



Supplying HVACR solutions with your needs in mind.

FULL PRODUCT CATALOG

2015

“Doing business with Packard provides us with a great assortment of dependable products and

PEOPLE

who are willing to go above and beyond by supporting us with training, technical support information and superb account management.”

- National HVAC Distributor

SERVICE | SELECTION | SATISFACTION

TITANFLEX
TITANFLEX
2.5 (3) - 67.5 CAPACITANCE RANGE
440/370 DUAL VOLTAGE
50/60HZ
TEMPERATURE: 70°C MAX
1000 AFC



“ Packard is far more than just another supplier to us. They are our **partner**. The repair parts business is an important growth strategy for us. Expanding our **breadth** of Packard products has allowed us to offer more service to our customers. From reliable products, **great inventory, excellent marketing** and training classes for our customers. Packard has helped Thermal Supply increase our **sales volume, profitability** and the value we provide to our customers. ”

- Dave Thomas, Director - HVAC Parts & Accessories

SERVICE IS AT THE CORE OF EVERYTHING WE DO. WELCOME TO PACKARD.


Supplying HVACR solutions with your needs in mind.



A Note from Susan Kirkland, President

I want to take this opportunity to let you know how important you are to me and to Packard. As I begin my 30th year with Packard I have more love every day for this industry because of the wonderful people that define our market. The culture we have developed at Packard is built entirely around the passion we have for serving others. Everything we strive for has to do with serving you and your businesses.

I believe that the most important reason our customer's choose to partner with Packard is our commitment to the highest level of service in the industry. That starts with our people, our team members. Ensuring that all Packard team members have "Packard DNA" is the most important element in assuring that you will receive the highest level of service. The key ingredient in "Packard DNA" is Passion. Every Packard team member is passionate about what they contribute and they are committed to go above and beyond to make sure your experience exceeds your expectation. We have been blessed to hire some of the best talent in the industry. They are passionate about serving you.

Our commitment to you goes well beyond shipping your order. We offer NATE certified training, technical and marketing support, and regional market analysis to help strengthen your business. We have also developed an OEM cross reference over the last 56 years that we make available on our website and through our inside customer support center. All of these areas have proven to improve profitability for your business. We are committed to you long after the order ships.

As we enter our 56th year in this industry our product selection continues to expand to meet your needs. We continue to add new products based on your recommendations. We source product globally to ensure that we keep you competitive and we are selective with our product offering to ensure that the quality of the product exceeds your expectations. We strive to make your purchasing decisions easy by allowing you one place to purchase all your Heating, Air Conditioning and Refrigeration replacement parts.

Please do not take our word for it, let us prove to you that we are the best solution for your purchasing needs. We are more than a master distributor, more than a supplier, we are committed to being your partner in growing your business.

To all of you who chose Packard, thank you so much for your trust. Your continued commitment to Packard is humbling and we will continue to strive to earn your business every day. We look forward to serving you in 2015 and beyond.

Susan Kirkland
President

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CHECKMATE

Claiming victory is easy when you ignore the facts. But, when you check out the truth about X13 replacement motors, it's easy to see which motor comes out ahead – the Evergreen® EM.

- ✓ Quick installation time
- ✓ Less risk of a customer call back
- ✓ No complex wiring
- ✓ Wholesaler availability
- ✓ Designed by OEM motor experts
- ✓ Multi-year warranty from install date
- ✓ **Pre-Programmed at the factory**
- ✓ **Contractor friendly**
- ✓ **25 Years of ECM motor experience**

For a complete look at what makes
Evergreen the true winner, check out
EvergreenTruth.com



C-Frame Motors



Applications

Evaporators, refrigerators, range hoods, ventilators, exhaust fans and unit heaters

Features

- Shaded pole
- Sleeve bearings
- Stud mounting
- Rotation is determined by viewing the shaft end
- Direct Replacements for Nutone, Gemline, and Bohn

Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Hertz	Replaces	Notes
Packard										
65100	1/2	120	3000	0.60	1	CCW	7/32 x 1 5/8	60	Gemline EM550 Nutone C65878 Robertshaw VFM100	105 485
65100M	1/2	120	3000	0.60	1	CCW	7/32 x 1 5/8	60	Nutone C658878 Motor Only	464 485
82423K	1/2	120	2650	0.60	1	CW	7/32 x 1 1/2	60	Nutone 89423-000	106 485
65249	1/2	120	3000	0.45	1	CW	1/8 x 2 1/2	60	Gemline EM241 Gemline EM242 Gemline EM244 Gemline EM245 Gemline EM247 Gemline EM248 Gemline EM249	
65106	5/8	115	3000	0.70	1	CCW	7/32 x 2 3/8	60	Gemline EM555 Nutone C68627	485
65112	5/8	120	3000	0.76	1	CCW	7/32 x 1 3/4	60		104 105 485
65514	5/8	120	3000	0.44	1	CW	3/16 x 3/4	60	Delfield 1175-10-4439	
65691	5/8	120	3000	0.64	1	CW	0.181 x 1 5/16	60	BOHN 5007S Bohn 5018S Bohn 5036F Gemline EM691 UPPCO 85	354 472 474
65692	5/8	240	3000	0.32	1	CW	0.181 x 1 5/16	60	BOHN 5007T Bohn 5018T Bohn 5036G Gemline EM692 UPPCO 86	354 472 474
65709	5/8	120	3000	0.80	1	CCW	7/32 x 2 1/4	60	Nutone C53709	108 485
67154	3/4	120	3000	0.55	1	CCW	1/4 x 5/8	60	Russell Coil 102249-005	
65894K	3/4	120	3000	0.90	1	CCW	7/32 x 2 3/8	60	Nutone 82229 Nutone K5894	106 485
65104	3/4	120	3000	0.74	1	CCW	7/32 x 1 3/4	60	Gemline EM553 Nutone C66582	107
65105	7/8	120	3000	0.88	2	CCW	7/32 x 1 7/16	60	Gemline EM554 Nutone C27987	110
65101	7/8	120	3000	0.86	2	CW	7/32 x 1 5/16	60	Gemline EM551 Nutone C52367 Robertshaw VFM101	110
65103	7/8	120	3000	0.71	1	CCW	7/32 x 1 3/16	60	Gemline EM552 Nutone C63675	485
65272	1	120	3000	1.00	1	CCW	7/32 x 1 1/2	60	Nutone C23272	485

Notes:

104. Same as 65100 except mounting screws are on the shaft end
 105. Includes A65100FB impeller
 106. Assembled with bracket as illustrated

107. Has eyelet terminals on leads

108. Has a one shot overload
 110. Includes two speed plug
 354. Impedence protected

464. Same as 65100 except motor only

472. Includes stand offs for other Bohn applications
 474. Used in Bohn commercial evaporators
 485. Includes two prong plug

C -Frame Utility Fan Motors And Kits



65670



65690



65672
65673



65675



65686



65687
65688



65345

Applications

Evaporators, refrigerators, range hoods, ventilators, exhaust fans and unit heaters

Features

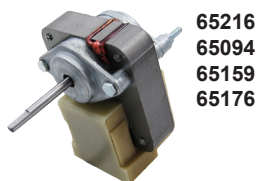
- Shaded pole
- 60 Hertz
- Rotation is determined by viewing the shaft end
- Mechanically reversible

Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dim. (In.)	Type	Bearings	Replaces	Notes
Packard - Sleeve Bearings											
65670	5/8	115	3000	0.50	1	CW	3/16 x 1 5/16	SP	Sleeve	Acme 600 Acme 700 Acme 710 Gemline EM670 Robertshaw 14001	
65690	5/8	120	3000	0.50	1	CW	3/16 x 1 3/8	SP	Sleeve	Gemline EM690	98
65672	5/8	240	3000	0.18	1	CCWSE	3/16 x 1 5/16	SP	Sleeve	Acme 602 Acme 702 Gemline EM672 Robertshaw 14005	
65673	5/8	115	3000/1550	0.60/0.40	2	CW	3/16 x 1 3/8	SP	Sleeve	Gemline EM673 Robertshaw 14007	
65675	1	120/240	3000	0.80/0.40	1	CW	3/16 x 2 3/16	SP	Sleeve	Acme 7502 Gemline EM675	
Packard - Ball Bearings											
65686	5/8	120	3000	0.41	1	CW	3/16 x 1 1/4	SP	Ball	Acme BB700 Gemline EM686	
65687	1 1/8	120/240	3000	0.66/0.32	1	CW	3/16 x 2 3/8	SP	Ball	Acme BB7502 Gemline EM687	
65688	1 1/8	120	3000	0.43	1	CW	3/16 x 1 5/8	SP	Ball	Acme BB750 Gemline EM688	
NEW 65345	1 3/8	120	3000	1.30	1	CCW	5/16 x 2 3/8	SP	Ball	Nutone 62345	

Notes:

98. Same as 65670 except studs exit on the shaft end. Includes 5.5" fan blade only

Direct C-Frame Replacements For Broan



65216
65094
65159
65176



65366

Features

- Shaded Pole
- Sleeve Bearing
- Automatic Overload
- Rotation is determined by viewing the shaft end

Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Hertz	Replaces	Notes
Packard										
65216	5/8	120	3000	0.51	1	CCW	0.181 x 1 1/2	60	Broan 99080090 Broan 99080216	485 491
65366	5/8	120	3000	0.50	2	CCW	0.185 splined x 1 1/4	60	Broan 99080365	110 491
65094	7/8	120	3000	0.75	1	CCW	7/32 x 1 1/4	60	Broan 99080094 Broan 99080099 Broan 99080166	485 491
65159	7/8	120	3000	0.71	1	CCW	1/4 x 2 3/4	60	Broan 99080159	485 491
65176	1 1/8	120	3000	1.00	1	CW	7/32 x 1 1/2	60	Broan 99080176	485 491

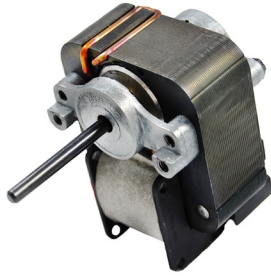
Notes:

110. Includes Two Speed Plug

485. Includes two prong plug

491. Has a flatted shaft

C-Frame Utility Fan Motors



Applications

Evaporators, refrigerators, range hoods, ventilators, exhaust fans and unit heaters

Features

- Shaded Pole, 60 Hertz
- Mechanically reversible
- Rotation is determined by viewing the shaft end

Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	Replaces	Notes
Packard											
65210	3/8	120	3000	0.31	1	CW	0.181 x 1	SP	Sleeve		
65426	3/8	240	3000	0.17	1	CW	0.181 x 1	SP	Sleeve		
65455	1/2	120	3000	0.35	1	CW	7/32 x 1	SP	Sleeve	Kitchen Aid 240332-1 Kitchen Aid 4162472	
65533	1/2	120	3000	0.22	1	CW	Splined (3/16 Diameter)	SP	Sleeve	Choice Vending 863243	
65693	1/2	120	3000	0.32	1	CW	0.181 x 1	SP	Sleeve		
65280	1/2	240	3000	0.32	1	CW	3/16 x 1	SP	Sleeve		
65671	5/8	115	3000	0.50	1	CW	3/16 x 1 1/4	SP	Sleeve	Gemline EM671 Robertshaw 14003	
65679	5/8	120	3000	0.50	1	CW	7/32 x 1 1/2	SP	Sleeve	Gemline EM679 Robertshaw 14017	
65681	5/8	120	3000/1550	0.55/0.34	2	CW	3/16 x 1 3/8	SP	Sleeve	Gemline EM681 Robertshaw 14021	
65102	5/8	120	3000	0.40	1	CW	7/32 x 2 1/4	SP	Sleeve		
65694	5/8	120	3000	0.45	1	CW	0.181 x 1	SP	Sleeve		
65467	7/8	120	3000/1550	1.00/0.60	2	CW	7/32 x 2 3/8	SP	Sleeve		103
65427	7/8	220-240	3000	0.28	1	CW	3/16 x 1	SP	Sleeve		
65283	7/8	120	3000/1550	0.76	2	CW	3/16 x 1	SP	Sleeve		
65685	1	120	3000/1550	0.90	2	CW	3/16 x 1 5/8	SP	Sleeve	GE WB26X45 Gemline EM685	
65682	1	120	3000/1500	0.60/0.36	2	CW	3/16 x 1 1/2	SP	Sleeve	Gemline EM682	
65683	1	240	3000	0.25	1	CW	3/16 x 1 1/4	SP	Sleeve	Gemline EM683	
65680	1 1/8	120	3000	0.90	1	CW	3/16 x 1 1/2	SP	Sleeve	Acme 750 Gemline EM680 Robertshaw 14019	
65468	1 3/8	120	3000/1550	1.25	2	CW	7/32 x 2 3/8	SP	Sleeve		
65428	1 1/2	220-240	3000	0.55	1	CW	1/4 x 1	SP	Sleeve		

Notes:

103. 2 speed plug for Nutone applications

C-Frame Utility Ventilator Fan Motor

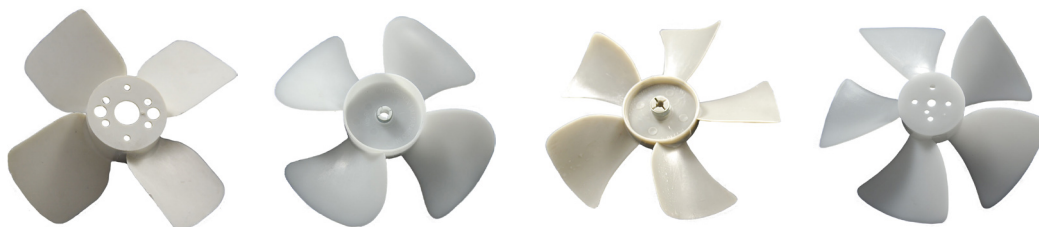


Features

- 60 Hertz
- Rotation is determined by viewing the shaft end
- Has extended studs at 1 7/8" center, two 5/32" mounting holes on each side of stack on 1 7/8" center and includes two prong plug
- Mechanically reversible

Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	Enclosure
Packard										
60100	5/8	115	2750	0.71	1	CW	3/16 x 1 1/8	SP	Sleeve	Open

Plastic Fan Blades



Item ID	Diameter (In.)	Number of Blades	Rotation	Bore (In.)	Replaces Notes
Packard					
A61299	2 1/2	4	CW	3/16	
A61300	3	4	CW	1/8	
A61301	3	4	CW	3/16	
A61302	3 1/2	4	CCW	3/16	
A61353	4	4	CCW	Hub	
A61406	4	4	CW	1/8	
A61408	4	4	CW	3/16	
A61550	5 1/2	4	CCW	3/16	
A61551	5 1/2	4	CW	3/16	
A61602	6	4	CW	1/4	
A61603	6	4	CW	5/16	
A61604	6	4	CCW	3/16	
A61605	6	4	CCW	1/4	
A61606	6	4	CCW	5/16	
A61401	4	5	CW	1/8	
A61402	4	5	CW	3/16	
A61403	4	5	CCW	1/8	
A61404	4	5	CCW	3/16	
A61501	5	5	CW	3/16	
A61502	5	5	CW	1/4	
A61503	5	5	CW	5/16	
A61504	5	5	CCW	3/16	
A61505	5	5	CCW	1/4	
A61506	5	5	CCW	5/16	
A61455	5 9/16	5	CCW	3/16	
A61650	6 1/2	5	CW	3/16	
A61651	6 1/2	5	CW	1/4	
A61652	6 1/2	5	CW	5/16	
A61660	6 5/8	5	CW	7/32	D-STYLE BORE
A61665	6 5/8	5	CW	7/32	D-STYLE BORE
A61701	7	5	CW	1/4	
A61703	7	5	CCW	1/4	
A61718	7	5	CW	Hub	Gemline FB718
A61801	8	5	CW	1/4	
A61802	8	5	CW	5/16	
A61601	6	6	CW	3/16	

Applications

For use with unit bearing and C-Frame Motors

For full line of fan blade products, see page 201-211

Plastic Blower Wheels And Impellers

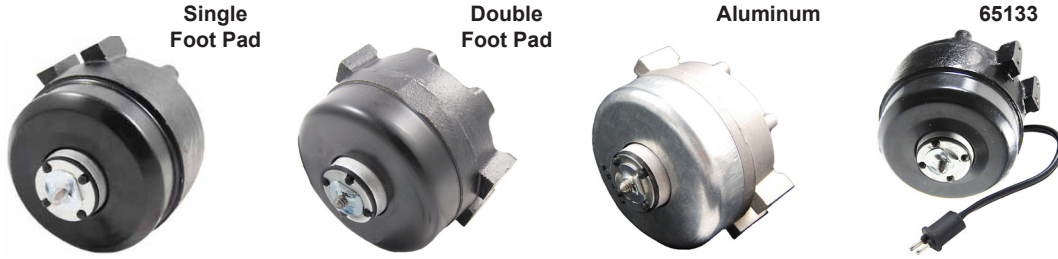


A65900



A65100FB
A65216FB
A64031FB

Item ID	Bore (In.)	Diameter (In.)	Width (In.)	Bore	Replaces
Packard					
A65900	1/4	5 3/4	2	D Shape	Nutone 59000A000
A65100FB	7/32	4 9/16	—	D Shape	Nutone 68920
A65216FB	3/16	4 1/2	—	D Shape	
A64031FB	0.181	4 1/2	—	Round	



Features

- Rotation is determined by viewing the lead (opposite shaft) end
- Totally enclosed



Packard Unit Bearing Motors - Cast Iron 2-16 Watts - Single Foot Pad

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Enclosure	Hertz	Mounting	Replaces
Packard											
61021	2	115	1550	0.22	CW	1/4 x 1/2	2 1/4	Totally Enclosed	50/60	No Foot Pad	GE 5109
65111	2.5	115	1000	0.26	CW	1/4 x 1/2	2 1/4	Totally Enclosed	50/60	Single Foot Pad	GE 5111
65211	4	115	1550	0.29	CW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Single Foot Pad	GE 5211
65212	4	115	1550	0.29	CCW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Single Foot Pad	GE 5212
65311	6	115	1550	0.40	CW	1/4 x 1/2	2 7/8	Totally Enclosed	50/60	Single Foot Pad	GE 5311
65312	6	115	1550	0.40	CCW	1/4 x 1/2	2 7/8	Totally Enclosed	50/60	Single Foot Pad	GE 5312
65411	9	115	1550	0.55	CW	1/4 x 1/2	2 7/8	Totally Enclosed	50/60	Single Foot Pad	GE 5411
65412	9	115	1550	0.55	CCW	1/4 x 1/2	2 7/8	Totally Enclosed	50/60	Single Foot Pad	GE 5412
65421	9	230	1550	0.27	CW	1/4 x 1/2	2 7/8	Totally Enclosed	50/60	Single Foot Pad	GE 5421
65422	9	230	1550	0.27	CCW	1/4 x 1/2	2 3/4	Totally Enclosed	50/60	Single Foot Pad	GE 5422
65811	16	115	1550	1.00	CW	1/4 x 1/2	3 1/4	Totally Enclosed	50/60	Single Foot Pad	GE 5811
65812	16	115	1550	1.00	CCW	1/4 x 1/2	3 1/4	Totally Enclosed	50/60	Single Foot Pad	GE 5812
65821	16	230	1550	0.50	CW	1/4 x 1/2	3 1/4	Totally Enclosed	50/60	Single Foot Pad	GE 5821
65822	16	230	1550	0.50	CCW	1/4 x 1/2	3 1/4	Totally Enclosed	50/60	Single Foot Pad	GE 5822

Packard Unit Bearing Motors - Cast Iron 2-16 Watts - Double Foot Pads

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Enclosure	Hertz	Mounting
Packard										
61002	2	115	1550	0.22	CW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Double Foot Pads
61004	4	115	1550	0.29	CW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Double Foot Pads
61006	6	115	1550	0.40	CW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Double Foot Pads
61029	9	230	1550	0.27	CW	1/4 x 1/2	2 1/2	Totally Enclosed	50/60	Double Foot Pads
61009	9	115	1550	0.55	CW	1/4 x 1/2	2 1/2	Totally Enclosed	50/60	Double Foot Pads
61099	9	115	1550	0.55	CCW	1/4 x 1/2	2 1/2	Totally Enclosed	50/60	Double Foot Pads
61059	9	230	1550	0.29	CCW	1/4 x 1/2	2 1/2	Totally Enclosed	50/60	Double Foot Pads
61015	16	115	1550	1.00	CW	1/4 x 1/2	3 1/32	Totally Enclosed	50/60	Double Foot Pads
61016	16	115	1550	1.00	CCW	1/4 x 1/2	3 1/32	Totally Enclosed	50/60	Double Foot Pads
61017	16	230	1550	0.50	CW	1/4 x 1/2	3 1/32	Totally Enclosed	50/60	Double Foot Pads
61018	16	230	1550	0.50	CCW	1/4 x 1/2	3 1/32	Totally Enclosed	50/60	Double Foot Pads

Direct Replacement Unit Bearing Motors

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Material	Hertz	Mounting	Replaces	Notes
Packard												
65119	5	115	1550	0.34	CW	1/4 x 1/2	2 3/8	Cast Iron	50/60	Double Foot Pads	Hill PP7577M	87 551
65018	5	115	1550	0.34	CW	1/4 x 1/2	2 1/2	Cast Iron	50/60	Single Foot Pad	GE 5KSM81FFL18	550 551
65017	9	115	1550	0.55	CW	1/4 x 1/2	2 3/4	Cast Iron	50/60	Single Foot Pad	GE 5KSM81FFL17	550 551
65133	9	115	1550	0.50	CW	1/4 x 1/2	2 1/2	Cast Iron	50/60	Single Foot Pad	GE 5KSM51ECG5133 Hussmann 58698	87 551
Morrill Motors												
10101	9	115	1550	0.53	CW	1/4 x 1/2	2 1/2	Aluminum	60	No Foot Pad	Kyser Warren 5991	530
10019	9	115	1550	0.53	CW	1/4 x 1/2	2 3/8	Aluminum	60	Double Foot Pads	Morrill Motors SPB9HUEM1	

Notes:

87. Includes straight Lyall plug

530. No foot pad

550. Includes 90 degree Lyall plug

551. Low temp. oil

Packard Unit Bearing Motors - Aluminum 2-16 Watts - Single Foot Pad



Features

- Rotation is determined by viewing the lead (opposite shaft) end
- Totally enclosed
- 50/60 Hertz



See page 211 for a full line of hubless fan blades.

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dim. (In.)	Length Less Shaft (In.)	Enclosure	Hertz	Mounting	Replaces	Notes
Packard												
65109	2	115	1550	0.22	CW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	No Foot Pad	GE 5109	530
65213	4	115	1550	0.29	CW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Single Foot Pad	GE 5213	
65214	4	115	1550	0.29	CCW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Single Foot Pad	GE 5214	
64022	5	115	1550	0.34	CW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	No Foot Pad	Emerson 119	87
65313	6	115	1550	0.40	CW	1/4 x 1/2	2 7/8	Totally Enclosed	50/60	Single Foot Pad	GE 5313	
65413	9	115	1550	0.50	CW	1/4 x 1/2	2 7/8	Totally Enclosed	50/60	Single Foot Pad	GE 5413	
65813	16	115	1550	1.0	CW	1/4 x 1/2	3 3/16	Totally Enclosed	50/60	Single Foot Pad		

Notes:

87. Includes straight Lyall plug
530. No foot pad

Packard Unit Bearing Motors - Aluminum 2-9 Watts - Double Foot Pads



Features

- Rotation is determined by viewing the lead (opposite shaft) end
- Totally enclosed
- 50/60 Hertz



Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dim. (In.)	Length Less Shaft (In.)	Enclosure	Hertz	Mounting	Replaces	Notes
Packard												
64102	2	115	1550	0.25	CW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Double Foot Pads	Emerson 102	
64103	4	115	1550	0.29	CCW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Double Foot Pads	Emerson 103	
64117	6	115	1550	0.40	CW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Double Foot Pads	Emerson 117	
64277	6	277	1550	0.17	CW	1/4 x 1/2	2 1/2	Totally Enclosed	50/60	Double Foot Pads		557
64108	9	115	1550	0.50	CW	1/4 x 1/2	2 1/2	Totally Enclosed	50/60	Double Foot Pads	Emerson 108	
64110	9	230	1550	0.27	CW	1/4 x 1/2	2 1/2	Totally Enclosed	50/60	Double Foot Pads	Emerson 110	

Notes:

557. 5 mounting holes opposite the shaft end

Unit Bearing Motor Mounting Brackets



Item ID	Shaft Height (In.)
Packard	
A11601	4 1/8
A11602	4 9/16
A11603	5 3/8
A11605	6 1/4



Item ID	Brand
A68004	Packard



Cast Iron



Aluminum



10101



Features

- Rotation is determined by viewing the lead (opposite shaft) end
- Totally enclosed
- 60 Hertz
- Made in USA



Morrill Unit Bearing Motors - Cast Iron 2-16 Watts

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Mounting	Replaces	Notes
Morrill Motors											
10002	2	115	1550	0.22	CW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB2EM1	
10004	4	115	1550	0.29	CW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB4EM1 GE 5211	
10044	4	115	1550	0.29	CCW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB4EMR1	
10024	4	230	1550	0.14	CW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB4EM2 GE 5221	
10054	4	230	1550	0.14	CCW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB4EMR2 GE 5222	
10005	5	115	1550	0.34	CW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB5EM1	
10287	5	115	1550	0.34	CW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors PB5SEV11 Hill PP7577M	551
10026	5	115	1550	0.15	CW	1/4 x 1/2	2 3/8	PSC	No Foot Pad	Hill PO39537FM0	94 530 531 551
10006	6	115	1550	0.36	CW	1/4 x 1/2	2 1/2	SP	Double Foot Pads	Morrill Motors SPB6EM1 GE 5311	
10066	6	115	1550	0.36	CCW	1/4 x 1/2	2 1/2	SP	Double Foot Pads	Morrill Motors SPB6EMR1	
10009	9	115	1550	0.53	CW	1/4 x 1/2	2 1/2	SP	Double Foot Pads	Morrill Motors SPB9EM1 GE 5411	
10099	9	115	1550	0.53	CCW	1/4 x 1/2	2 1/2	SP	Double Foot Pads	Morrill Motors SPB9EMR1	
10029	9	230	1550	0.27	CW	1/4 x 1/2	2 1/2	SP	Double Foot Pads	Morrill Motors SPB9EM2 GE 5421	
10059	9	230	1550	0.27	CCW	1/4 x 1/2	2 1/2	SP	Double Foot Pads	Morrill Motors SPB9EMR2 GE 5422	
10025	9	115	1550	0.23	CW	1/4 x 1/2	2 1/2	PSC	No Foot Pad	Hill PO41662HMO	95 530 531 551
10015	16	115	1550	0.80	CW	1/4 x 1/2	3 1/32	SP	Double Foot Pads	Morrill Motors SPBEP16EM1 GE 5811	
10017	16	115	1550	0.80	CCW	1/4 x 1/2	3 1/32	SP	Double Foot Pads	Morrill Motors SPBEP16EMR1 GE 5812	
10016	16	230	1550	0.40	CW	1/4 x 1/2	3 1/32	SP	Double Foot Pads	Morrill Motors SPBEP16EM2 GE 5821	
10018	16	230	1550	0.40	CCW	1/4 x 1/2	3 1/32	SP	Double Foot Pads	Morrill Motors SPBEP16EMR2 GE 5822	

Morrill Unit Bearing Motors - Aluminum 2-14 Watts

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Mounting	Replaces	Notes
Morrill Motors											
13002	2	115	1550	0.22	CW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB2HUEM1	
13005	5	115	1550	0.34	CW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB5HUEM1	
13055	5	115	1550	0.34	CCW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB5HUEMR2	
13006	6	115	1550	0.50	CW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB6HUEM1	
10101	9	115	1550	0.53	CW	1/4 x 1/2	2 1/2	SP	No Foot Pad	Hussmann SPB9HUBGV101	87 530
10019	9	115	1550	0.53	CW	1/4 x 1/2	2 3/8	SP	No Foot Pad	Kyser Warren 5991	530
13009	9	115	1550	0.58	CW	1/4 x 1/2	2 1/2	SP	Double Foot Pads	Morrill Motors SPB9HUEM1	
13029	9	230	1550	0.29	CW	1/4 x 1/2	2 1/2	SP	Double Foot Pads	Morrill Motors SPB9HUEM2	
13014	14	115	1550	0.66	CW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB14HUEM1	
13124	14	230	1550	0.33	CW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB14HUEM2	

Notes:
 87. Includes LYALL Plug
 94. Capacitor furnished
 95. PSC Motor With Cap Included and Has 4 Drilled and Tapped Holes for Hill Refr Mounting
 530. No Foot Pad
 531. Rear hole mounting only
 551. Low temp. oil

Direct Replacements For Oasis, Tyler, and Hussman



10037
10038
61104



61103

Features

- Totally enclosed
- 60 Hertz
- 50/60 Hertz
- Rotation is determined by viewing the lead (opposite shaft) end

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Mounting	Replaces
Packard										
10037	5	115	1550	0.34	CWLE	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Oasis 027354-026 Oasis 027354-037
10038	9	115	1550	0.53	CWLE	1/4 x 1/2	2 1/2	SP	Double Foot Pads	Oasis 027354-038
61103	12	115	1550	0.62	CWLE	1/4 x 1/2	2 11/16	50/60	No Foot Pad	Hussmann 0047000 Hussmann 441-103 Hussmann 0440421 Hussmann 125-01-0615A LRC Coil 1602
61104	12	115	1550	0.62	CWLE	1/4 x 1/2	2 11/16	50/60	Double Foot Pads	Hussmann 4410311 Trane MOT13205

Packard Unit Bearing Motors - Cast Iron 25-50 Watts



65001 65020
65002 65021
65003 65022
65004 65023



65040
65041
65042
65043



65045

Features

- Double foot pad
- 50/60 Hertz
- Rotation is determined by viewing the lead (opposite shaft) end



Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Enclosure	Replaces
Packard									
65001	25	115	1500	1.10	CW	1/4 x 1/2	3 3/8	Totally Enclosed	GE 3251 002412283
65003	25	115	1500	1.10	CCW	1/4 x 1/2	3 3/8	Totally Enclosed	GE 3252
65002	25	230	1500	0.55	CW	1/4 x 1/2	3 3/8	Totally Enclosed	GE 3253
65004	25	230	1500	0.55	CCW	1/4 x 1/2	3 3/8	Totally Enclosed	GE 3254
65020	35	115	1500	1.40	CW	1/4 x 1/2	3 3/8	Totally Enclosed	GE 3351 810M035A29
65022	35	115	1500	1.40	CCW	1/4 x 1/2	3 3/8	Totally Enclosed	GE 3352
65021	35	230	1500	0.70	CW	1/4 x 1/2	3 3/8	Totally Enclosed	GE 3353 810M035A21
65023	35	230	1500	0.70	CCW	1/4 x 1/2	3 3/8	Totally Enclosed	GE 3354
65040	50	115	1500	1.70	CW	3/8 x 1 1/2	3 5/8	Semi Enclosed	GE 3501 050-0244-00
65042	50	115	1500	1.70	CCW	3/8 x 1 1/2	3 5/8	Semi Enclosed	GE 3502
65041	50	230	1500	0.85	CW	3/8 x 1 1/2	3 5/8	Semi Enclosed	GE 3503 050-0244-00
65043	50	230	1500	0.85	CCW	3/8 x 1 1/2	3 5/8	Semi Enclosed	GE 3504
65045	50	230	1500	0.85	CCW	5/16 x 2 1/2	3 3/4	Open	GE 3507 810M050A62

Packard Unit Bearing Motor Plugs



90 Degree Plug And Cord

Item ID	Length (In.)
PLUG018	25

UL Recognized



See page 230



Straight Plug And Cord

Item ID	Length (In.)
PLUG119	25

UL Recognized



Electric Motors And Specialties Unit Bearing Motors - 15-75 Watts



15009



15020 15003
15021 15004
15022 15005
15023 15006
15001 15007
15002 15008



15040 15046
15041 15049
15042 15460
15043 15075
15044 15461



15010



15045
15461



15050



15051

Features

- Double foot pad mounting
- Mounting hardware included
- Rotation is determined by viewing the lead (opposite shaft) end
- UL and CSA approved
- Cast iron
- Shaded pole
- Made in USA

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Enclosure	Hertz	Replaces	Notes
Electric Motor and Specialties											
15009	15	115	1500	0.6	CCW	5/16 x 7 1/2	3 1/8	Semi Enclosed	60	ESPL15EMJR11	
15005	16	115	1500	1.1	CW	1/4 x 1/2	3 3/8	Totally Enclosed	60	ESPL16EM1	
15006	16	230	1500	0.6	CW	1/4 x 1/2	3 3/8	Totally Enclosed	60	ESPL16EM2	
15007	16	115	1500	1.1	CCW	1/4 x 1/2	3 3/8	Totally Enclosed	60	ESPL16EMR1	
15008	16	230	1500	0.6	CCW	1/4 x 1/2	3 3/8	Totally Enclosed	60	ESPL16EMR2	
15001	25	115	1500	1.1	CW	1/4 x 1/2	3 3/8	Totally Enclosed	60	GE 3251 ESPL25EM1	
15002	25	230	1500	0.6	CW	1/4 x 1/2	3 3/8	Totally Enclosed	60	GE 3253 ESPL25EM2	
15003	25	115	1500	1.1	CCW	1/4 x 1/2	3 3/8	Totally Enclosed	60	GE 3352 ESPL25EMR1	
15004	25	230	1500	0.6	CCW	1/4 x 1/2	3 3/8	Totally Enclosed	60	ESPL25EMR2	
15010	25	115	1500	1.1	CCW	5/16 x 3 1/2	3 1/16	Totally Enclosed	60	ESPL25ERD1	
15020	35	115	1500	1.40	CW	1/4 x 1/2	3 3/8	Totally Enclosed	60	Tecumseh 810M035A29 EMS ESPL35EM1	479
15022	35	115	1500	1.40	CCW	1/4 x 1/2	3 3/8	Totally Enclosed	60	EMS ESPL35EMR1	
15021	35	230	1500	0.70	CW	1/4 x 1/2	3 3/8	Totally Enclosed	60	Tecumseh 810M035A21 Tecumseh 810M035A28 EMS ESPL35EM2	479
15023	35	230	1500	0.70	CCW	1/4 x 1/2	3 3/8	Totally Enclosed	60	EMS ESPL35EMR2	
15040	50	115	1500	1.70	CW	3/8 x 1 1/2	3 5/8	Open	60	Copeland 050-0244-01 EMS ESPOL50EM1	96
15041	50	230	1500	0.85	CW	3/8 x 1 1/2	3 5/8	Open	60	Copeland 050-0244-00 EMS ESPOL50EM2	96
15045	50	230	1500	0.85	CCW	5/16 x 2 1/2	3 3/4	Open	60	Tecumseh 810M050A62 EMS ESPOL50EMJR21	479
15049	50	208-230	1500	0.85	CW	3/8 x 1 1/2	3 3/4	Open	50/60	Copeland 050-0244-00 EMS ESPOL50EM26	96 97
15460	50	460	1500	0.44	CW	3/8 x 1 1/2	3 5/8	Open	60	Copeland 050-0244-02 EMS ESPOL50EM461	96
15461	50	460	1500	0.44	CCW	5/16 x 2	3 5/8	Open	60	Copeland 050-0264-03 ESPOL50EMJR41	
15042	50	115	1500	1.7	CCW	3/8 x 1 1/2	3 5/8	Open	60	ESPOL50EMR1	
15043	50	230	1500	0.85	CCW	3/8 x 1 1/2	3 5/8	Open	60	ESPOL50EMR2	
15044	50	230	1500	0.85	CW	5/16 x 1 1/2	3 5/8	Open	60	ESPOL50EM2B	
15046	50	208-230	1500	1.20	CW	3/8 x 1 1/2	3 5/8	Open	60	ESPOL60EM2	97
NEW 15050	50	115	1500	1.70	CW	5/16 x 3	3 7/8	Open	60	ESPOL50EM1B1 IMI Cornelius 134350000	
NEW 15051	50	115	1500	1.70	CW	3/8 x 1 1/2	3 3/4	Open	60	Copeland 998-1008-00	
15075	75	208-230	1500	1.50	CW	3/8 x 1 1/2	3 5/8	Open	60	EMS ESPOL75EM2	97

Notes:

96. Copeland replacement

97. May be used on 208 Volt applications

479. Tecumseh replacement

Direct Replacements For General Electric 11 Frame



Features

- All angle unit bearings
- 60 Hertz
- Automatic overload
- 2.25 inch resilient rings
- Single speed / single phase
- Stud and resilient mounting
- 4 Holes #8-32 UNF-2B on 2.84" bolt circle

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Enclosure	Replaces
Packard											
61431	35 MHP	115	1550	1.70	CWOLE	5/16 x 1 1/4	4.82	Shaded Pole	Sleeve	Open	GE1431
61441	35 MHP	115	1550	1.70	CCWOLE	5/16 x 1 1/4	4.82	Shaded Pole	Sleeve	Open	GE1441
61442	35 MHP	208-230	1550	0.87	CCWOLE	5/16 x 1 1/4	4.82	Shaded Pole	Sleeve	Open	GE1442
61432	1/30	208-230	1550	0.87	CWOLE	5/16 x 1 1/4	4.82	Shaded Pole	Sleeve	Open	GE1432
41336	1/20	230	1550	1.10	CCWLE	5/16 x 1 5/8	4.25	Shaded Pole	Sleeve	Totally Enclosed	GE 1336
61331	1/20	115	1550	2.20	CWLE	5/16 x 2	4.82	Shaded Pole	Sleeve	Open	GE 1331
61332	1/20	208-230	1550	1.10	CWLE	5/16 x 2	4.82	Shaded Pole	Sleeve	Open	GE 1332
61232	1/15	208-230	1550	0.93	CWOLE	5/16 x 2	4.90	Shaded Pole	Sleeve	Open	GE 1232



Features

- Shaded pole
- Sleeve and ball bearing
- Open enclosure
- 60 Hertz
- Automatic overload
- Bolt circle 2.84"

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dim. (In.)	Length Less Shaft (In.)	Bearings	Enclosure	Replaces	Notes
Fasco											
D477	1/35	208-230	1550	0.75	CCW	5/16 x 1 5/8	4 1/4	Sleeve	Open	GE 1432	40 43 44 46
D471	1/20	208-230	1550	1.10	CCW	5/16 x 2 1/2	4 1/4	Sleeve	Open	GE 1332	47
NEW D417	1/20	208-230	1550	1.10	CCW	5/16 x 2 1/2	4 1/4	Ball	Open	GE 1332	47
D473	1/20	115	1550	2.00	CCW	5/16 x 2 5/8	4 1/4	Sleeve	Open	GE 1331	47
D472	1/20	115	1550	1.90	CW	5/16 x 2 5/8	4 1/4	Sleeve	Open	GE 1341	47
D470	1/20	208-230	1550	0.94	CW	5/16 x 2 5/8	4 1/4	Sleeve	Open	GE 1342	47

Notes:

40. Mounting bracket designed to match the original motor (four 8-36 drilled and tapped holes)
43. Mounting hardware included

44. Has 22" leads with 1/16" thick insulation
46. Three studs opposite shaft end are 8-32 on a standard 2.84" bolt circle, 120" apart

47. Includes 1/2" studs for mounting



Features

- Shaded pole
- Stud mounting
- 60 Hertz
- Automatic overload
- Single phase
- Rotation is determined by viewing the shaft end; leads are on shaft end
- Bolt circle 2.84"

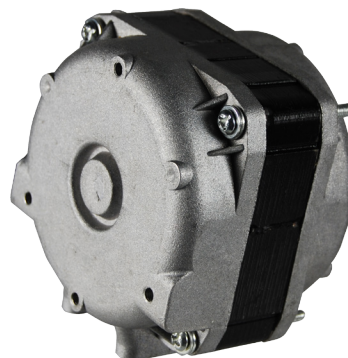
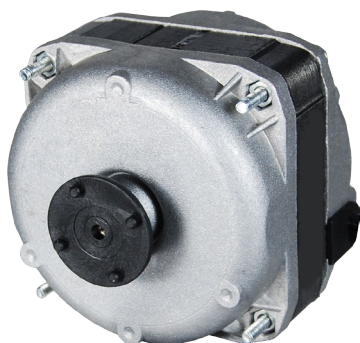
Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Enclosure	Replaces	Notes
Packard											
81671	1/15	115/230	1550	2.10-1.10	CCW	5/16 x 1 5/8	4 1/4	Ball	Totally Enclosed	GE 1331 GE 1332	486 487 488 489
81672	1/15	115/230	1550	2.10-1.10	CW	5/16 x 1 5/8	4 1/4	Ball	Totally Enclosed	GE 1341 GE 1342	486 487 488 489

Notes:

486. Drilled and tapped holes for mounting
487. Includes 1 7/8" diameter mounting rings

488. 8/32 mounting studs included
489. Rotation is determined by viewing the lead end

Square Frame Condenser Fan Motors



Applications

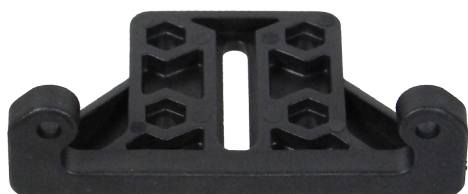
- Industrial and commercial refrigeration fans for condensing, ventilating and evaporator units, walk-in and reach-in coolers, freezers, food and beverage chillers.

Features

- All angle self-aligning sleeve bearings
- Totally Enclosed
- Continuous air over
- Class B insulation
- Standard operating temperatures: -40°F to + 104°F (-40°C to +40°C)
- UL listed, CSA approved
- Rear mount: 6 tapped holes #8-36 thread
- Foot mount: 4 holes, #8-36 thread

Item ID	Watts	Volts	RPM	Amps	Rotation	Protection
Packard						
PSQ4CW115	4	115	1550	0.36	CW Lead End	Impedance
PSQ5CW115	5	115	1550	0.40	CW Lead End	Thermal
PSQ6CW115	6	115	1550	0.41	CW Lead End	Impedance
PSQ9CW115	9	115	1550	0.58	CW Lead End	Thermal
PSQ9CW230	9	230	1550	0.35	CW Lead End	Thermal
PSQ18CW115	18	115	1550	1.00	CW Lead End	Thermal
PSQ18CW230	18	230	1550	0.50	CW Lead End	Thermal

Bracket Adapter Kit



Features

- This kit allows mounting “American style” ELCO motors (NU Series) on “European style” U-type or V-type brackets.
- See page 19 for bracket offering

Item ID	Contains
ELCO	
EUBKT01	Plastic Bracket
	M4x16 Screw (4 pcs.)
	Serrated M4 Hex nut (6 pcs.)

Packard 3.3 Inch Diameter Motors - Open Enclosure



Features

- Shaded pole
- Automatic overload
- Open enclosure
- 60 Hertz
- Single phase
- Rotation for single shaft motors is determined by viewing the shaft end

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Mounting	Replaces	Notes
Packard - Single Shaft												
82621	1/10	115	1550	3.80	1	CCW	5/16 x 1 1/2	3 5/8	Ball	Stud	Nutone 67176 Nutone 32997 UE 621	
40188	1/20	208-230	1550	0.80	1	CW	5/16 x 2 5/16	2 3/4	Sleeve	Stud	Emerson 9648 UE 396	329
40189	1/20	208-230	1550	0.80	1	CCW	5/16 x 2 5/16	2 3/4	Sleeve	Stud	Emerson 9647 UE 398	329
40132	1/20	115	1550	1.80	1	CW	5/16 x 2 1/4	2 3/4	Sleeve	Stud	Heatcraft/Bohn	329
40133	1/20	115	1550	1.80	1	CCW	5/16 x 2 1/4	2 3/4	Sleeve	Stud	Heatcraft/Bohn	329
40030	1/25	115	1550	1.70	1	CW	5/16 x 2 1/2	2 11/16	Sleeve	Stud	UE 30	
40031	1/25	115	1550	1.70	1	CCW	5/16 x 2 1/2	2 3/4	Sleeve	Stud	UE 31	
40514	1/30	115	1550	1.30	1	CW	5/16 x 2 3/8	2 1/2	Sleeve	Stud	Emerson 9628 UE 38	
40515	1/30	115	1550	1.30	1	CCW	5/16 x 2 3/8	2 1/2	Sleeve	Stud	UE 29	
82584	1/30	120	1550	1.3	1	CCW	5/16 x 1 7/8	2 1/2	Sleeve	Resilient Hubs	Broan 97008584	513
40126	1/40	115	1550	1.10	1	CW	5/16 x 2 1/4	2 7/16	Sleeve	Stud	UE 26	329
40127	1/40	115	1550	1.10	1	CCW	5/16 x 2 1/4	2 7/16	Sleeve	Stud	Trane MOT-6227	
40752	1/40	120	1500	1.30	1	CCW	1/4 x 1 1/2	2 1/8	Sleeve	Stud	Broan 97009752 Broan 99080096 Broan 99080345 UE 632	512 482
82036	1/40	115	3000	0.92	1	CW	1/4 x 2 1/2	3.06	Sleeve	Stud	UE 36	
Packard - Double Shaft												
82973	1/15	120	1600	2.6	1	CCWLE	2 1/2 x 5/16 x 2 1/2	3 1/2	Sleeve	Stud	Broan 99080359	
82011	1/30	115	3000	1.10	1	CWLE	1 1/2 x 1/4 x 1 1/2	2 7/8	Sleeve	Stud	UE 11	
82127	1/40	115	1550	1.10	3	CCWLE	2 1/2 x 1/4 x 2 1/2	2 1/2	Sleeve	Stud		
82128	1/40	115	1500	1.30	3	CCWLE	2 1/2 x 5/16 x 2 1/2	2 1/4	Sleeve	Stud		

Notes:

329. Motor has 4 studs on both ends
482. Two prong plug and cord attached

512. With cord and 2 prong 90 degree plug
513. Special plug and cord attached

Packard 3.3 Inch Diameter Motors - Open Enclosure



Features

- Shaded pole
- Automatic overload
- Open enclosure
- 60 Hertz
- Single phase
- Rotation is determined by viewing the shaft end

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Mounting	Replaces	Notes
Packard												
41107	1/20	115	1550	1.5	1	CCWLE	5/16 x 2 1/2	3	Sleeve	Stud	RMR 1107	431
44107	1/20	208-230	1550	1.1	1	CCWLE	5/16 x 2 1/2	3	Sleeve	Stud	RMR 4107	431
80391	1/20	115	1550	2.1	1	CCWLE	5/16 x 2 3/8	3 7/8	Sleeve	Stud	UE 307	
40933	1/50	120	1550	1.20	1	CCW	1/4 x 1	1 7/8	Sleeve	Stud	Nutone 86933 Nutone 86933000 UniversalJA2B104N	482
41105	1/50	115	1550	1.0	1	CCWLE	1/4 x 2 1/2	2 1/3	Sleeve	Stud	RMR 1105	431
82633	1/50	120	1400	0.78	1	CW	5/16 x 1 3/8	2 1/2	Sleeve	Resilient Hubs	BROAN 99080273 BROAN 99080274 BROAN 99080633 UE 633	513
40120	1/70	115	1550	0.70	1	CW	1/4 x 2 1/4	2 1/16	Sleeve	Stud	Emerson 9621 UE 14	329
40121	1/70	115	1550	0.70	1	CCW	1/4 x 2 1/4	2 1/16	Sleeve	Stud	Trane MOT-6225 UE 15	329
80865	1/70	115	1550	0.66	1	CCW	1/4 x 2 5/8	2 3/8	Sleeve	Resilient Hubs	Nutone 26721	41
80913	1/70	115	1550	0.66	1	CW	1/4 x 1 1/2	2 3/8	Sleeve	Resilient Hubs	Nutone C30434	41
82510	1/70	115	1320	0.85	1	CW	1/4 x 1 1/8	2 1/16	Sleeve	Stud	Nutone C65073	41 482
80600	1/80	115	3000	0.65	1	CW	1/4 x 2 1/8	2 1/2	Sleeve	Stud	Emerson 9613 Nutone 16553 UE 32	41
82583	1/100	120	1550	0.55	1	CCW	5/16 x 1 3/4	2 9/16	Sleeve	Resilient Hubs	Broan 97008583	45 513
82308	1/100	115	3000	0.57	1	CCW	1/4 x 2 1/2	2 1/16	Sleeve	Stud	Emerson 9600 Magnetek 308 UE 308	
82202	1/120	115	3000	0.45	1	CWLE	1/4 x 1	2 3/8	Sleeve	Stud	Trane MOT-6238	

Notes:

41. 1 1/8" Hubs
45. Impedence Protected

329. Motor has 4 studs on both ends
431. Mechanically Reversible

482. Two prong plugs and cord attached
513. Special plug and cord attached

Fasco 3.3 Inch Diameter Motors - Open Enclosure



D120 D188
D121 D189
D126 D202
D127 D203
D132 D206
D133 D210



D130
D131
D208



D128
D129



D207



D209



D211
D213

Features

- Shaded pole
- Automatic overload
- Open enclosure
- 60 Hertz
- Single phase
- Rotation is determined by viewing the shaft end
- 4 studs on each end

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Mounting	Replaces	Notes
Fasco - Single Shaft											
D202	1/85	115	3000	0.60	CW	1/4 x 2 1/4	2 3/8	Sleeve	Stud		496
D120	1/70	115	1500	0.70	CW	1/4 x 2 1/4	2 1/8	Sleeve	Stud		496
D121	1/70	115	1500	0.70	CCW	1/4 x 2 1/4	2 1/8	Sleeve	Stud		496
D126	1/40	115	1500	1.10	CW	5/16 x 2 1/4	2 1/2	Sleeve	Stud		496
D127	1/40	115	1500	1.00	CCW	5/16 x 2 1/4	2 1/2	Sleeve	Stud		496
D203	1/40	115	3000	1.00	CCW	1/4 x 2 1/4	2 3/4	Sleeve	Stud		496
D130	1/40	115	1500	1.00	CW	5/16 x 4 1/8	3 1/3	Sleeve	Stud	Emerson 3803 Trane MOT-6221	496
D131	1/40	115	1500	1.00	CCW	5/16 x 2 1/4	3 1/3	Sleeve	Stud		496
D206	1/30	115	3000	1.20	CW	1/4 x 2 1/4	2 3/4	Sleeve	Stud		496
D208	1/30	115	3000	1.10	CW	1/4 x 3	3 5/8	Sleeve	Stud		496
D210	1/25	115	3000	1.30	CW	1/4 x 2 1/4	3 1/4	Sleeve	Stud		496
D188	1/20	230	1500	0.90	CW	5/16 x 2 1/4	2 7/8	Sleeve	Stud		496
D189	1/20	230	1500	0.90	CCW	5/16 x 2 1/4	2 7/8	Sleeve	Stud		496
D133	1/20	115	1500	1.80	CCW	5/16 x 2 1/4	2 3/4	Sleeve	Stud		496
D132	1/20	115	1500	1.80	CW	5/16 x 2 1/4	2 3/4	Sleeve	Stud		496
Fasco - Double Shaft											
D129	1/125-1/200	115	1500	0.40-0.30	DS	3 1/4 x 1/4 x 3 1/4	2 1/8	Sleeve	Stud		496
D128	1/40-1/50-1/80	115	1500	1.30-0.90-0.60	DS	4 x 5/16 x 4	2 1/2	Sleeve	Stud		496
D207	1/30	230	3000	0.60	DS	2 1/4 x 1/4 x 2 1/4	2 3/4	Sleeve	Stud		496
D209	1/30	115	3000	1.10	DS	3 1/4 x 1/4 x 3 1/4	3 5/8	Sleeve	Stud		496
D213	1/15	115	3000	2.10	DS	2 3/4 x 1/4 x 2 3/4	3 7/8	Sleeve	Stud		496
D211	1/15	230	3000	1.10	DS	2 1/2 x 1/4 x 2 1/2	3 7/8	Sleeve	Stud		496

Notes:
496. 4 studs on each end

3.3 Inch Diameter Motors - Totally Enclosed



40122
40123
40124
40125
82259
82260



82500
80403



80402
41105

Features

Ideal replacement for many range hoods

- Shaded pole
- Totally enclosed
- Stud mounting
- Automatic overload
- Single phase
- 60 Hertz
- Rotation is determined by viewing the shaft end

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dim. (In.)	Length Less Shaft (In.)	Bearings	Mounting	Notes
Packard											
40122	1/80	115	1550	0.65	1	CW	1/4 x 2 1/4	2 1/16	Sleeve	Stud	329
40123	1/80	115	1550	0.65	1	CCW	1/4 x 2 1/4	2 1/16	Sleeve	Stud	329
82500	1/70	115	3000	1.04	1	CCW	1/4 x 1	2 3/8	Sleeve	Stud	
80402	1/60	115	3000	0.75	1	CW	1/4 x 1 3/4	2 3/8	Sleeve	Stud	
80403	1/60	115	3000	0.75	1	CCW	1/4 x 1 3/4	2 3/8	Sleeve	Stud	
40124	1/50	115	1500	0.88	1	CW	1/4 x 2 1/4	2 3/8	Sleeve	Stud	329
40125	1/50	115	1550	0.80	1	CCW	1/4 x 2 1/4	2 3/8	Sleeve	Stud	329
41105	1/50	115	1550	1.0	1	CCWLE	1/4 x 2 1/2	2 3/8	Sleeve	Stud	431
82259	1/30-1/100	115	1550/1100	1.1/0.62	2	CWLE	5/16 x 1 3/4	2 3/4	Sleeve	Stud	
82260	1/30-1/100	115	1550/1100	1.1/0.62	2	CCWLE	5/16 x 1 3/4	2 3/4	Sleeve	Stud	

Notes:

329. Motor has 4 studs on both ends

431. Mechanically Reversible



D122
D123
D124
D125



D205



D214

Features

- Shaded Pole
- Totally Enclosed
- Automatic Overload
- 60 HZ
- Single Phase
- Rotation is determined by viewing the shaft end

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Mounting
Fasco										
D122	1/80	115	1500	0.60	1	CW	1/4 x 2 1/4	2 1/8	Sleeve	Stud
D123	1/80	115	1500	0.60	1	CCW	1/4 x 2 1/4	2 1/8	Sleeve	Stud
D124	1/50	115	1500	0.75	1	CW	1/4 x 2 1/4	2 1/2	Sleeve	Stud
D125	1/50	115	1500	0.75	1	CCW	1/4 x 2 1/4	2 1/2	Sleeve	Stud
D205	1/40-1/70	115	3000	1.00-0.50	1	DS	3 x 1/4 x 3	2 7/8	Sleeve	Stud
D214	1/20	115/230	3000	1.70-0.80	1	CW	5/16 x 6 1/2	4 5/8	Sleeve	Stud

3.3 Inch Diameter Nutone Replacement Assemblies



Features

- Complete assembly
- Includes motor, mounting bracket and blower wheel
- Shaded pole
- Automatic overload
- 60 Hertz
- Includes 2-prong plug

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	Enclosure	Mounting	Replaces
Packard												
40695	1/100	120	1180	0.60	1	CCWLE	1/4 x 1 1/8	SP	Sleeve	Open	Mounting Plate	Nutone 0695B000
40696	1/45	115	1400	0.86	1	CCWLE	1/4 x 1	SP	Sleeve	Open	Mounting Plate	Nutone 0696B000 Nutone 86322

3.3 Inch Diameter Fan And Blower Duty Nutone Replacements



82512
82514
82635
82637
82733



82513



80600



82510



82694K



82621



40933

Features

- Direct replacements for Nutone and many other popular range hoods
- Rotation is determined by viewing the shaft end
- Shaded pole
- Stud and ring mounting
- Automatic overload
- 60 Hertz

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Enclosure	Replaces	Notes
Packard											
82512	1/100	115	1550	0.70	CCW	1/4 x 1 1/8	2 1/16	Sleeve	Totally Enclosed	Nutone 26750 Nutone 26761	42
82513	1/100	115	1550	0.70	CCW	1/4 x 1 1/4	2 1/16	Sleeve	Totally Enclosed	Nutone 23388 Nutone 23405	41 42
82514	1/100	115	1550	0.70	CW	1/4 x 1 1/8	2 1/16	Sleeve	Totally Enclosed	UE 692	42
82635	1/91	115	1550	0.45	CCW	1/4 x 1 1/8	2.09	Sleeve	Totally Enclosed	Nutone 54123 Nutone 54257	42
80600	1/80	115	3000	0.65	CW	1/4 x 2 1/8	2 1/2	Sleeve	Open	Emerson 9613 Nutone 16553	41
82637	1/75	115	1550	0.63	CCW	1/4 x 1 1/8	2	Sleeve	Totally Enclosed	Nutone 53581	42
82510	1/70	115	1320	0.85	CW	1/4 x 1 1/8	2 1/16	Sleeve	Open	Nutone C65073	41 482
82694K	1/70	115	3000	1.04	CCW	1/4 x 1	2 3/8	Sleeve	Totally Enclosed	Emerson 2694	42
82733	1/50-1/80	115	3000	1.00-0.60	CW	1/4 x 1 1/4	2.59	Sleeve	Totally Enclosed	Nutone C26733	42
82621	1/10	115	1550	3.80	CCW	5/16 x 1 1/2	3 5/8	Ball	Open	Nutone 67176 Nutone 32997	
40933	1/50	120	1550	1.20	CCW	1/4 x 1	1 7/8	Sleeve	Open	Nutone 86933 Nutone 86933000 UniversalJA2B104N	482

Notes:
41. 1 1/8" Hubs

42. Includes cord and plug

482. Two prong plug and cord attached

3.3 Inch Diameter Direct Replacements For Bohn & Larkin



Features

- Single speed
- Stud mounting
- Single phase
- Special Lyall plug and cord included
- Sleeve bearings
- Open enclosure
- Automatic overload
- 60 Hertz
- All copper windings
- Low temp oil

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Replaces	Notes
Packard										
41101	1/20	120	1500	1.90	CCWSE	5/16 x 2 1/4	2 3/4	Shaded Pole	Larkin 253-1194 UE 574	329 551
41103	1/20	208-230	1500	0.93	CCWSE	5/16 x 2 1/4	2 7/8	Shaded Pole	Larkin 253-1195 UE 575	329 551
41124	1/15	120	1550	2.00	CWSE	5/16 x 3	3	Shaded Pole	BOHN 5008S UE 572A	329 551
41126	1/15	208-230	1550	1.10	CWSE	5/16 x 3	3 1/2	Shaded Pole	BOHN 5008T BOHN 5034L UE 573A	329 551
41125	1/12	208-230	1550/1400	0.50	CCWSE	5/16 x 2 5/8	3 1/2	PSC	BOHN 25305101 BOHN 7071061 UE 9720A	304 551

Notes:

304. Run capacitor mounted on motor shell
329. Motor has 4 studs on both ends

551. Low Temp. Oil

3.3 Inch Diameter Direct Replacement For Krack



Features

Commercial Refrigeration Motor

- Shaded pole
- Totally enclosed
- Automatic overload
- 50/60 Hertz
- Rotation is determined by viewing the shaft end
- Low temp oil

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Mounting	Replaces
Packard											
41189	1/20	115/208-230	1350/1550	1.60/0.80	1	CWSE	5/16 x 1 5/8	3 1/16	Ball	Lug	Krack 11528 Krack 11529 Universal JA2P216N Universal JA2P217N Universal JB2P046N Universal JB2P047N Franklin 8254111030 Franklin 8354110940

3.3 Inch Permanent Split Capacitor Replacements for Heatcraft

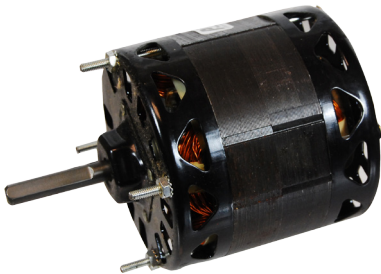


Features

- Permanent split capacitor
- Multi-Horsepower
- Electrically reversible
- Open enclosure
- Single phase
- 50/60 Hertz
- 49101 has all copper windings
- All angle mounting
- UL and CSA recognized
- Capacitor mounted on motor
- Includes reversing plug
- Low temp oil

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Mounting	Replaces
Packard									
49101	1/12-1/15-1/20	115/208-230	1550/1400	1.10/0.60	5/16 x 3 1/8	3 5/8	Ball	Stud	GE 5KSM59ES2001 GE 5KSM59JS036S GE 5KSM59JSK1435 GE 5KSM59LS2262AS Heatcraft 7071061 Heatcraft 25309101
FASCO									
9721	1/12	115/208-230	1550	1.10/0.50	5/16 x 3 1/4	3 5/8	Ball	Stud	Emerson 9656 Emerson 9664 Heatcraft 7071061 BOHN 25309101

4 1/8 Inch Diameter Fan and Blower Motor



Features

- Stud and hub mount
- 1.2" diameter hubs both ends
- Replaces Franklin 8414040471 and 9414310111

Item ID	HP	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Enclosure
Packard									
80958	1/8	115	1550	3.8	1	CWSE	3/8 x 2 3/8	Shaded Pole	Open



NATE APPROVED CRITICAL COMPONENTS TRAINING

Packard has developed the Packard Academy, a complete HVACR critical components training program which has received approval by North American Technician Excellence (NATE) - the leading certification program for HVACR technicians and the only test supported by the entire industry.

Our instructor-led course is designed to help technicians maintain their educational hours to retain their NATE certification. Unlike other distributors, who may only offer training on one HVACR component, Packard's program is designed to train on our entire product line, demonstrating how the various critical components in the HVACR system interact with each other resulting in either proper or improper performance of the system. Can't make it to one of our in-person training sessions? Our "Packard Online" YouTube Channel provides training videos that can be viewed 24/7 at your convenience.

To find out more about Packard Academy training, please call us at 800.334.1769



[YouTube.com/packardonline](https://www.youtube.com/packardonline)

4.4 Inch Diameter Fan Coil Motors



Features

- Sleeve bearings
- Automatic overload
- Open enclosure
- 60 Hertz
- Shaded pole
- Single phase

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Enclosure	Mounting
Fasco Shaded Pole								
D236	1/10-1/15-1/25	115	1550	3.50-2.40-1.80	7 1/2 x 1/2 x 7 1/2	3 3/8	Open	Resilient Base
D336	1/10-1/15-1/25	115	1550	3.50-2.40-1.80	7 1/2 x 3/8 x 7 1/2	3 1/2	Open	Resilient Rings
D337	1/8-1/10-1/12-1/15	115	1550	4.10-2.70-2.30-1.90	7 1/2 x 1/2 x 7 1/2	3 5/8	Open	Resilient Rings
D339	1/8-1/12	230	1550	2.00-1.40	6 1/2 x 1/2 x 6 1/2	4 1/8	Open	Resilient Rings
D338	1/6-1/10-1/12-1/15	115	1550	5.40-3.20-2.50-2.10	7 1/4 x 1/2 x 7 1/4	4 1/8	Open	Resilient Rings

42 Frame Fan Coil Motors



40089
40093
40320



40389



40347



82456

Features

- Sleeve bearings
- Automatic overload
- Models without a base fit existing bases on most fan coil units
- Shaded pole and PSC
- Open enclosure
- Single phase
- 60 Hertz

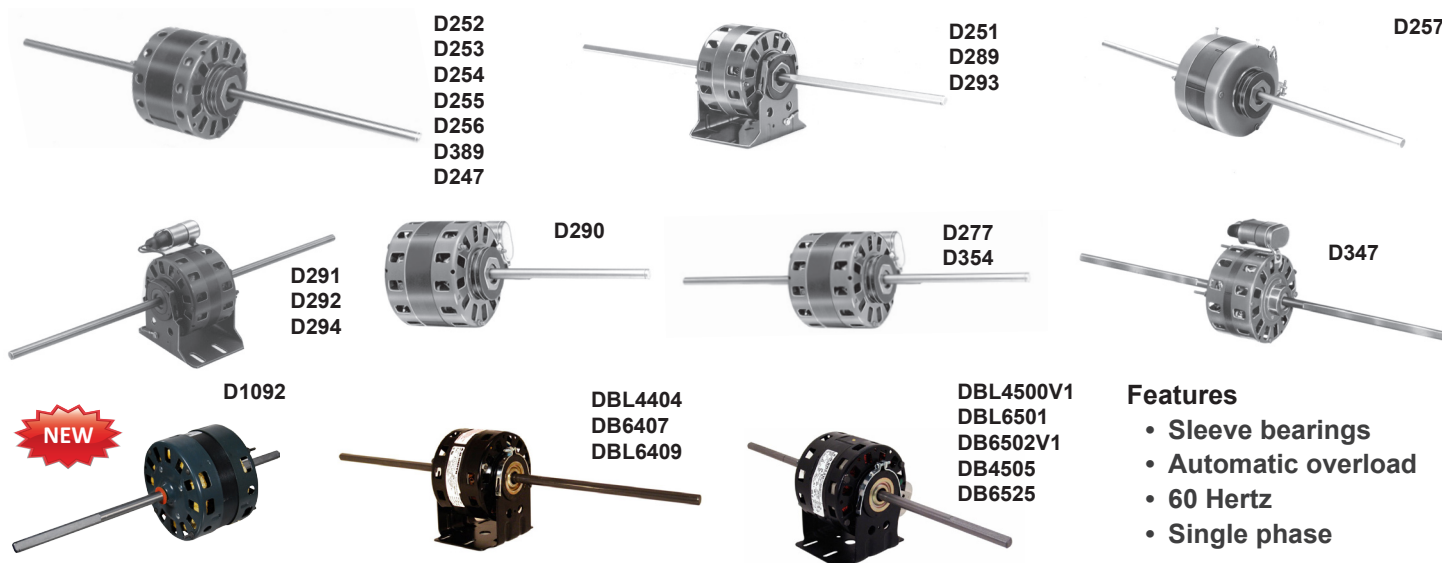
Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Mounting	Replaces	Notes
Packard Shaded Pole											
40089	1/10	115	1050	3.60	5	Double Shaft	10 5/8 x 1/2 x 10 5/8	3 5/8	Base	Magnetek 89	
40093	1/10	115	1050	3.60	5	Double Shaft	10 5/8 x 3/8 x 10 5/8	3 5/8	Base		
40320	1/10	208-230	1050	2.40	3	Double Shaft	10 5/8 x 1/2 x 10 5/8	3 3/8	Base	Magnetek 320	
40389	1/10	115	1050	3.60	5	Double Shaft	10 5/8 x 1/2 x 10 5/8	3 3/8	2 1/2 Rings	Magnetek 389	28
40347	1/8	115	1550	3.30	4	Double Shaft	10 x 1/2 x 10	4	Hex Hubs	Universal 347	9 28
Packard PSC											
82456*	1/25	115	1075	0.80	5	CCWLE	10 5/8 x 1/2 x 10 5/8	3 3/8	Resilient Base	Trane	471

Notes: 9. No mounting rings
*Ball Bearing Motor

28. No base

471. Capacitor mounted on motor

42 Frame Fan Coil Motors



Features

- Sleeve bearings
- Automatic overload
- 60 Hertz
- Single phase

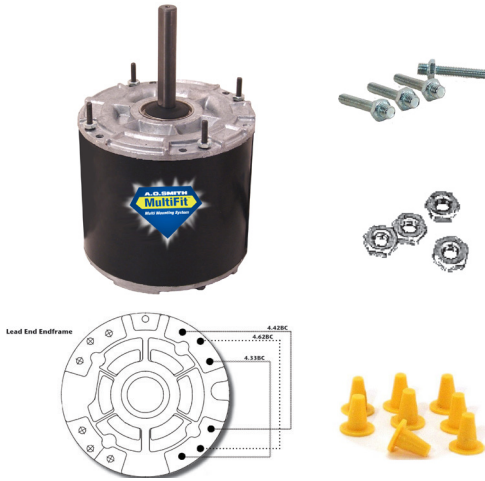
Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	ENCL.	Mounting	Notes
Fasco Shaded Pole									
D255	1/25-1/50-1/80	115	1050	1.50-1.00-0.60	7 1/2 x 1/2 x 7 1/2	3 1/4	Open	Resilient Rings	
D252	1/20-1/40-1/70	115	1050	1.60-0.80-0.50	7 1/2 x 3/8 x 7 1/2	2 5/8	Open	Resilient Rings	
D253	1/20-1/40-1/50	115	1050	2.20-1.40-0.80	7 1/2 x 1/2 x 7 1/2	2 5/8	Open	Resilient Rings	
D251	1/15-1/35-1/50	208-230	1050	1.20-0.50-0.40	9 1/4 x 1/2 x 8 1/2	2 5/8	Open	Resilient Base	34
D254	1/15-1/30-1/50	115	1050	2.10-1.30-0.80	8 x 3/8 x 8	3 1/4	Open	Resilient Rings	
D389	1/15-1/20-1/30-1/50	115	1050	2.40-1.60-1.10-0.80	10 1/4 x 1/2 x 10 1/4	3 1/8	Open	Resilient Rings	
D257	1/15-1/20-1/25	277	1050	1.10-0.70-0.60	9 x 1/2 x 9	3 1/4	Totally Enclosed	Resilient Rings	
D289	1/10-1/30-1/40-1/45-1/50	115	1050	3.60-1.60-1.20-0.80-0.60	10 3/4 x 1/2 x 10 3/4	3 1/4	Open	Resilient Base	34
D293	1/10-1/30-1/40-1/45-1/50	115	1050	3.60-1.60-1.20-0.80-0.60	10 3/4 x 3/8 x 10 3/4	3 1/4	Open	Resilient Base	34
D256	1/10-1/20-1/30	115	1050	3.40-1.70-1.00	8 x 1/2 x 8	3 7/8	Open	Resilient Rings	
Fasco Permanent Split Capacitor									
D294	1/10-1/20-1/25-1/35-1/50	115	1050	1.30-1.00-0.70-0.60-0.50	10 3/4 x 3/8 x 10 3/4	3 1/4	Open	Resilient Base	
D291	1/10-1/15-1/25-1/40	115	1050	2.20-1.40-1.00-0.70	10 3/4 x 1/2 x 10 3/4	3 1/4	Open	Resilient Base	514
D290	1/10-1/15-1/25-1/40	115	1050	2.20-1.40-1.00-0.70	1/2 x 8 1/2	3 1/4	Open	Resilient Rings	514 517
D292	1/10-1/15-1/25-1/35	208-230	1050	1.00-0.70-0.40-0.30	10 3/4 x 1/2 x 10 3/4	3 1/4	Open	Resilient Base	514
D277	1/10-1/12-1/20	277	1050	0.70-0.50-0.40	8 1/2 x 1/2 x 8 1/2	3 7/8	Open	Resilient Rings	514
D347	1/8-1/10-1/15-1/20	115	1550	2.30-1.50-1.10-1.70	10 1/2 x 1/2 x 10 1/2	3	Open	Resilient Rings	250 514
D354	1/6-1/10-1/20	115	1050	3.10-1.50-1.10	8 1/2 x 1/2 x 8 1/2	3 7/8	Open	Resilient Rings	514
D247	1/6-1/8-1/12	230	1550	1.00-0.70-0.50	8 x 1/2 x 8	3 7/8	Open	Resilient Rings	514
NEW D1092	1/3	115	1675	3.4	7 15/16 x 1/2 x 3 1/2	3 1/2	Open	Belly Band	
Century Shaded Pole									
DBL4404	1/10-1/15-1/20	115	1550	3.50	9 5/16 x 1/2 x 9 5/16	3 3/8	Open	Resilient Base	
DB6407	1/10-1/15-1/20-1/25	208-230	1050	1.60	9 5/16 x 1/2 x 9 5/16	3 3/8	Open	Resilient Base	
DBL6409	1/10-1/15-1/20-1/25-1/30	115	1050	3.50	10 5/16 x 1/2 x 10 5/16	3 3/8	Open	Resilient Base	
Century Permanent Split Capacitor									
DBL4500V1	1/10-1/12-1/15	115	1625	1.30-1.00-0.70	9 5/16 x 1/2 x 9 5/16	3 3/8	Open	Resilient Base	
DBL6501	1/10-1/12-1/15-1/20	115	1075	1.70	10 5/16 x 1/2 x 10 5/16	3 3/8	Open	Resilient Base	
DB6502V1	1/10-1/15-1/20-1/25	208-230	1075	0.70-0.50-0.40-0.30	9 5/16 x 1/2 x 9 5/16	3 3/8	Open	Resilient Base	
DB4505	1/5-1/10-1/20	230	1500	1.50	9 5/16 x 1/2 x 9 5/16	3 3/8	Open	Resilient Base	
DB6525	1/4-1/6-1/10	208-230	1075	2.00	10 x 1/2 x 10	4 1/16	Open	Resilient Base	

Notes:

34. 3 1/2" shaft height
250. Mounting rings not included

514. 4M 370V capacitor included
517. Electrically reversible

MultiFit® Condenser Fan Motors



Features

Replaces hundreds of 1/4 - 1/12 horsepower applications

- All angle mount
- Class B insulation
- Reversing plug
- Totally enclosed
- 36 inch leads
- 60°C ambient
- Single speed
- Multi-mounting system
- Double sealed ball bearings
- Energy efficient PSC design
- One simple connection eliminates the need to select various horsepower or change capacitor sizes

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Capacitor Required	Hertz	Replaces
Century										
9722	1/8	208-230	1075	0.90	1/2 x 3	4	Ball	5MFD/370V	60	GE 2243 GE 2248 GE 2249 GE 2251
	1/10		1135	0.60						
	1/12		1155	0.50						
9723	1/4	208-230	1075	2.00	1/2 x 3	4 1/2	Ball	7.5MFD/370V	60	GE 2244 GE 2245 GE 2246 GE 2247 GE 2250
	1/5		1145	1.20						
	1/6		1165	1.00						
9724	1/4	208-230	1625	1.60	1/2 x 3	4 1/2	Ball	5MFD/370V	60	
	1/5		1715	1.00						
	1/6		1759	0.70						

5 Inch Diameter Unit Heater Motors



Features

- U6520 and U6521 have capacitor mounted on motors
- Permanent split capacitor and shaded pole
- Automatic overload
- Sleeve bearings
- Totally enclosed
- 60 Hertz
- Single phase

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Mounting	Notes
Packard											
70385	1/40	115	1050	1.60	1	CWSE	1/2 x 2 1/2	2 3/4	Shaded Pole	Stud and Mounting Rings	
70224	1/20	115	1050	2.30	1	CWSE	1/2 x 3	3 7/8	Shaded Pole	Stud	9
40387	1/15	115	1050	3.10	1	CWSE	1/2 x 2 5/8	3 5/8	Shaded Pole	Stud and Mounting Rings	
40386	1/8	115	1050	5.50	1	CWSE	1/2 x 3 3/8	3 7/8	Shaded Pole	Stud and Mounting Rings	
Century											
U6520	1/8	115	1075	2.60	1	Reversible	1/2 x 3	3 7/8	PSC	Resilient Rings	201 504
U6521	1/8	115	1075	2.60	1	Reversible	1/2 x 2 7/8	3 7/8	PSC	Resilient Base	201 504 505
U6432	1/15	115	1050	3.30	1	CWSE	1/2 x 2 5/8	3 5/8	Shaded Pole	Resilient Base	555
U6433	1/15	115	1050	3.30	1	CWSE	1/2 x 2 7/8	3 5/8	Shaded Pole	Stud	

Notes:

9. No mounting rings
201. 3 thru bolts, 4.42 dia. bolt circle

504. 60" leads
505. 2.6" shaft height

555. 3.5" shaft height

5 5/8 Inch Diameter Unit Heater Motors



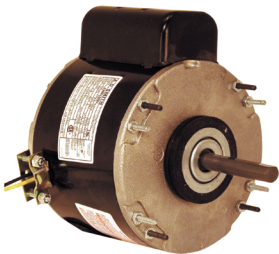
Features

- Permanent split capacitor
- Continuous duty air over
- Ball bearing
- Class B insulation
- Single phase
- Includes capacitor mounted on motor
- Horizontal or vertical mounting
- Dual bolt circle applications, 30-60 degree and 45 degree
- Automatic overload
- UL recognized
- Mounting clamps included

Replaces

Brownell MTG3206 Packard 70066
Emerson 9034 Reznor 55682
GE 3206 Rotom R12834
Marathon X302 Trane MOT6195

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearing	Enclosure	Mounting	Hertz	Overload	Frame
Packard															
40066	1/6	115	1075	2.40	1	Reversible	1/2 x 3 3/8	4 1/2	PSC	Ball	Totally Enclosed	Stud & Resilient	60	Automatic	48



Features

- Permanent split capacitor
- Totally enclosed
- Automatic overload
- 60 Hertz
- Single phase

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Frame	Mounting	Notes
Century												
US1016NB	1/6	115	1075	2.80	Reversible	1/2 x 3	4 3/8	PSC	Sleeve	48	Stud	28 210 411 504
UH1016	1/6	115	1075	2.20	Reversible	1/2 x 3 1/4	4 1/4	PSC	Ball	48	Resilient Base	27 208 411 504
US1016	1/6	115	1075	2.80	Reversible	1/2 x 2 1/2	4 3/8	PSC	Sleeve	48	Resilient Base	27 210 411 504
UH1026	1/4	115	1075	4.90	Reversible	1/2 x 2 1/2	4 3/8	PSC	Ball	48	Resilient Base	27 210 411 504
US1026	1/4	115	1075	4.90	Reversible	1/2 x 2 1/2	4 3/8	PSC	Sleeve	48	Resilient Base	27 210 411
US1026NB	1/4	115	1075	4.90	Reversible	1/2 x 2 1/2	4 3/8	PSC	Sleeve	48	Stud	28 210 411 504
US1036	1/3	115	1075	5.30	Reversible	1/2 x 3	4 5/8	PSC	Sleeve	48	Resilient Base	210 411 504
US1036NB	1/3	115	1075	5.30	Reversible	1/2 x 3	4 5/8	PSC	Sleeve	48	Stud	28 210 411
UH1036	1/3	115	1075	5.30	Reversible	1/2 x 3	4 5/8	PSC	Ball	48	Resilient Base	210 411 504

Fasco

D732	1/3	115	1075	4.10	Reversible	1/2 x 5	4 3/4	PSC	Ball	48	Resilient Mount	135 150 151 517
Notes: 27. Has a 3" shaft height 28. No base 135. All angle mount bearings 150. Capacitor and base are included 151. Ideal for unit heaters 208. 60° C ambient 210. 40° C ambient 411. 4 thru bolts and 4 dummy studs on a 5.15" diameter bolt circle 504. 60" leads 517. Electrically reversible												

5 Inch Diameter Shaded Pole Direct Drive Blower Motors



Features

- Shaded pole
- CWSE rotation
- Automatic overload
- 42 Frame
- 60 Hertz
- Single phase

Item ID	H.P.	Volts	RPM	Amps	Speeds	Shaft Dim. (In.)	Length Less Shaft (In.)	Type	Bearings	Enclosure	Mounting	Replaces
Packard												
40140	1/15	115	1050	2.7	1	3/8 x 2 3/8	2 5/8	SP	Sleeve	Open	Stud	
40096	1/15-1/30	115	1050	2.65	2	3/8 x 2 3/8	2 5/8	SP	Sleeve	Open	Stud	
40180	1/8-1/11	115	1050	4.5-3.4	2	1/2 x 4	3 3/16	SP	Sleeve	Open	Belly Band	Coleman
40317	1/8-1/10	230	1050	2.1-1.8	2	1/2 x 3 1/2	3 3/16	SP	Sleeve	Open	Resilient Hub/ Stud	
40099	1/8-1/10-1/12	115	1050	4.30-3.5-3.0	3	1/2 x 3 1/2	4.19	SP	Sleeve	Open	Stud	GE 3541 GE 3931 Magnetek 98
40318	1/6	208-230	1050	3.10-2.20	2	1/2 x 3 1/2	4.00	SP	Sleeve	Open	Belly Band	Trane MOT-6139
40166	1/6	115	1050	6.60	2	1/2 x 4 1/2	3 7/8	SP	Sleeve	Open	Resilient Rings	
40849	1/6	115	1050	5.50	1	1/2 x 3 3/4	3 7/8	SP	Sleeve	Open	Resilient Rings	
40850	1/5	115	1050	6.50	1	1/2 x 5 1/2	3 3/8	SP	Sleeve	Open	Resilient Rings	
40851	1/5	115	1050	6.30	2	1/2 x 4 1/4	3 7/8	SP	Sleeve	Open	Resilient Rings	
40852	1/5	115	1050	7.3-4.8-3.8	3	1/2 x 5	3 7/8	SP	Sleeve	Open	Resilient Rings	
40853	1/5	208-230	1050	3.20	3	1/2 x 5 1/2	3 7/8	SP	Sleeve	Open	Resilient Rings	



Features

- Shaded pole
- 1050 RPM
- Automatic overload
- Single phase
- 60 Hertz

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	ENCL.	Bearings	Mounting	Notes
Fasco Shaded Pole												
D340	1/40	115	1050	1.1	1	CWSE	3/8 x 2 5/8	2 5/8	TE	Sleeve	Stud	
D143	1/30-1/40	115	1050	1.5-1	2	CCWSE	1/2 x 1 5/8	2 1/4	Open	Sleeve	Belly Band	
D176	1/10-1/20	115	1050	3.9 - 1.7	2	CWSE	3/8 x 3	2 5/8	Open	Sleeve	Resilient Rings	
D156	1/6	115	1050	6.60	1	CWSE	1/2 x 3 7/8	3 7/8	Open	Sleeve	Resilient Rings	
D166	1/6-1/9	115	1050	7.20	2	CWSE	1/2 x 3 1/2	3 7/8	Open	Sleeve	Resilient Rings	
D318	1/6-1/8	230	1050	3.10	2	CWSE	1/2 x 3 1/2	4	Open	Sleeve	Stud	9
D158	1/5-1/6-1/7	115	1050	6.70	3	CWSE	1/2 x 4 1/8	3 7/8	Open	Sleeve	Resilient Rings	
D180	1/8	115	1050	4.50	2	CWSE	1/2 x 4	3 1/4	Open	Sleeve	Resilient Rings	9 19 20

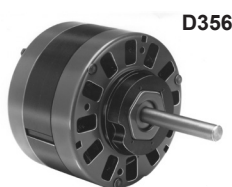
Notes:

9. No mounting rings

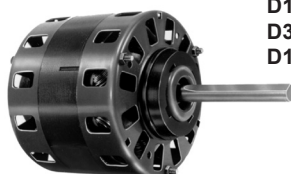
19. Drilled and tapped for Coleman mounting

20. For International Oil Burner Co.

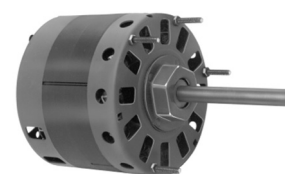
42 Frame Direct Drive Blower Motors



D356



D156
D318
D158



D150
D151
D152

Features

- Shaded pole or permanent split capacitor
- Sleeve bearings
- Open enclosure
- Automatic overload
- Single phase
- 60 Hertz

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Mounting	Notes
Fasco Shaded Pole												
D356	1/8-1/10-1/12	115	1050	4.70-3.70-3.20	3	CWSE	1/2 X 3 1/2	3 1/8	SP	Sleeve	Stud	
D156	1/6	115	1050	6.60	1	CWSE	1/2 x 3 7/8	3 7/8	SP	Sleeve	Resilient Rings	
D318	1/6-1/8	230	1050	3.10	2	CWSE	1/2 x 3 1/2	4	SP	Sleeve	Stud	9
D158	1/5-1/6-1/7	115	1050	6.70	3	CWSE	1/2 x 4 1/8	3 7/8	SP	Sleeve	Resilient Rings	
Fasco Permanent Split Capacitor												
D151	1/4-1/5-1/6	230	1050	2.00-1.40-1.10	3	Reversible	1/2 x 6	4 1/8	PSC	Sleeve	Stud	
D150	1/4-1/5-1/6	115	1050	4.10-3.20-2.50	3	Reversible	1/2 x 6	4 1/8	PSC	Sleeve	Stud	
D152	1/4-1/5-1/6-1/8	277	1050	1.50-1.10-0.80-0.70	4	Reversible	1/2 x 6	4 1/8	PSC	Sleeve	Stud	

Notes:

9. No mounting rings



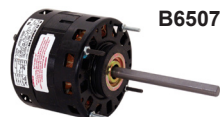
BL6407
BL6408
BL6409



B6415 BL6414
BL6410 BL6416
BL6412 BL6420
BL6413



9640



B6507



B6520

Features

- 42 Frame
- 60 Hertz
- Open enclosure
- Single phase
- Automatic overload

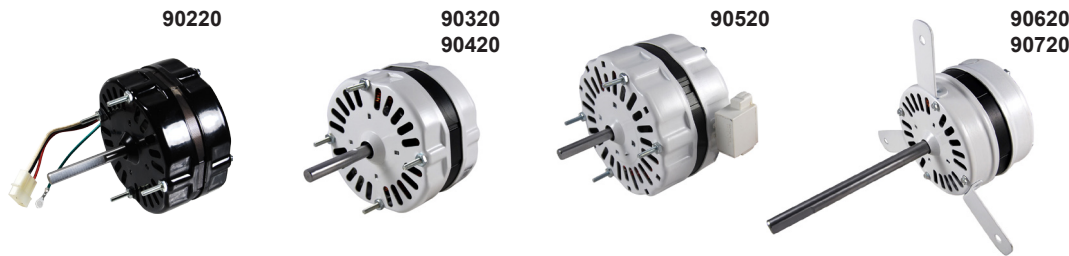
Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dim. (In.)	Length Less Shaft (In.)	Bearings	Type	Mounting	Notes
Century												
BL6409	1/12	115	1050	3.10	1	CCWLE	1/2 x 3	3 7/8	Sleeve	SP	Resilient Rings	
BL6408	1/10	115	1050	3.90	1	CCWLE	1/2 x 3	3 7/8	Sleeve	SP	Resilient Rings	
BL6410	1/8	115	1050	5.20	1	CWSE	1/2 x 5 1/2	3 3/8	Sleeve	SP	Resilient Rings	187 201 205
BL6407	1/6	115	1000	7.80	1	CCWLE	1/2 x 3	3 7/8	Sleeve	SP	Resilient Rings	
BL6412	1/6	115	1050	5.50	1	CWSE	1/2 x 3 5/8	3 7/8	Sleeve	SP	Resilient Rings	187 201 205
9640	1/6	115	1550	6.40	1	CWLE	1/2 x 3 5/16	4	Sleeve	SP	Resilient Base	256
BL6420	1/6-1/9	115	1050	5.60	2	CWSE	1/2 x 4 1/2	3 7/8	Sleeve	SP	Resilient Rings	187 201 205
BL6413	1/5	115	1050	6.00	1	CWSE	1/2 x 5 1/2	3 3/8	Sleeve	SP	Resilient Rings	187 201 205
B6415	1/5-1/8-1/10	208-230	1050	3.20	3	CWSE	1/2 x 5 1/2	3 7/8	Sleeve	SP	Resilient Rings	187 201 205
BL6414	1/5-1/8-1/10	115	1050	6.50	3	CWSE	1/2 x 5 1/2	3 7/8	Sleeve	SP	Resilient Rings	187 201 205
BL6416	1/5-1/8-1/10-1/15	115	1050	7.10	4	CWSE	1/2 x 2 5/8	3 7/8	Sleeve	SP	Resilient Rings	187 201 205
B6507	1/5-1/6-1/10	230	1075	1.3-.9-.7	3	Rev.	1/2 x 3	3.5	Sleeve	PSC	Resilient Rings	187 201 205
B6520	1/4-1/5-1/6	230	1075	2.0	3	Rev.	1/2 x 4 5/8	4 1/16	Sleeve	PSC	Resilient Rings	201

Notes:

187. Resilient mounting rings included
201. 3 thru bolts, 4.42 dia. bolt circle

205. Extended thru bolts, shaft end only
256. Includes base

Direct Replacements For Loren Cook's Gemini Motors

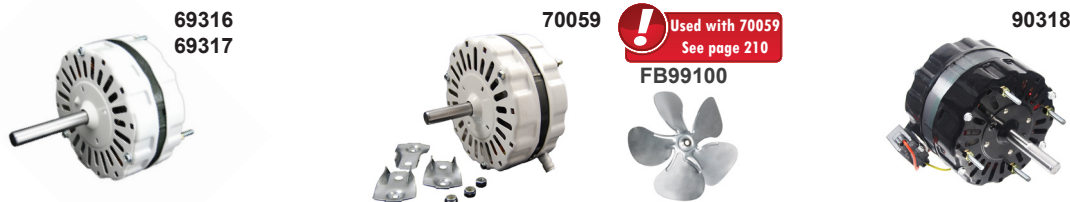


Features

- Permanently lubricated sealed sleeve bearings
- Open enclosure
- Automatic overload
- 60 Hertz

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Diameter (In.)	Mounting	Replaces
Packard												
90220	1/114	115	1500	0.75	2	CW	3/8 x 2 3/4	2 3/8	Shaded Pole	4.4	Thru Bolt	Gemini Loren Cook 220/240
90420	1/23	115	1500	1.50	1	CW	3/8 x 2 3/4	2 5/8	Shaded Pole	4.4	Thru Bolt	Gemini Loren Cook 420
90320	1/16	115	1550	2.20	2	CW	3/8 x 2 1/2	2 5/8	Shaded Pole	4.4	Thru Bolt	Gemini Loren Cook 320/340
90520	1/16	115	1200	1.50	1	CW	3/8 x 2 1/4	3	PSC	5.12	Thru Bolt	Gemini Loren Cook 520
90620	1/11	115	1500	4.60	2	CW	1/2 x 6 1/4	3	Cap Included Shaded Pole	4.4	Lug Mount	Gemini Loren Cook 620/640
90720	1/4	115	1625	3.90	2	CW	1/2 x 6 1/4	3 3/8	PSC	5.12	Lug Mount	Gemini Loren Cook 720/740
									Cap Included			

Direct Replacements For Broan / Lomanco / Greenheck



Features

- Open enclosure
- Automatic overload
- 60 Hertz
- 42 Frame
- Single phase

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Mounting	Replaces
Packard												
69316	—	120	1100	3.40	1	CWSE	1/2 x 3 1/16	2 1/4	SP	Sleeve	Stud	Broan 97009316
69317	—	120	1100	4.30	1	CWSE	1/2 x 2 5/8	2 5/8	SP	Sleeve	Stud	Broan 97009317 Broan 99080267
70059	1/10	120	1100	3.40	1	CWSE	1/2 x 1 5/8	2 1/4	SP	Sleeve	Lug	Lomanco AO510B2497 Lomanco AO416B2059 Lomanco AO510B2389
90318	1/8	115	1550/1300/1050	2.60	3	CCWSE	1/2 x 2 3/4	3 5/8	PSC	Ball	Thru Bolt	Greenheck 308318
									Cap Included			

Direct Replacement For L.L. Building Products

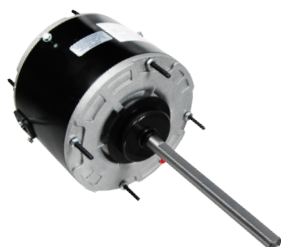


Features

- Open enclosure
- Automatic overload
- 60 Hertz
- Single phase
- Direct replacements for Leslie Locke

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Diameter (In.)	Capacitor Included	Replaces
Packard												
99320	—	120	900	3.40	1	CWSE	1/2 x 2.05	2.25	SP	5.12	—	L.L. Building V909320
99319	1/4	120	1050	3.30	1	CWSE	1/2 x 2.30	3.33	PSC	5.12	10MFD/ 250V	L.L. Building V909319
99321	1/5	120	1050	3.30	1	CWSE	1/2 x 2.30	3.33	PSC	5.12	10MFD/250V	L.L. Building V909321 L.L. Building V909337
99371	1/7	120	1050	2.80	1	CWSE	1/2 x 2.30	3.08	PSC	5.12	8MFD/250V	L.L. Building V909371 L.L. Building V909336

Permanent Split Capacitor Condenser Fan Motors



Features

- Permanent split capacitor
- Single speed
- Reversible rotation
- Totally enclosed
- Automatic overload
- 48 Frame
- 60 Hertz
- Single phase
- Rheem Mounting

Item ID	H.P.	Volts	RPM	Amps	Shaft Dim. (In.)	Length Less Shaft (In.)	Bearings	Capacitor Required	Replaces	Notes
Packard										
80825	1/8	208-230	825	1.00	1/2 x 6 1/2	3 7/8	Ball	5MFD/370V	Emerson 1872	126
43727B	1/6	208-230	1075	1.0-1.1	1/2 x 6 1/2	3 7/8	Ball	5MFD/370V	Emerson 1859	126
60825	1/6	208-230	825	1.0-1.1	1/2 x 6 1/2	4 1/8	Ball	5MFD/370V	Emerson 1873	126
40825	1/4	208-230	825	1.3-1.4	1/2 x 6 1/2	4 5/8	Ball	5MFD/370V	Emerson 1874	126
43732	1/4	208-230	1075	1.8-2.0	1/2 x 6 1/2	4 1/8	Ball	5MFD/370V	Emerson 1860 & 1876	126
30825	1/3	208-230	825	1.6-1.8	1/2 x 6 1/2	5 1/8	Ball	7.5MFD/370V	Emerson 1875	126
43733	1/3	208-230	1075	2.2-2.5	1/2 x 6 1/2	4 5/8	Ball	7.5MFD/370V	Emerson 1861 & 1877	126
43734	1/2	208-230	1075	3.0-3.5	1/2 x 6 1/2	5 1/8	Ball	10MFD/370V	Emerson 1862 & 1878	126
43735	3/4	208-230	1075	4.6-5.3	1/2 x 6 1/2	5 3/8	Ball	10MFD/370V	Emerson 1868 & 1879	126
Century										
FSE1016SV1	1/6	208-230	1075	0.90	1/2 x 6 1/2	4	Sleeve	5MFD/370V		189 422
FSE1026SV1	1/4	208-230	1075	2.00	1/2 x 6 1/2	4 3/8	Sleeve	5MFD/370V		189 422
FE1026SC	1/4	208-230	1075	1.30	1/2 x 6	4 5/8	Ball	5MFD/370V		189 246
FSE1036SV1	1/3	208-230	1075	1.80	1/2 x 6 1/2	4 7/8	Sleeve	7.5MFD/370V		189 422
FE1036SC	1/3	208-230	1075	1.80	1/2 x 6	5 1/4	Ball	7.5MFD/370V		189
FSE1056SV1	1/2	208-230	1075	2.80	1/2 x 6 1/2	5 3/8	Sleeve	10MFD/370V		189 422
FE1056SC	1/2	208-230	1075	2.80	1/2 x 6	5 5/8	Ball	10MFD/370V		189
FSE1076SV1	3/4	208-230	1075	4.20	1/2 x 6 1/2	5 5/8	Sleeve	15MFD/370V		189 422
Fasco										
D799	1/8	208-230	825	0.90	1/2 x 6	4	Sleeve	5MFD/370V		126 138 208 517
D919	1/8	208-230	1075	0.90	1/2 x 6 1/2	3 3/4	Sleeve	5MFD/370V		126 135 208 517
D917	1/6	208-230	1075	1.00	1/2 x 6 1/2	3 3/4	Sleeve	5MFD/370V		126 135 208 517
D794	1/5	208-230	825	1.30	1/2 x 6	4 1/3	Sleeve	5MFD/370V		126 138 208 517
D906	1/5	208-230	1075	1.20	1/2 x 6 1/2	4	Sleeve	5MFD/370V		126 135 208 517
D934	1/4	208-230	825	1.90	1/2 x 6	4 1/3	Sleeve	5MFD/370V		126 138 208 517
D909	1/4	208-230	1075	1.80	1/2 x 6 1/2	4	Sleeve	5MFD/370V		126 135 208 517
D7909	1/4	208-230	1075	1.80	1/2 x 6 1/2	4	Ball	5MFD/370V		126 135 208 517
D936	1/3	208-230	825	2.00	1/2 x 6	5	Sleeve	7.5MFD/370V		138 208 517
D908	1/3	208-230	1075	2.40	1/2 x 6 1/2	4 1/2	Sleeve	7.5MFD/370V		126 135 208 517
D7908	1/3	208-230	1075	2.60	1/2 x 6 1/2	4 1/2	Ball	7.5MFD/370V		126 135 208 517
D907	1/2	208-230	1075	3.70	1/2 x 6 1/2	4 3/4	Sleeve	10MFD/370V		135 208 517
D7907	1/2	208-230	1075	3.70	1/2 x 6 1/2	5	Ball	10MFD/370V		135 208 517
D933	3/4	208-230	1075	5.00	1/2 x 6 1/2	5 3/4	Sleeve	15MFD/370V		135 141 208 517
D931	3/4	208-230	1075	4.50	1/2 x 6 1/2	5 1/4	Ball	15MFD/370V		135 208 517
NEW D913	1/4	460	1075	1.10	1/2 x 6 3/8	4	Ball	5MFD/370V		135 208 517
NEW D915	3/4-1/2	460	1075	2.5-1.6	5/8 x 4 1/2	5 1/3	Ball	15MFD/370V		145 146 208 517

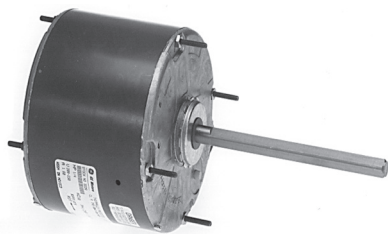
Notes:

126. 4 drilled and tapped holes in shell for Rheem applications
 135. All angle mount bearings
 138. All angle mount bearings. Use rain shield when necessary

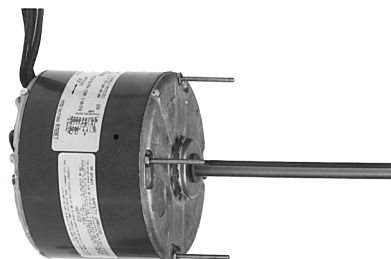
141. Motor has increased stack for higher ambient temperatures
 145. Special wiring configuration. Cannot be used with SPDT switching.
 146. Keyed Shaft
 189. Reversing plug

208. 60°C ambient
 246. No hubs on either end
 422. 1/2" hub on shaft end frame with slinger. Grommet on lead exits.
 517. Electrically reversible

Condenser Fan Motors



Shaft Up or Down
Application



Shaft Up or Horizontal
Application

Applications

- Designed for condenser fan and heat pump units requiring vertical shaft up or vertical shaft down positioning with “belly band” or extended clamp screw mounting.

Features

- Permanent split capacitor
- Standard efficiency designs
- Sleeve or ball bearings
- Designed for 370 Volt capacitor, not included
- Mounting holes in shell for capacitor bracket
- Water slinger on shaft
- 26 inch motor leads
- Single phase
- 48 Frame

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Notes
genteq - Shaft Up or Down Application									
3201	1/10	208-230	825	0.80	1	Reversible	PSC	Ball	1, 5
3202	1/8	208-230	825	1.10	1	Reversible	PSC	Ball	1, 5
3727	1/6	208-230	1075	1.00	1	Reversible	PSC	Sleeve	
3203	1/6	208-230	825	1.00	1	Reversible	PSC	Ball	
3403	1/6	208-230	825	1.00	1	Reversible	PSC	Sleeve	
3728	1/4	208-230	1075	1.80	1	Reversible	PSC	Sleeve	1
3732	1/4	208-230	1075	1.80	1	Reversible	PSC	Ball	2
3204	1/4	208-230	825	1.50	1	Reversible	PSC	Ball	
3404	1/4	208-230	825	1.50	1	Reversible	PSC	Sleeve	
3729	1/3	208-230	1075	2.30	1	Reversible	PSC	Sleeve	1, 4
3733	1/3	208-230	1075	2.30	1	Reversible	PSC	Ball	1
3205	1/3	208-230	825	2.20	1	Reversible	PSC	Ball	
3405	1/3	208-230	825	2.20	1	Reversible	PSC	Sleeve	
3730	1/2	208-230	1075	3.50	1	Reversible	PSC	Sleeve	1
3734	1/2	208-230	1075	3.50	1	Reversible	PSC	Ball	
3731	3/4	208-230	1075	4.70	1	Reversible	PSC	Sleeve	
3735	3/4	208-230	1075	4.70	1	Reversible	PSC	Ball	
genteq - Shaft Up or Horizontal Application									
3327	1/6	208-230	1075	0.90	1	Reversible	PSC	Sleeve	1, 3, 6
3328	1/4	208-230	1075	1.80	1	Reversible	PSC	Sleeve	1, 3
3329	1/3	208-230	1075	2.40	1	Reversible	PSC	Sleeve	1, 3, 6
3330	1/2	208-230	1075	3.60	1	Reversible	PSC	Sleeve	1, 3, 6
3331	3/4	208-230	1075	5.10	1	Reversible	PSC	Sleeve	3, 6

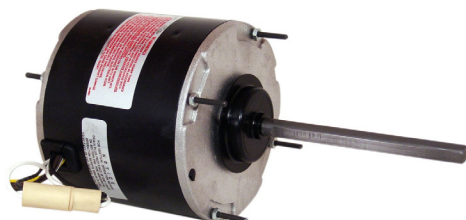
Notes:

1. Designed for 60°C ambient
2. Designed for 65°C ambient

3. Opposite shaft-end endshield is open
4. TENV construction

5. Designed for 50 or 60 Hertz operation
6. 6" shaft extension with two flats 90° apart

HeatMaster® Condenser Fan Motor



Features

- 70°C (158°F) max ambient
- UL/CSA approved Class F insulation
- High-temperature UL/CSA approved overload protector
- Energy-efficient PSC design
- All-angle mount
- Mounts by belly band, adjustable extended thru-bolts, or Rheem mounting holes, with screws supplied
- Lead length 26 to 48 inch
- Water-resistant reversing plug
- Double sealed ball bearing, or dependable all-angle sleeve bearings
- 60 Hertz
- 48 Frame
- Class F insulation
- Totally enclosed
- Single speed
- Continuous duty, air over
- UL and CSA recognized

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Capacitor Required	Replaces
Century 825 RPM Sleeve Bearing										
FSE1008SF	1/8	208-230	825	1.00	Reversible	1/2 x 6 1/2	4 1/4	Sleeve	5MFD/370V	Emerson 1872
FSE1018SF	1/6	208-230	825	1.10	Reversible	1/2 x 6 1/2	4 1/8	Sleeve	5MFD/370V	Emerson 1873 GE 3403
FSE1028SF	1/4	208-230	825	1.50	Reversible	1/2 x 6 1/2	4 5/8	Sleeve	5MFD/370V	Emerson 1874 GE 3404
FSE1038SF	1/3	208-230	825	2.10	Reversible	1/2 x 6 1/2	5 1/8	Sleeve	7.5MFD/370V	Emerson 1875 GE 3405
FSE1058SF	1/2	208-230	825	2.50	Reversible	1/2 x 6 1/2	5 5/8	Sleeve	10MFD/370V	Emerson 1870
Century 825 RPM Ball Bearing										
FE1008SF	1/8	208-230	825	1.00	Reversible	1/2 x 6 1/2	4 1/4	Ball	5MFD/370V	GE 3202
FE1018SF	1/6	208-230	825	1.10	Reversible	1/2 x 6 1/2	4 1/8	Ball	5MFD/370V	GE 3203
FE1028SF	1/4	208-230	825	1.50	Reversible	1/2 x 6 1/2	4 5/8	Ball	5MFD/370V	GE 3204
FE1038SF	1/3	208-230	825	2.10	Reversible	1/2 x 6 1/2	5 1/8	Ball	7.5MFD/370V	GE 3205
FE1058SF	1/2	208-230	825	2.50	Reversible	1/2 x 6 1/2	5 5/8	Ball	10MFD/370V	
Century 1075 RPM Sleeve Bearing										
FSE1016SF	1/6	208-230	1075	1.40	Reversible	1/2 x 6 1/2	4	Sleeve	5MFD/370V	Emerson 1859 GE 3727
FSE1026SF	1/4	208-230	1075	2.00	Reversible	1/2 x 6 1/2	4 3/8	Sleeve	5MFD/370V	Emerson 1860 GE 3728
FSE1036SF	1/3	208-230	1075	2.80	Reversible	1/2 x 6 1/2	4 7/8	Sleeve	7.5MFD/370V	Emerson 1861 GE 3729
FSE1056SF	1/2	208-230	1075	4.00	Reversible	1/2 x 6 1/2	5 3/8	Sleeve	10MFD/370V	Emerson 1862 GE 3730
FSE1076SF	3/4	208-230	1075	5.10	Reversible	1/2 x 6 1/2	5 5/8	Sleeve	15MFD/370V	Emerson 1868 GE 3731
Century 1075 RPM Ball Bearing										
FE1016SF	1/6	208-230	1075	1.40	Reversible	1/2 x 6 1/2	4	Ball	5MFD/370V	
FE1026SF	1/4	208-230	1075	2.00	Reversible	1/2 x 6 1/2	4 3/8	Ball	5MFD/370V	Emerson 1876 GE 3732
FE1036SF	1/3	208-230	1075	2.80	Reversible	1/2 x 6 1/2	4 7/8	Ball	7.5MFD/370V	Emerson 1877 GE 3733
FE1056SF	1/2	208-230	1075	4.00	Reversible	1/2 x 6 1/2	5 3/8	Ball	10MFD/370V	Emerson 1878 GE 3734
FE1076SF	3/4	208-230	1075	5.10	Reversible	1/2 x 6 1/2	5 5/8	Ball	15MFD/370V	Emerson 1879 GE 3735

Vulcan High Temperature Outdoor Condenser Fan Motors



70° Max Ambient Temp

Features

- Class F Insulation
- 70°C Ambient
- Ball Bearing
- Single Speed
- Drilled and tapped holes in the shell for Rheem mounting
- Reversible
- All Angle Mounting
- Extended Thru Bolts
- 36" Leads
- Energy Efficient PSC Design

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Capacitor Required	Replaces
Packard									
60825F	1/6	208-230	825	1.0-1.1	1/2 x 6 1/2	4 1/8	Ball	5MFD/370V	20403, Rheem 51-20760-11 US Motors 1873H
40825F	1/4	208-230	825	1.3-1.4	1/2 x 6 1/2	4 5/8	Ball	5MFD/370V	20404, Rheem 51-23054-13 US Motors 1874H
30825F	1/3	208-230	825	1.6-1.8	1/2 x 6 1/2	5 1/8	Ball	7.5MFD/370V	20405, Rheem 51-21853-83, US Motors 1875H
43727BF	1/6	208-230	1075	1.0-1.1	1/2 x 6 1/2	3 7/8	Ball	5MFD/370V	20727, Rheem 51-21854-17, US Motors 1859H
43732F	1/4	208-230	1075	1.8-2.0	1/2 x 6 1/2	4 1/8	Ball	5MFD/370V	20728, Rheem 51-23054-11, US Motors 1860H
43736F	1/4	460	1075	1.0	1/2 x 6 1/2	4 3/4	Ball	7.5MFD/370V	US Motors 3736H
43733F	1/3	208-230	1075	2.2-2.5	1/2 x 6 1/2	4 5/8	Ball	7.5MFD/370V	20729, Rheem 51-21583-21, US Motors 1861H
43737F	1/3	460	1075	1.3	1/2 x 6 1/2	5 1/4	Ball	7.5MFD/370V	US Motors 3737H
43734F	1/2	208-230	1075	3.0-3.5	1/2 x 6 1/2	5 1/8	Ball	10MFD/370V	20730, US Motors 1862H
43738F	1/2	460	1075	1.5	1/2 x 6 1/2	5 5/8	Ball	10MFD/370V	US Motors 3738H
43735F	3/4	208-230	1075	4.6-5.3	1/2 x 6 1/2	5 3/8	Ball	10MFD/370V	20731, US Motors 1868H

Vulcan High Temperature Multi-Horsepower Condenser Fan Motors



70° Max Ambient Temp



Features

Replaces Rheem and Hundreds of Other Condenser Motors!

- Permanent split capacitor
- UL and CSA approved
- Mounts by belly band, thru bolts or Rheem mounting holes with screws
- Single speed
- Totally enclosed
- Single phase
- 48 Frame
- 60 Hertz
- Ball bearings
- Electrically reversible
- All angle mounting
- Automatic overload
- 70°C Ambient

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Frame	Bearings	Rotation
Packard									
45458BF	1/3-1/4-1/5-1/6	208-230	1075	1.8-2.0	1/2 x 6 1/2	4 1/8	48	Ball	Reversible
45488BF	1/4-1/5-1/6-1/8	208-230	825	1.8-2.0	1/2 x 6 1/2	4 1/8	48	Ball	Reversible

5 5/8 Inch Diameter Multi-Horsepower Condenser Fan Motors



Features

Replaces Rheem and Hundreds of Other Condenser Motors!

- Permanent split capacitor
- UL and CSA approved
- Mounts by belly band, thru bolts or Rheem mounting holes with screws
- Single speed
- Totally enclosed
- Single phase
- 48 Frame
- 60 Hertz
- Ball bearings
- Electrically reversible
- All angle mounting
- Automatic overload

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Replaces	
Packard									
45488B	1/4-1/5-1/6-1/8	208-230	825	1.8-2.0	1/2 x 6 1/2	4 1/8	Ball	Emerson 5464	Rheem 51-20760-11 Rheem 51-21276-01 Rheem 51-23054-13 Rheem 51-23055-12
45458B	1/3-1/4-1/5-1/6	208-230	1075	1.8-2.0	1/2 x 6 1/2	4 1/8	Ball	Emerson 5458 Emerson 5462	Rheem 51-20354-11 Rheem 51-20668-11 Rheem 51-23053-11 Rheem 51-23055-11

MasterFit® Pro Outdoor Condenser Fan Motors

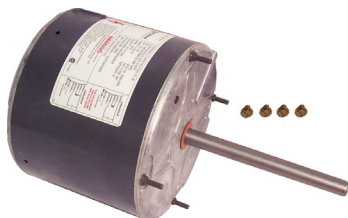


Features

- All purpose, multi-rating
- Permanent split capacitor
- Extended thru bolts
- Rheem mounting holes in shells
- 4 end frame mounting holes for Trane
- Class F insulation
- Energy efficient
- Ball bearing
- Reversible
- Totally enclosed
- 60 Hertz
- 70°C ambient
- 2 Speed

Item ID	H.P.	Volts	RPM	Amps	Speed to Use	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Frame	Capacitor @ 208V	Capacitor @ 230V	Replaces
Century												
FE6001F	1/3	208-230	825	1.90	High	Reversible	1/2 x 6 1/2	5 1/4	48Y	10MFD/370V	7.5MFD/370V	Emerson 5464
	1/4			1.50	High							
	1/5			1.20	Low							
	1/6			1.00	Low							
FE6000F	1/3	208-230	1075	2.60	High	Reversible	1/2 x 6 1/2	4 7/8	48Y	7.5MFD/370V	5MFD/370V	Emerson 5462
	1/4			2.50	High							
	1/5			2.00	Low							
	1/6			1.80	Low							
FE6002F	1/2	208-230	1075	3.90	High	Reversible	1/2 x 6 1/2	5 3/8	48Y	12.5MFD/370V	10MFD/370V	Emerson 5465
	1/3			2.20	High							
	1/4			1.60	Low							
	1/5			1.30	Low							

Life-Line Multi-Horsepower Motors



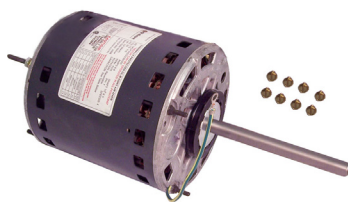
Applications

- Designed for condenser fan and heat pump units requiring vertical shaft up or vertical shaft down positioning with “belly band” or extended clamp screw mounting.

Features

- Ball bearings
- Water slinger on shaft
- Class B insulation
- Single phase
- Automatic overload
- Permanent split capacitor
- Designed for 370 Volt capacitor, not included
- Different capacitor/speed combinations to fit various HP applications
- Holes in motor shell for mounting brackets
- Extended clampbolts or studs for mounting

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Base
genteq									
3465	1/3-1/6	208-230	1075	2.60	2	Reversible	PSC	Ball	NB
3458	1/3-1/6	208-230	1075	2.80	1	Reversible	PSC	Ball	NB
3469	1/3-1/6	208-230	825	1.90	2	Reversible	PSC	Ball	NB
3459	1/3-1/8	208-230	825	2.40	1	Reversible	PSC	Ball	NB
3468	1/2-1/5	208-230	1075	3.00	2	Reversible	PSC	Ball	NB



Applications

- Designed for continuous air over applications, such as direct drive residential, commercial and industrial air conditioners, fan and blowers.

Features

- Permanent split capacitor
- Ball and sleeve bearings
- Class B insulation
- Single phase
- Automatic overload
- Different capacitor/speed combinations to fit various HP applications
- Holes in motor shell for mounting brackets
- Extended clamp screws and resilient rings to fit multiple mounting requirements

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Base
genteq - Shaft Up or Horizontal Application									
3463	1/2-1/6	115	1075	6.20	4	Reversible	PSC	Sleeve	2RR
3464	1/2-1/6	208-230	1075	2.70	4	Reversible	PSC	Sleeve	2RR
3466	3/4-1/5	115	1075	8.40	4	Reversible	PSC	Ball	2RR
3467	3/4-1/5	208-230	1075	4.20	4	Reversible	PSC	Ball	2RR

Capacitor/Speed Selection Guide

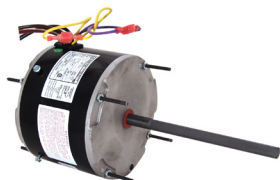
Item ID	H.P.	Speeds to Use	Capacitor @ 208V	Capacitor @ 230V	Amps
3465	1/3	Hi	7.5/370	5/370	2.60
	1/4	Hi	7.5/370	5/370	2.50
	1/5	Lo	7.5/370	5/370	2.00
	1/6	Lo	7.5/370	5/370	1.80
3458	1/3	Hi	7.5/370	7.5/370	2.80
	1/4	Hi	7.5/370	7.5/370	2.80
	1/5	Hi	7.5/370	7.5/370	2.80
	1/6	Hi	7.5/370	7.5/370	2.80
3469	1/3	Hi	10/370	7.5/370	1.90
	1/4	Hi	10/370	7.5/370	1.50
	1/5	Lo	10/370	7.5/370	1.20
	1/6	Lo	10/370	7.5/370	1.00
3459	1/3	Hi	12.5/370	12.5/370	2.40
	1/4	Hi	12.5/370	12.5/370	2.40
	1/5	Hi	12.5/370	12.5/370	2.40
	1/6	Hi	12.5/370	12.5/370	2.40
	1/8	Hi	12.5/370	12.5/370	2.40
3468	1/2	Hi	12.5/370	10/370	3.00
	1/3	Hi	12.5/370	10/370	2.20
	1/4	Lo	12.5/370	10/370	1.60
	1/5	Lo	12.5/370	10/370	1.30

Item ID	H.P.	Capacitor	Speeds to Use	Amps
3463	1/2	10/370	All Speeds	6.20
	1/3	5/370 or 7.5/370*	All Speeds	6.10
	1/4	5/370 or 7.5/370*	Med-Hi or Med-Lo:Lo	4.40
	1/5	5/370 or 7.5/370*	Med-Lo:Lo	3.20
	1/6	5/370 or 7.5/370*	Lo	2.40
3464	1/2	10/370	All Speeds	2.70
	1/3	5/370 or 7.5/370*	All Speeds	2.60
	1/4	5/370 or 7.5/370*	Med-Hi or Med-Lo:Lo	1.90
	1/5	5/370 or 7.5/370*	Med-Lo:Lo	1.40
3466	1/6	5/370 or 7.5/370*	Lo	1.10
	3/4	20/370	All Speeds	8.40
	1/2	10/370	All Speeds	7.50
	1/3	10/370	Med-Hi or Med-Lo:Lo	4.20
3467	1/4	10/370	Med-Lo:Lo	3.20
	1/5	10/370	Lo	2.60
	3/4	20/370	All Speeds	4.20
	1/2	10/370	All Speeds	3.80
3467	1/3	10/370	Med-Hi or Med-Lo:Lo	2.30
	1/4	10/370	Med-Lo:Lo	1.90
	1/5	10/370	Lo	1.50

* Using a 7.5 MFD/370V capacitor will result in approximately 10% stronger motor.

4-in-1® And HeatMaster® Condenser Fan Motors

4-in-1® Fan Motors (Economy Models) - 60°C Ambient



Features

- Class B insulation
- Energy-efficient PSC design
- Reversing connectors
- Durable ball bearings or dependable all-angle sleeve bearings
- Mounts by belly band, adjustable extended thru-bolts or Rheem mounting holes with supplied screws
- All-angle mount
- Lead length 36 inch to 48 inch
- Single speed
- Totally enclosed
- Continuous duty, air over
- UL and CSA approved
- 48 Frame
- 60 Hertz
- 60°C ambient

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Capacitor Required	Replaces
Century										
ORM5488	1/3-1/8	208-230	825	2.10	1/2 x 6 1/2	4 7/8	PSC	Sleeve	7.5MFD/370V	Emerson 5457 Rheem 51-23055-12 Rheem 51-20760-11
ORM5488B	1/3-1/8	208-230	825	2.10	1/2 x 6 1/2	4 7/8	PSC	Ball	7.5MFD/370V	Rheem 51-20761-11
ORM5458	1/3-1/6	208-230	1075	2.00	1/2 x 6 1/2	4	PSC	Sleeve	7.5MFD/370V	Emerson 5458 Rheem 51-41465-01 Rheem 51-20672-01 Rheem 51-20668-11
ORM5458B	1/3-1/6	208-230	1075	2.00	1/2 x 6 1/2	4	PSC	Ball	7.5MFD/370V	Rheem 51-23053-11 Rheem 51-23055-11

4-in-1® HeatMaster® Fan Motors (Deluxe Models) - 70°C Ambient



Features

- Energy-efficient PSC design
- Reversing connectors
- Water-resistant reversing plug
- Double sealed ball bearings or dependable all-angle sleeve bearings
- Mounts by belly band, adjustable extended thru-bolts or Rheem mounting holes with supplied screws
- All-angle mount
- Lead length 36 inch to 48 inch
- Single speed
- Totally enclosed
- Continuous duty, air over
- UL and CSA recognized
- 48 Frame
- Class F insulation
- 60 Hertz
- 70°C ambient
- High-temperature UL/CSA approved overload protector

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Capacitor Required	Replaces
Century										
ORM5484F	1/8-1/15	208-230	825	0.80	1/2 x 6 1/2	4 1/4	PSC	Sleeve	5MFD/370V	Emerson 5456 Rheem 51-20761-01 Trane MOT6314
ORM5484BF	1/8-1/15	208-230	825	0.80	1/2 x 6 1/2	4 1/4	PSC	Ball	5MFD/370V	Rheem 51-20760-01 Trane MOT6314
ORM5454F	1/8-1/15	208-230	1075	0.80	1/2 x 6 1/2	4	PSC	Sleeve	5MFD/370V	Emerson 5459
ORM5454BF	1/8-1/15	208-230	1075	0.80	1/2 x 6 1/2	4	PSC	Ball	5MFD/370V	
ORM5488F	1/3-1/8	208-230	825	2.10	1/2 x 6 1/2	4 7/8	PSC	Sleeve	7.5MFD/370V	Emerson 1875H Marathon X072
ORM5458F	1/3-1/6	208-230	1075	2.00	1/2 x 6 1/2	4	PSC	Sleeve	7.5MFD/370V	Emerson 1860H
ORM5488BF	1/3-1/8	208-230	825	2.10	1/2 x 6 1/2	4 7/8	PSC	Ball	7.5MFD/370V	
ORM5489BF	1/2-1/5	208-230	825	2.50	1/2 x 6 1/2	5 5/8	PSC	Ball	10MFD/370V	
ORM4688BF	1/3-1/8	460	825	1.00	1/2 x 6 1/2	5 1/8	PSC	Ball	7.5MFD/370V	
ORM5458BF	1/3-1/6	208-230	1075	2.00	1/2 x 6 1/2	4	PSC	Ball	7.5MFD/370V	Emerson 5458H
ORM5459BF	1/2-1/5	208-230	1075	3.60	1/2 x 6 1/2	5 3/8	PSC	Ball	10MFD/370V	
ORM4658BF	1/3-1/6	460	1075	1.20	1/2 x 6 1/2	4 7/8	PSC	Ball	7.5MFD/370V	Emerson 3736H Rheem 51-23063-11
ORM4659BF	1/2-1/5	460	1075	1.50	1/2 x 6 1/2	5 5/8	PSC	Ball	10MFD/370V	

HeatMaster® Ultra Condenser Fan Motors



Features

- 80°C (176°F) max ambient
- Double sealed ball bearings with high temperature synthetic grease
- Energy-efficient PSC design
- Mounts by belly band, adjustable extended thru-bolts, or Rheem/Trane mounting holes, with screws supplied
- Works with Johnson Controls Speed controls

4-in-1® HeatMaster® Ultra Multi-horsepower Replacement Motors- 80°C Ambient

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Capacitor Required
Century									
ORM5488BU	1/3-1/8	208-230	825	1.8	1/2 x 6 1/2	4.86	PSC	Double Sealed Ball	7.5MFD/370V
ORM5458BU	1/3-1/6	208-230	1075	1.9	1/2 x 6 1/2	4.11	PSC	Double Sealed Ball	7.5MFD/370V

HeatMaster® Ultra Condenser Fan Motors- 80°C Ambient

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Capacitor Required
Century									
FE1028SU	1/4	208-230	825	1.2	1/2 X 6.5	4.61	PSC	Double Sealed Ball	5MFD/370V
FE1038SU	1/3	208-230	825	1.6	1/2 X 6.5	5.11	PSC	Double Sealed Ball	7.5MFD/370V
FE1058SU	1/2	208-230	825	2.3	1/2 X 6.5	5.61	PSC	Double Sealed Ball	10MFD/370V
FE1026SU	1/4	208-230	1075	1.9	1/2 X 6.5	4.36	PSC	Double Sealed Ball	5MFD/370V
FE1036SU	1/3	208-230	1075	2.5	1/2 X 6.5	4.86	PSC	Double Sealed Ball	7.5MFD/370V
FE1056SU	1/2	208-230	1075	3.8	1/2 X 6.5	5.36	PSC	Double Sealed Ball	10MFD/370V
FE1076SU	3/4	208-230	1075	5.1	1/2 X 6.5	5.61	PSC	Double Sealed Ball	15MFD/370V
FEH1026SU	1/4	460	1075	0.9	1/2 X 6.5	4.74	PSC	Double Sealed Ball	7.5MFD/370V
FEH1036SU	1/3	460	1075	1.2	1/2 X 6.5	5.24	PSC	Double Sealed Ball	7.5MFD/370V
FEH1056SU	1/2	460	1075	1.5	1/2 X 6.5	5.61	PSC	Double Sealed Ball	10MFD/370V

5 5/8 Inch Diameter Multi-Horsepower Direct Drive Blower Motors



45460
45461
45470
45471



FDL6001
FD6000
7FD6000A
FDL6002
FD6001
7FD6001A

Features

- Permanent split capacitor
- Multiple capacitor/speed combinations
- Continuous duty, air over
- Mounting rings, thru bolts and holes in shell
- Class B insulation
- Reversible rotation
- Automatic overload
- 48 Frame
- 60 Hertz
- Single phase
- 5 Speed

Item ID	H.P.	Volts	RPM	Amps	Rotation	Type	Bearings	Enclosure	Replaces
Packard									
45460	1/2-1/3-1/4-1/5-1/6	115	1075	5.80-5.10-3.50-3.20-2.20	Reversible	PSC	Sleeve	Open	Emerson 5460 Rheem 51-23012-41
45461	1/2-1/3-1/4-1/5-1/6	208-230	1075	2.90-2.50-1.80-1.40-1.30	Reversible	PSC	Sleeve	Open	Emerson 5461 Rheem 51-23022-41
45470	3/4-1/2-1/3-1/4-1/5	115	1075	9.10-6.50-5.50-4.00-2.30	Reversible	PSC	Ball	Open	Emerson 5470 Rheem 51-23017-41
45471	3/4-1/2-1/3-1/4-1/5	208-230	1075	4.60-3.30-3.40-2.30-1.70	Reversible	PSC	Ball	Open	Emerson 5471 Rheem 51-21898-01
Century									
FDL6001	1/2, 1/3, 1/4, 1/5, 1/6	115	1075	7.00, 6.70, 4.40, 3.20, 2.40	Reversible	PSC	Sleeve	Open	Emerson 5460 Rheem 51-23012-41
FD6000	1/2, 1/3, 1/4, 1/5, 1/6	208-230	1075	3.90, 3.60, 2.50, 1.80, 1.30	Reversible	PSC	Sleeve	Open	Emerson 5461 Rheem 51-23022-41
7FD6000A	1/2, 1/3, 1/4, 1/5, 1/6	277	1075	3.30, 2.30, 1.70, 1.30, 1.00	Reversible	PSC	Sleeve	Open	—
FDL6002	3/4, 1/2, 1/3, 1/4, 1/5	115	1075	9.10, 6.60, 5.50, 3.00, 2.30	Reversible	PSC	Ball	Open	Emerson 5470
FD6001	3/4, 1/2, 1/3, 1/4, 1/5	208-230	1075	3.90, 3.60, 3.00, 2.30, 2.00	Reversible	PSC	Ball	Open	Emerson 5471
7FD6001A	3/4, 1/2, 1/3, 1/4, 1/5	277	1075	3.60, 2.30, 1.70, 1.30, 1.00	Reversible	PSC	Ball	Open	—

5 5/8 Inch Diameter Direct Drive Blower Motors

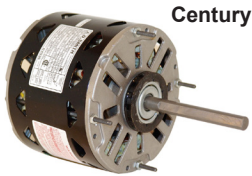


Features

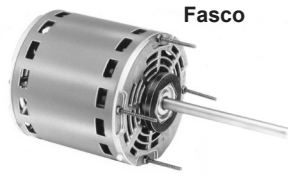
- Permanent split capacitor
- Continuous air over
- 2 1/2 inch mounting rings
- Class B insulation
- 40°C ambient
- Electrically reversible
- Open enclosure
- Automatic overload
- 48 Frame
- 60 Hertz
- Single phase

Item ID	H.P.	Volts	RPM	Amps	Speeds	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Capacitor Required	Replaces
Packard											
43581	1/6-1/8-1/10	115	1075	2.50	3	1/2 x 5 1/2	4	PSC	Sleeve	5MFD/370V	GE 3581 Emerson 8891
43582	1/6-1/8-1/10	208-230	1075	1.40	3	1/2 x 7	4	PSC	Sleeve	5MFD/370V	GE 3582 Emerson 8896
43583	1/4-1/6-1/8	115	1075	4.40	3	1/2 x 4 1/2	4	PSC	Sleeve	5MFD/370V	GE 3583 Emerson 1863
43584	1/4-1/6-1/8	208-230	1075	1.70	3	1/2 x 4 1/2	4	PSC	Sleeve	5MFD/370V	GE 3584 Emerson 1971
43585	1/3-1/4-1/6	115	1075	6.00	3	1/2 x 4 1/2	4 1/4	PSC	Sleeve	5MFD/370V	GE 3585 Emerson 1864
43586	1/3-1/4-1/6	208-230	1075	2.60	3	1/2 x 4 1/2	4 1/4	PSC	Sleeve	5MFD/370V	GE 3586 Emerson 1972
43587	1/2-1/3-1/4	115	1075	7.80	3	1/2 x 4 1/2	5 1/8	PSC	Sleeve	5MFD/370V	GE 3587 Emerson 1865
43588	1/2-1/3-1/4	208-230	1075	3.60	3	1/2 x 4 1/2	5 1/8	PSC	Sleeve	5MFD/370V	GE 3588 Emerson 1973
43589	3/4-1/2-1/3	115	1075	10.50	3	1/2 x 4 1/2	5 1/8	PSC	Sleeve	15MFD/370V	GE 3589 Emerson 8904
43590	3/4-1/2-1/3	208-230	1075	4.60	3	1/2 x 4 1/2	5 1/8	PSC	Sleeve	10MFD/370V	GE 3590 Emerson 8905
48906	1	115	1075	9.70	3	1/2 x 6 1/2	5.87	PSC	Ball	20MFD/370V	GE 3595 Emerson 8906
48907	1	208/230	1075	4.4 - 5.4	3	1/2 x 6 1/2	5.87	PSC	Ball	20MFD/370V	GE 3596 Emerson 8907

5 5/8 Inch Diameter Direct Drive Blower Motors



Century



Fasco



D979
D976

Features

- Permanent split capacitor
- Continuous air over
- 2 1/2 inch mounting rings
- Class B insulation
- 40°C ambient
- Electrically reversible
- Open enclosure
- Automatic overload
- 48 Frame
- 60 Hertz
- Single phase

	Item ID	H.P.	Volts	RPM	Amps	Speeds	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Capacitor Required	Notes
	Fasco											
NEW	D975	1/6-1/10-1/12	277	1075	0.90-0.40-0.30	3	1/2 x 5 1/2	4	PSC	Sleeve	5MFD/370V	138 148
NEW	D979	1/6-1/8-1/10	277	1075	0.90-0.70-0.60	3	7 7/8 x 1/2 x 8 1/4	3 3/4	PSC	Sleeve	5MFD/370V	138 148
	D721	1/4-1/5-1/6	115	1075	4.80	3	1/2 x 6	4	PSC	Sleeve	15MFD/370V	138 148
	D725	1/4-1/6-1/8	208/230	1075	2.20	3	1/2 x 6	4	PSC	Sleeve	15MFD/370V	138 148
NEW	D973	1/4-1/6-1/8	277	1075	2.00-1.40-1.00	3	1/2 x 5 1/2	4	PSC	Sleeve	5MFD/370V	138 148
	D727	1/3-1/4-1/5	115	1075	5.90	3	1/2 x 6	4 1/4	PSC	Sleeve	5MFD/370V	138 148
	D923	1/3-1/4-1/5	208-230	1075	2.90	3	1/2 x 6	4 1/4	PSC	Sleeve	5MFD/370V	138 148
NEW	D972	1/3-1/4-1/5	277	1075	2.40-1.50-1.00	3	1/2 x 5 1/2	4 1/4	PSC	Sleeve	5MFD/370V	138 148
	D701	1/2-1/3-1/4-1/5	115	1075	7.70	4	1/2 x 5 1/2	5 1/4	PSC	Sleeve	10MFD/370V	138 148
	D703	1/2-1/3-1/4	208-230	1075	4.00	3	1/2 x 6	5	PSC	Sleeve	7.5MFD/370V	138 148
NEW	D971	1/2-1/3-1/4	277	1075	3.20-2.20-1.80	3	1/2 x 5 1/2	4 3/4	PSC	Sleeve	10MFD/370V	138 148
NEW	D976	1/2-1/3-1/4	277	1075	3.4-2.2-1.6	3	7 3/8 x 1/2 x 7 1/4	5 1/4	PSC	Sleeve	10MFD/370V	138 148
NEW	D974	1/2-1/3-1/4	277	825	2.3-1.6-1.3	3	1/2 x 5	5 1/3	PSC	Sleeve	15MFD/370V	138 148
	D728	3/4-1/2-1/3	115	1075	10.50	3	1/2 x 6	5 1/2	PSC	Sleeve	10MFD/370V	138 148
	D729	3/4-1/2-1/3	208-230	1075	5.40	3	1/2 x 6	5 1/2	PSC	Sleeve	10MFD/370V	138 148
NEW	D970	3/4-1/2-1/3	277	1075	3.90-2.20-1.60	3	1/2 x 5 1/2	5 1/4	PSC	Sleeve	20MFD/370V	138 148
	D768	1	277	1075	4.4	3	1/2 x 6	6.3	PSC	Ball	30MFD/370V	
	D712	1-1/2-1/3	115	1075	11.80	3	1/2 x 6	6	PSC	Sleeve	20MFD/370V	138 148
	D711	1-1/2-1/3	208-230	1075	5.30	3	1/2 x 6	5 1/2	PSC	Sleeve	20MFD/370V	138
	Century											
	DL1026	1/4	115	1075	3.50	3	1/2 x 4 1/2	4 1/8	PSC	Sleeve	5MFD/370V	
	D1026	1/4	208-230	1075	1.80	3	1/2 x 4 1/2	4 1/8	PSC	Sleeve	5MFD/370V	
	DL1036	1/3	115	1075	4.90	3	1/2 x 4 1/2	4 1/2	PSC	Sleeve	7.5MFD/370V	
	D1036AO	1/3	208-230	1075	2.60	3	1/2 x 4 1/2	4 3/8	PSC	Sleeve	5MFD/370V	
	DL1056	1/2	115	1075	6.50	3	1/2 x 4 1/2	5	PSC	Sleeve	10MFD/370V	
	D1056AO	1/2	208-230	1075	3.20	3	1/2 x 4 1/2	4 7/8	PSC	Sleeve	7.5MFD/370V	
	DL1076	3/4	115	1075	8.90	3	1/2 x 4 1/2	5 5/8	PSC	Sleeve	15MFD/370V	264
	D1076	3/4	208-230	1075	4.00	3	1/2 x 4 1/2	5 5/8	PSC	Sleeve	10MFD/370V	
	BDL1106	1	115	1075	12.30	3	1/2 x 6	6	PSC	Ball	20MFD/370V	
	BD1106	1	208-230	1075	5.10	3	1/2 x 6 1/2	5 5/8	PSC	Ball	20MFD/370V	187 424
	BDH1106	1	460	1100	3.20	3	1/2 x 6 1/2	5 7/8	PSC	Ball	15MFD/370V	187 308 321

Notes:

138. All angle mount bearings. Use rain shield when necessary
148. Ideal for blowers and fans used in furnaces and air-conditioners

187. Resilient mounting rings included
264. 50°C ambient
308. Reconnect for separate speeds

321. No extended thru bolts
424. 1/2" double flat shaft, 2 1/2" rings

Two And Three Speed Direct Drive Blower Motors

Applications

- Designed for continuous air over applications, such as furnace blowers or central air handling units with single shaft requirements.

Features

- Reversible rotation
- Automatic overload
- Single phase
- 5 1/2 inch diameter
- Permanent split capacitor
- Standard efficiency designs
- 4 inch shaft extension
- Extended thru bolts on shaft end with a mounting kit provided
- Ring kit allows both 2 1/4 inch and 2 1/2 inch resilient ring mounting
- Mounting holes in shell for capacitor bracket
- Designed for 370 Volt capacitor, not included.



Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings
genteq								
3383	1/4	115	1075	4.20	2	Reversible	PSC	Sleeve
3583	1/4	115	1075	4.20	3	Reversible	PSC	Sleeve
3384	1/4	208-230	1075	2.00	2	Reversible	PSC	Sleeve
3584	1/4	208-230	1075	2.00	3	Reversible	PSC	Sleeve
3385	1/3	115	1075	6.20	2	Reversible	PSC	Sleeve
3585	1/3	115	1075	6.10	3	Reversible	PSC	Sleeve
3386	1/3	208-230	1075	2.90	2	Reversible	PSC	Sleeve
3586	1/3	208-230	1075	2.70	3	Reversible	PSC	Sleeve
3387	1/2	115	1075	9.00	2	Reversible	PSC	Sleeve
3587	1/2	115	1075	9.00	3	Reversible	PSC	Sleeve
3388	1/2	208-230	1075	4.30	2	Reversible	PSC	Sleeve
3588	1/2	208-230	1075	4.30	3	Reversible	PSC	Sleeve
3389	3/4	115	1075	10.30	2	Reversible	PSC	Sleeve
3589	3/4	115	1075	11.20	3	Reversible	PSC	Sleeve
3390	3/4	208-230	1075	5.20	2	Reversible	PSC	Sleeve
3590	3/4	208-230	1075	5.00	3	Reversible	PSC	Sleeve

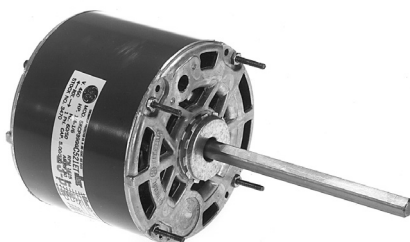
460 Volt Two Speed Direct Drive Blower Motors

Applications

- Designed for continuous air over applications, such as high voltage fan and blower systems.

Features

- Energy Saver designs
- Ball bearings
- Extended thru bolts
- Designed for 50Hz or 60Hz operation
- Single phase
- 5 1/2 inch diameter
- Open enclosure
- Single shaft
- Automatic overload



Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings
genteq								
3470	1/4	460	1625	0.80	2	Reversible	PSC	Ball
3280	1/3	460	1075	1.10	2	Reversible	PSC	Ball
3490	1/2	460	1625	1.70	2	Reversible	PSC	Ball
3290	3/4	460	1075	2.10	2	Reversible	PSC	Ball

5 5/8 Inch Diameter Torsion Flex Direct Drive Blower Motors



43782 43787
43783 43788
43784 43789
43785 43790
43786



D1730
D1731
D1732
D1733
D1734
D1735

Features

- Permanent split capacitor
- Continuous air over
- Energy efficient
- Electrically reversible
- Automatic overload
- Open enclosure
- Single phase
- 48 Frame
- 60 Hertz

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dim. (In.)	Length Less Shaft (In.)	Type	Bearings	Capacitor Required	Replaces
Packard												
43782	1/6	115	1075	2.50	3	Reversible	1/2 x 5	4	PSC	Sleeve	5MFD/370V	3782
43783	1/4	115	1075	3.60	4	Reversible	1/2 x 6	4	PSC	Sleeve	5MFD/370V	3783
43784	1/4	208-230	1075	1.80-2.00	4	Reversible	1/2 x 6	4	PSC	Sleeve	5MFD/370V	3784
43785	1/3	115	1075	4.80	4	Reversible	1/2 x 6	4 1/4	PSC	Sleeve	10MFD/370V	3785 & 9377
43786	1/3	208-230	1075	2.30-2.60	4	Reversible	1/2 x 6	4 1/4	PSC	Sleeve	10MFD/370V	3786
43787	1/2	115	1075	8.00	4	Reversible	1/2 x 6	4 7/8	PSC	Sleeve	10MFD/370V	3787
43788	1/2	208-230	1075	3.30-4.00	4	Reversible	1/2 x 6	4 7/8	PSC	Sleeve	10MFD/370V	3788
43789	3/4	115	1075	9.00	3	Reversible	1/2 x 5	5.41	PSC	Sleeve	15MFD/370V	3789
43790	3/4	208-230	1075	4.50	3	Reversible	1/2 x 5	5.41	PSC	Sleeve	10MFD/370V	3790
Fasco												
D1730	1/4-1/5-1/6	115	1075	4.8-3.3-2.6	3	Reversible	1/2 x 6	4	PSC	Sleeve	5MFD/370V	
D1731	1/3-1/4-1/5	115	1075	5.9-4.6-3.8	3	Reversible	1/2 x 6	4 1/4	PSC	Sleeve	5MFD/370V	
D1732	1/2-1/3-1/4	115	1075	7.7-5.5-4.2	3	Reversible	1/2 x 6	4 4/3	PSC	Sleeve	10MFD/370V	
D1733	1/4-1/5-1/6	208-230	1075	2.2-1.6-1.2	3	Reversible	1/2 x 6	4	PSC	Sleeve	5MFD/370V	
D1734	1/3-1/4-1/5	208-230	1075	2.8-2.2-1.8	3	Reversible	1/2 x 6	4 1/4	PSC	Sleeve	5MFD/370V	
D1735	1/2-1/3-1/4	208-230	1075	3.4-2.5-1.9	3	Reversible	1/2 x 6	4 3/4	PSC	Sleeve	10MFD/370V	

Helpful Tip



Over time the rubber grommets in mounting brackets could crack and fail. In order to reduce vibration and noise they should be replaced.

[Find Grommets On Page 230](#)

HeatMaster® Fan Canopy



Features

- 70°C (158°F) max ambient
- UL/CSA approved Class F insulation
- Energy-efficient PSC and three phase designs
- Patented fan canopy
- Vertical shaft up only
- Double sealed ball bearing
- Open, air over
- Reversible
- 60 Hertz
- Totally Enclosed
- Single Speed
- 48 Frame
- UL and CSA recognized

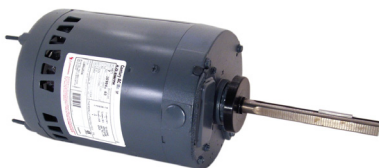
Item ID	H.P.	Volts	RPM	Amps @		Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Capacitor Required	Replaces	Notes
				230V	460V						
Century Single Phase											
FC1046F	0.4	200-230/460	1075	3.20	1.60	Reversible	1/2" Flat x 3 9/16	5 5/16	5MFD/370V	GE 03945	511
FC1066F	0.6	200-230/460	1075	4.00	2.00	Reversible	1/2" Flat x 3 9/16	6 15/16	7.5MFD/370V	GE 03946	511
FC1066AF	0.6	200-230/460	1075	4.00	2.00	Reversible	5/8" Flat & Key x 3 9/16	6 15/16	7.5MFD/370V	GE 03196	511
FC1086F	0.8	200-230/460	1075	4.60	2.30	Reversible	1/2" Flat x 3 9/16	8 13/16	20MFD/370V	GE 03197	352 511
FC1086AF	0.8	200-230/460	1075	4.60	2.30	Reversible	5/8" Flat & Key x 3 9/16	8 13/16	20MFD/370V	GE 03198	511
FC1106F	1	200-230/460	1075	6.40	3.20	Reversible	5/8" Flat & Key x 4 1/16	9 9/16	25MFD/370V	GE 03199	403 511
FC1156F	1 1/2	200-230/460	1075	7.00	3.50	Reversible	5/8" Flat & Key x 4 1/16	10 1/6	25MFD/370V		403
Century Three Phase											
FC3056F	1/2	200-230/460	1140	3.00	1.50	Reversible	1/2" Flat x 3 9/16	6 15/16	—	GE K1403	
FC3076F	3/4	200-230/460	1140	4.00	2.00	Reversible	5/8" Flat & Key x 4 1/16	9 1/16	—	GE K1404	
FC3106F	1	200-230/460	1140	5.60	2.80	Reversible	5/8" Flat & Key x 4 1/16	9 9/16	—		
FC3156F	1 1/2	200-230/460	1140	5.80	2.90	Reversible	5/8" Flat & Key x 4 1/16	9 9/16	—		

Notes:

352. Includes 5/8" adapter and key
 403. All 1 HP and 1 1/2 HP Motor supplied with conversion kit allowing motor to be used in most 56 frame applications

511. Suitable for use with some solid state speed control devices

56 Frame Three Phase Commercial Condenser Fan Motors



Features

- Class B moisture resistant insulation
- 5/8 inch diameter shaft with keyway and flat
- Double sealed ball bearings
- 1.0 service factor
- Automatic overload
- 60°C ambient
- Single speed
- 60 Hertz
- Three phase
- Air over

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Frame	Enclosure	Mounting	Notes
Century											
H567	3/4	460/200-230	1140	1.50/2.80-3.00	Reversible	5/8 x 6	10 3/8	56	Open Shaft End	Belly Band	
H686	1	460/200-230	850	2.00/4.40-4.00	Reversible	5/8 x 4 7/8	9 3/8	56	Open Shaft End	Belly Band	319
H667	1	460/200-230	1140	2.60/5.30-5.20	Reversible	5/8 x 6	10 7/8	56	Open Shaft End	Belly Band	
H767	1 1/2	460/200-230	1140	3.00/5.80-6.00	Reversible	5/8 X 6	10 7/8	56	Open Shaft End	Belly Band	407 520

Notes:

319. No keyway, double flat

407. 70°C ambient

520. 1.15 service factor

JuggerNaut® Three Phase Inverter Duty Condenser Fan Motors



Features

- Inverter duty
- 70°C (158°F) max ambient
- Class F moisture resistant insulation
- Automatic overload protector
- Large water slinger
- Double sealed ball bearings
- Lugs for belly-band mounting
- Shaft up mounting
- Quick connect design
- Energy-efficient three phase design
- Conductive bearing grease for inverter applications
- 50/60 Hertz
- Three phase
- Energy-efficient three phase design

Removable 56H Base 70°C (158°F) Max Ambient

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Belly Band	Replaces Belly Band	Rigid Base
Century									
H1055A	1/2	460/200-230	1140	1.3/2.8-2.6	5/8 X 6	10.4			
H1056A	3/4	460/200-230	1140	1.5/2.8-3.0	5/8 X 6	10.5			
H1050A	1	460/208-230	1140	2.20/4.40-4.00	5/8 x 6	10 5/8	Marathon X502 Emerson 1818 G.E. K379 Fasco D6608	Leeson 111147 Baldor CFM3156A Mars 3189	Marathon X513 Emerson 1820 G.E. K1485 Leeson 115778
H1051A	1 1/2	460/208-230	1140	2.90/5.80-5.80	5/8 x 6	11 5/8	Marathon X503 Emerson 1819 G.E. K380 Fasco D6610	Leeson 111148 Baldor CFM3166A Mars 3190	Marathon X523 Emerson 1821 G.E. K1486 Leeson 115779
H1052A	2	460/208-230	1140	3.70/7.40-7.00	5/8 x 6	12 5/8	Marathon X509	Emerson 8987	Marathon X525 Emerson 1822
H1053A	1	460/208-230	850	2.60/5.20-5.00	5/8 x 6	12 5/8	Marathon X507 Emerson 1828	G.E. K1482 Mars 1482	Marathon X528
H1054	1 1/2	460/208-230	850	3.60/6.70-7.20	5/8 x 6	13 1/8	Marathon X530		Marathon X531

Note: It is the responsibility of the installer to properly adjust the drive to the motor for the specific application. The correct volts/Hz settings are application specific and unique to each motor. Failure to perform proper set up can lead to substandard performance and/or premature failure of the system components. All other replacements are not inverter duty.



Features

- Inverter duty
- 70°C (158°F) max ambient
- Class F moisture resistant insulation
- Automatic overload protector
- Large water slinger
- Double sealed ball bearings
- Shaft up mounting
- Quick connect design
- Energy-efficient three phase design
- Conductive bearing grease for inverter applications
- 50/60 Hertz
- Three phase
- Energy-efficient three phase design

Rigid 56H Base 70°C (158°F) Max Ambient

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)
Century						
H1050RB	1	460/208-230	1140	2.20/4.40-4.00	5/8 x 6	10.3
H1051RB	1 1/2	460/208-230	1140	2.90/5.80-5.80	5/8 x 6	11.3
H1052RB	2	460/208-230	1140	3.70/7.40-7.00	5/8 x 6	12.3
H1053RB	1	460/208-230	850	2.60/5.20-5.00	5/8 x 6	12.3
H1054RB	1 1/2	460/208-230	850	3.60/6.70-7.20	5/8 x 6	12.3

Note: It is the responsibility of the installer to properly adjust the drive to the motor for the specific application. The correct volts/Hz settings are application specific and unique to each motor. Failure to perform proper set up can lead to substandard performance and/or premature failure of the system components. All other replacements are not inverter duty.

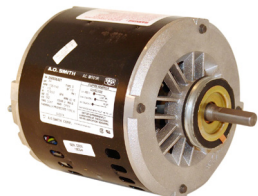
Evaporative Cooler Motors

Applications

- Belt driven evaporative coolers

Features

- Brass current carrying terminal board parts
- Class B insulation
- Continuous oil filtration
- Electro-zinc plated governor parts, dust caps, terminal board cover
- Heavy magnet wire insulation
- High viscosity encapsulating varnish
- Moisture resistance terminal board
- No ventilation openings in the top portion of the frame
- 7 1/2" ring to ring dimension (Split Phase)
- 60 Hertz
- Automatic overload
- NEMA 56Z Frame
- 1.0 Service Factor



Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Enclosure
Century Split Phase											
VB2034	1/3	115	1725	6.50	1	CCWLE	1/2 x 1 5/8	9.45	Split Phase	Ball	Open drip proof
SVB2034	1/3-1/10	115	1725/1140	6.50/3.60	2	CCWLE	1/2 x 1 5/8	9.45	Split Phase	Ball	Open drip proof
VB2054	1/2	115	1725	7.80	1	CCWLE	1/2 x 1 5/8	9.45	Split Phase	Ball	Open drip proof
SVB2054	1/2-1/6	115	1725/1140	8.50/4.10	2	CCWLE	1/2 x 1 5/8	9.45	Split Phase	Ball	Open drip proof
SVB2054H	1/2-1/6	230	1725/1140	4.40	1	CCWLE	1/2 x 1 5/8	9.45	Split Phase	Ball	Open drip proof
VB2074	3/4	115	1725	10.60	1	CCWLE	1/2 x 1 5/8	9.45	Split Phase	Ball	Open drip proof
SVB2074	3/4-1/4	115	1725/1140	10.50/5.00	2	CCWLE	1/2 x 1 5/8	9.45	Split Phase	Ball	Open drip proof
SVB2074H	3/4-1/4	230	1725/1140	5.60/2.80	2	CCWLE	1/2 x 1 5/8	9.45	Split Phase	Ball	Open drip proof
Century Capacitor Start											
SV2104L	1-1/3	115	1725/1140	12.70/7.60	1	CCWLE	1/2 X 1 5/8	12.1	Capacitor Start	Sleeve	Open
SV2104HL	1-1/3	230	1725/1140	6.40/3.90	2	CCWLE	1/2 X 1 5/8	12.1	Capacitor Start	Sleeve	Open

48/56 Frame, Split Phase Belt Drive Fan And Blower Motors

Applications

- Centrifugal pumps, belt drive furnace blowers, fans

Features

- 40°C ambient
- Continuous duty
- 5/8 inch shaft adapter and key included
- Resilient base has 48 and 56 Frame mounting holes
- Full Service Factor ratings
- Class B insulation
- Electrically reversible
- Open drip proof enclosure
- 5 5/8 inch diameter
- Split phase
- Automatic overload
- 60 Hertz
- Single speed



Item ID	H.P.	Volts	RPM	Amps	Rotation	Service Factor	Shaft Dimension (In.)	Length Less Shaft (In.)	Frame	Bearings	Replaces
Packard - Single Voltage											
45014	1/4	115	1725	4.80	Reversible	1.35	1/2 x 1 7/8	6 3/4	48/56	Sleeve	Emerson 8000 GE 4701 Marathon B206
45013	1/3	115	1725	6.60	Reversible	1.35	1/2 x 1 7/8	6 3/4	48/56	Sleeve	Emerson 8100 GE 4706 Marathon B207
45012	1/2	115	1725	8.30	Reversible	1.25	1/2 x 1 7/8	7 3/4	48/56	Sleeve	Emerson 8200 GE 4708 Marathon B208
Packard - Dual Voltage											
45014D	1/4	115/208-230	1725	4.60/2.20-2.10	Reversible	1.30	1/2 x 1 7/8	6.75	48/56	Ball	Marathon B303
45013D	1/3	115/208-230	1725	6.60/3.40-3.10	Reversible	1.35	1/2 x 1 7/8	6.75	48/56	Ball	Marathon B305
45012D	1/2	115/208-230	1725	7.60/3.70-3.80	Reversible	1.25	1/2 x 1 7/8	8.58	48/56	Ball	Marathon B307
45230D	3/4	115/208-230	1725	11.60/5.90-5.80	Reversible	1.25	5/8 x 1 7/8	10.55	56H	Ball	Marathon 56S17D2060

Split Phase Resilient Base Motors



Features

- Continuous duty
- Resilient base mounting
- Reversible rotation
- 40°C ambient
- Open and open drip proof enclosure
- Automatic overload
- Split phase
- 60 Hertz
- Single phase

Item ID	H.P.	Volts	RPM	Full Load Amps	Service Factor	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Enclosure	Diameter (In.)	Frame	Notes
Century Single Voltage												
GF2014	1/6	115	1725	4.90	1.35	1/2 x 1 5/8	7.30	Sleeve	Open	5 5/8	48/56	3 266
GF2024	1/4	115	1725	5.40	1.35	1/2 x 1 5/8	7.50	Sleeve	Open Drip Proof	5 5/8	48/56	3 266
GF2034	1/3	115	1725	6.80	1.35	1/2 x 1 5/8	7.80	Sleeve	Open	5 5/8	48/56	3 266
GF2054	1/2	115	1725	8.00	1.25	1/2 x 1 5/8	8.30	Sleeve	Open Drip Proof	5 5/8	48/56	3 266
GK2074	3/4	115	1725	12.20	1.25	5/8 x 1 7/8	8.80	Sleeve	Open	6 1/2	56	
Century Dual Voltage												
GF2024D	1/4	115/208-230	1725	5.20/2.60	1.35	1/2 x 1 5/8	7 1/2	Sleeve	Open	5 5/8	48/56	266
GF2034D	1/3	115/230	1725	6.40/3.20	1.35	1/2 x 1 5/8	7 1/3	Sleeve	Open	5 5/8	48/56	196 266
GF2054D	1/2	115/208-230	1725	8.20/4.10	1.25	1/2 x 1 5/8	8 1/3	Sleeve	Open	5 5/8	48/56	266
F681	3/4	230/115	1725	5.20/10.40	1.25	5/8 x 1 7/8	9.50	Sleeve	Open Drip Proof	6 1/2	56	
GK2104DV1	1	115/230	1725	15.60/7.80	1.25	5/8 x 1 7/8	10.30	Sleeve	Open	6 1/2	56	

Notes:

3. 5/8" Shaft adapter and key Included
196. Suitable for 208 volts @ 1.0 service factor

266. 48/56 FR = 1/2" X 1 1/2" shaft with 5/8" shaft adapter - 48/56 slotted 3" height base

Capacitor Start Resilient Base Motors



Features

- Capacitor start, dual voltage
- Single speed
- Resilient base mounting
- Reversible rotation
- Ball bearings
- Automatic overload
- 56 Frame
- 60 Hertz
- Single phase
- Class B insulation

Item ID	H.P.	Volts	RPM	Full Load Amps	Service Factor	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Diameter (In.)	Frame	Enclosure	Notes
Century												
C412V1	1/2	115/208-230	1725	9.00/4.00-4.50	1.25	5/8 x 2	9 1/8	Ball	6 1/2	56	Open Drip Proof	205
C426V1	3/4	115/208-230	1725	11.00/5.40-5.50	1.25	5/8 x 2	9 1/8	Ball	6 1/2	56	Open Drip Proof	205
C523V1	1	115/208-230	1725	12.60/6.20-6.30	1.15	5/8 x 2 3/8	9 1/2	Ball	6 1/2	56Z	Open Drip Proof	205 510

Notes:

205. Extended thru bolts, shaft end only

510. 5/8" keyed shaft - 2.31" long

Permanent Split Capacitor Oil Burner Motor



Features

- Direct replacement for Beckett 21805U as well as a suitable replacement for many other oil burner motors
- Easy installation with new flange style
- 18 1/2 Inch lead sets
- Continuous duty
- Automatic thermal protection
- Class F insulation
- 40°C ambient
- UL and CSA recognized
- Open shaft end bracket
- Totally Enclosed

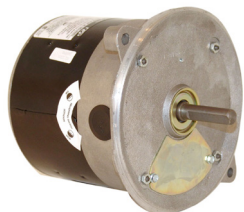
Replaces

Beckett 21805U	GE 4777
Emerson 3083	Marathon 0700
Emerson 3248	Nordyne 621945
Emerson 3274	Rotom R21805U

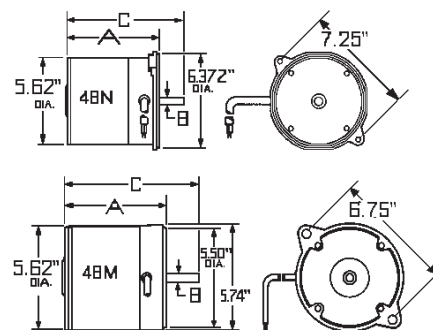
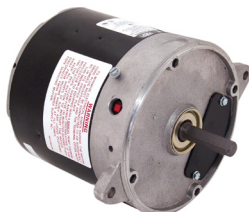
Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearing	Frame	Mounting	Flange Material	Flange Type	Hertz	Capacitor Included
Century															
OBK6002V1	1/7	115	3450	1.80	1	CWOSE	1/2 x 1 7/8	PSC	Ball	48M	Flange	Aluminum	Ventilated	60	20MFD/250V

Split Phase Oil Burner Motors

N Flange



M Flange



Features

- Continuous duty
- Totally enclosed
- 40°C ambient
- 5 5/8 Inch diameter
- Split phase
- Manual reset overload
- Single speed
- 60 Hertz
- Single phase

Item ID	H.P.	Volts	RPM	Approximate Full Load Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Frame	Mounting
Century										
EL2004V1	1/8	115	1725	2.50	Reversible	1/2 x 1 13/16	5 1/4	Sleeve	48N	N Flange
EL2002	1/7	115	3450	2.50	Reversible	1/2 x 1 13/16	5 1/2	Sleeve	48M	M Flange
EL2002V1	1/7	115	3450	2.50	CCWOSE	1/2 x 1 13/16	5 1/2	Sleeve	48M	M Flange
XEL2014	1/6	115	1725	3.20	Reversible	1/2 x 1 13/16	5 3/4	Sleeve	48N	N Flange
EL2012	1/6	115	3450	2.70	Reversible	1/2 x 1 13/16	6	Sleeve	48M	M Flange
EL2014V1	1/6	115	1725	3.20	Reversible	1/2 x 1 13/16	5 3/4	Sleeve	48N	N Flange
EL2022	1/4	115	3450	3.40	Reversible	1/2 x 1 13/16	6 3/4	Sleeve	48N	N Flange
EL2024	1/4	115	1725	3.70	Reversible	1/2 x 1 13/16	6 3/4	Sleeve	48N	N Flange

Hot Water Circulator Pump Motors

With Cushion Rings

Base Included



Features

- Replacement motors for use on hot water circulator pumps by Bell and Gossett, Armstrong, Taco and others
- Sleeve and ball bearings
- Cushion rings and base included
- For use with adjustable base
- Special red paint
- Open drip proof
- Automatic overload
- 60 Hertz
- Single phase

Item ID	H.P.	Volts	RPM	Full Load Amps	Service Factor	Rotation	Bearings	Hub to Hub	Shaft Dimension (In.)	Frame	Mounting Type	Replaces
Century												
HW20084L	1/12	115	1725	2.70	1.00	CCWLE	Sleeve	7 5/8	1/2 x 1/2 flat	48YZ	Cushion Rings	Armstrong Bell & Gossett
OTA2004	1/12	115	1725	2.90	1.00	Reversible	Sleeve	6 1/8	1/2 x 7/8 flat	48Y	Cushion Rings	Taco
OBG2004 *	1/8	115	1725	3.10	1.00	Reversible	Sleeve	—	1/2 x 5/8 set screw	48Y	Base Included	Bell & Gossett
HW2014L	1/6	115	1725	3.60	1.35	CWLE	Sleeve	7 5/8	1/2 x 5/8 flat	48YZ	Cushion Rings	Armstrong Bell & Gossett
HW2014V1L	1/6	115	1725	3.60	1.00	CWLE	Sleeve	7 7/8	1/2 x 5/8 flat	48YZ	Cushion Rings	Armstrong Bell & Gossett
C240	1/2	115/230	1725	7.20/3.60	1.25	Reversible	Sleeve	8 7/8	5/8 x 1 7/8 flat	56Y	Cushion Rings	Taco
C242	1/2	115/230	1725	7.20/3.60	1.25	Reversible	Sleeve	9 3/4	5/8 x 1 3/8 flat	56Y	Cushion Rings	Armstrong
C241	1/2	115/230	1725	9.60/4.80	1.25	CWLE	Sleeve	9	5/8 x 1 1/8 flat	56Y	Cushion Rings	Bell & Gossett
C243	3/4	115/230	1725	11.80/5.90	1.25	CWLE	Sleeve	9	5/8 x 1 1/8 flat	56Y	Cushion Rings	Bell & Gossett
C233	3/4	115/230	1725	10.40/5.20	1.30	Reversible	Sleeve	9 3/4	5/8 x 1 3/8 flat	56Y	Cushion Rings	Armstrong
C244	3/4	115/230	1725	10.40/5.20	1.30	Reversible	Sleeve	9 7/16	5/8 x 1 7/8 flat	56Y	Cushion Rings	Taco
C247	1	230/115	1725	6.50/13.00	1.25	Reversible	Sleeve	9 5/8	5/8 x 1 7/8 flat	56Y	Cushion Rings	Taco
C245	1	230/115	1725	6.50/13.00	1.25	Reversible	Sleeve	9 3/4	5/8 x 1 3/8 flat	56Y	Cushion Rings	Armstrong
C246	1	230/115	1725	6.50/13.00	1.25	Reversible	Sleeve	9 3/8	5/8 x 1 1/8 flat	56Y	Cushion Rings	Bell & Gossett
C248	1 1/2	230/115	1725	7.50/15.00	1.20	Reversible	Ball	10 1/5	5/8 x 1 7/8 flat	56Y	Cushion Rings	Taco

Notes:

* Suitable replacement for 1/12 HP and 1/10 HP

Three Phase Hot Water Circulator Pump Motors



H946
H982
H984
H985
H986
H987



H988

Features

- Cushion ring mounting
- Bell and Gossett, Armstrong and Taco replacement motors
- Sleeve and ball bearings
- No base
- Three phase
- Special red paint
- Open drip proof
- No protector

Item ID	H.P.	Volts	RPM	Full Load Amps	Service Factor	Bearings	Hub to Hub	Shaft Dimension (In.)	Frame	Hertz	Replaces
Century											
H982	3/4	208-230/460	1800	2.50-2.60/1.30	1.30	Sleeve	9.43	5/8 x 1 7/8	56Y	60	Taco
H984	1	208-230/460	1800	3.40-3.40/1.70	1.25	Sleeve	9.82	5/8 x 1 3/8	56Y	60	Armstrong
H985	1	208-230/460	1800	3.40-3.40/1.70	1.25	Sleeve	9.38	5/8 x 1 1/8	56Y	60	Bell & Gossett
H946	1	208-230/460	1800	3.40-3.40/1.70	1.25	Sleeve	9.43	5/8 x 1 7/8	56Y	50/60	Taco
H986	1 1/2	208-230/460	1800	4.80-5.00/2.50	1.15	Sleeve	9.62	5/8 x 1 3/8	56Y	60	3N826 Armstrong Bell & Gossett
H987	2	208/230/460	1800	6.30-6.40/3.20	1.15	Ball	9.71	5/8 x 1 7/8	56Y	60	Taco
H988	3	208/230/460	1800	4.40/9.00-8.80	1.15	Ball	11.70	7/8 x 2 1/4	56Y	60	Taco

Square Flange Pool Pump Motors



Features

- Used on many Sta-Rite, Red Jacket, Pac Fab, American Products and Sears jet and pool pumps
- High and low service factors
- Open drip proof enclosure
- Sealed ball bearings
- CCW pump end rotation
- 303 Stainless steel threaded shaft
- 50°C ambient
- Square flange mounting
- Capacitor start
- 3450 RPM
- Automatic overload
- 60 Hertz
- Single speed
- Single phase

Item ID	H.P.	Volts	Max Amps	Service Factor	Frame	Notes
Century Square Flange/High Service Factor (Full Rated)						
SQ1032	1/3	115/230	9.90/5.00	1.95	48Y	
SQ1052	1/2	115/230	13.40/6.70	1.90	48Y	
QC1052	1/2	115/230	9.60/4.80	1.90	48Y	199
SQ1072	3/4	115/230	15.30/7.60	1.65	48Y	
QC1072	3/4	115/230	12.60/6.30	1.65	48Y	199
SQ1102	1	115/230	19.20/9.60	1.65	48Y	
QC1102	1	115/208-230	16.00/8.00	1.65	48Y	199
SQ1152	1 1/2	230	10.40	1.47	48Y	199
SQ1202	2	230	11.20	1.30	48Y	199
SQ1302V1	3	230	15.40	1.15	56Y	199
Century Square Flange / Low Service Factor (Up-Rated)						
USQ1052	1/2	115/230	9.90/5.00	1.30	48Y	
USQ1072	3/4	115/230	13.40/6.70	1.27	48Y	
USQE1072	3/4	115/230	11.80/5.90	1.27	48Y	452
UQC1072	3/4	115/230	9.60/4.80	1.27	48Y	199
USQ1102	1	115/230	15.30/7.60	1.25	48Y	
UQC1102	1	115/230	12.60/6.30	1.25	48Y	199
USQE1102	1	115/230	14.80/7.40	1.25	48Y	452
USQ1152	1 1/2	115/230	19.20/9.60	1.10	48Y	
USQE1152	1 1/2	115/230	19.20/9.60	1.10	48Y	452
UQC1152	1 1/2	115/230	16.00/8.00	1.10	48Y	199
USQ1202	2	230	10.40	1.10	48Y	199
USQ1252	2 1/2	230	11.20	1.00	48Y	199

Notes:

199. \$ Energy efficient capacitor start, capacitor run Conservationist motor
452. eMod equipped motor

NEMA C Face Pool Pump Motors

Total output (HP x service factor) of replacement motor must equal or exceed motor being replaced



Features

- Sealed ball bearings
- Sealed switch design
- 50°C ambient
- 3450 RPM
- Not reversible
- Capacitor start and capacitor start-capacitor run
- NEMA "56C" face mount
- 303 Stainless shaft (56J (threaded shaft) and 56C (keyed shaft))
- 304 Ball bearing on shaft end
- High service factor (full rated)
- Standard efficiency and high efficiency design (conservationist)
- Open drip proof enclosure
- Automatic overload
- CCWPE rotation
- "1081" Design
- 60 Hertz
- Single speed
- Single phase

Item ID	H.P.	Volts	Max Amps	Service Factor	Frame	Notes
Century NEMA C Face Pool Filter Motors						
SK1052	1/2	115/230	10.60/5.30	1.60	56C	
CK1052	1/2	115/230	8.00/4.00	1.60	56C	199
ST1052	1/2	115/230	11.00/5.50	1.60	56J	
CT1052	1/2	115/230	8.00/4.00	1.60	56J	199
SK1072	3/4	115/230	14.60/7.30	1.50	56C	
CK1072	3/4	115/230	11.00/5.50	1.50	56C	199
ST1072	3/4	115/230	15.00/7.50	1.50	56J	
CT1072	3/4	115/230	11.00/5.50	1.50	56J	199
SK1102	1	115/230	17.00/8.50	1.50	56C	
CK1102	1	115/230	13.60/6.80	1.40	56C	199
ST1102	1	115/230	18.60/9.30	1.50	56J	
STE1102	1	115/230	18.60/9.30	1.50	56J	452
CT1102	1	115/230	13.60/6.80	1.40	56J	199
SK1152	1 1/2	115/230	19.40/9.70	1.30	56C	199
ST1152	1 1/2	115/208-230	19.60/10.40-9.80	1.50	56J	199
SK1202	2	230	11.20	1.30	56C	199
ST1202	2	208-230	12.60-11.40	1.30	56J	199
ST1302V1	3	208-230	14.50-13.80	1.15	56J	199

Notes:

199. \$ Energy efficient capacitor start, capacitor run Conservationist motor
452. eMod equipped motor



Evergreen EM

Replace 100s of Different OEM X13 ECM Models

Evergreen **EM** is Designed to replace direct-drive blower motors in residential and light commercial indoor furnaces, air handlers, and package systems that were designed with a standard ECM motor, such as an X13 or equivalent competitor model.

Features

- Multi-speed, constant torque, brushless DC motor
- Available in 1/3, 1/2, 3/4 and 1HP ratings
- Automatically determines motor rotation direction
- 5 discrete speeds using 24VAC (3 using 18VDC)
- Operating speed range of 600-1200 rpm
- NEMA 48-frame (5.6 inch diameter) Belly Band Mount with 5-inch long 1/2 inch diameter shaft
- UL and CSA recognized component.
- Standard ECM Replacement (Does not replace premium ECM constant airflow products such as Eon, 3.0, 2.3, and 2.5)
- Maintains ECM-level Efficiency up to 80%
- Soft Start and Off Ramp for quiet operation
- Electronic Overload Protection



Scan for more info



Item ID	H.P.	Volts	RPM	Amps	Rotation	Dim A (In.)	Dim B (In.)
genteq - Evergreen EM Motors							
6103E	1/3	115	600-1200	4.8	CCW/CW	10.17	5.25
6203E	1/3	208/230	600-1200	2.8	CCW/CW	10.17	5.25
6105E	1/2	115	600-1200	6.8	CCW/CW	10.67	5.75
6205E	1/2	208/230	600-1200	4.1	Auto Sensing	10.67	5.75
6107E	3/4	115	600-1200	8.4	Auto Sensing	11.42	6.5
6207E	3/4	208/230	600-1200	6	Auto Sensing	11.42	6.5
6110E	1	115	600-1200	10.9	Auto Sensing	12.17	7.25
6210E	1	208/230	600-1200	7.6	Auto Sensing	12.17	7.25



See page 231
GA447
ECM Tester

Evergreen IM

Energy Savings . Quiet Operation Comfort . Indoor Air Quality

Evergreen **IM** is a high-efficiency ECM replacement motor that is designed to replace factory PSC blower motors in HVAC systems including fossil fuels, electric heat, A/C, heat pump, dual fuel and geothermal; does not replace variable speed or X13 ECM motors.

Evergreen uses up to 25% fewer watts in operating mode and up to 74% fewer Watts than a PSC motor in constant fan.

Features

- Two Motors cover most applications
- Multi-volt 115/230VAC, 50/60 Hertz
- Integrated with HVAC system controls/operation
- Four speed selections for heating and cooling
- Optimized constant fan speed
- 1/2 inch diameter flat shaft
- CW/CCW rotation
- 5.5 inch diameter
- Automatic overload protection
- Ball bearing
- Open enclosure
- Band mounting
- Continuous duty



Item ID	H.P.	Volts	RPM	Amps	Replaces
genteq - Evergreen IM Motors					
6005	1/5, 1/4, 1/3, 1/2	115/230	1070	6.70/4.00	GE 5SME39HXL110
6010	1	115/230	1070	11.00/6.70	GE 5SME39SXL111



Scan for more info



Item ID	Mounting I.D. (In.)
genteq - Evergreen Belly Band Mounting Kit	
5K003	10
5K004	11
5K005	13



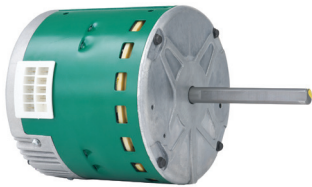
Evergreen CM

ECM Replacement for Commercial VAV Boxes

Evergreen CM replaces standard 48 frame motors in VAV systems enhancing the ability of energy efficient systems to qualify for government rebate programs. With slow ramp up and ramp down there is less system noise and greater occupant comfort.

Features

- Variable speed, constant torque, brushless DC motor
- 277V AC single-phase input, 50/60Hz
- Designed for direct-drive blower replacement applications in commercial building systems
- Standard CCW Rotation (CW Rotation option available)
- 5 discrete speeds using 24VAC (3 using 18VDC); 600-1200 RPM
- Efficiency up to 80%
- Ready for Building Automation System Control interface using a PWM speed controller
- Constant torque with better External Static Pressure Control than standard PSC motors.
- Soft Start and Off Ramp for quieter operation



Item ID	H.P.	Volts	RPM	Amps	Rotation	Dim A (In.)	Dim B (In.)
genteq - Evergreen CM Motors							
6703	1/3	208-230/277	600-1200	2.8	Auto Sensing	9.17	5.25
6705	1/2	208-230/277	600-1200	4.1	Auto Sensing	9.67	5.75
6707	3/4	208-230/277	600-1200	6	Auto Sensing	10.42	6.5
6710	1	208-230/277	600-1200	7.6	Auto Sensing	11.17	7.25

Comfort Select™ ~ FB ECM Motors**High Efficiency Furnace Blower Motors Utilizing ECM Technology**

Comfort Select~FB motors offer ultra quiet operation, premium air quality, and Green Choice® technology resulting in comfort for the home and comfort for the environment. Designed to replace PSC motors in residential and light commercial indoor blower applications.

Features

- Available in 1/2 HP and 1 HP configurations to replace 1/4 HP to 1 HP 6-pole PSC motors
- Rated for operation in 50°C ambient in a continuous air-over environment
- Advanced motor protection provides greater operating life and increased reliability
- Connects directly to the Control Board same as the PSC motor was connected
- Five speed taps provide speed-torque profiles similar to multi-speed PSC motors
- Automatic detection of correct rotation for both backward and forward curved blowers
- Peak efficiency up to 82%
- Class F motor insulation



Item ID	H.P.	Volts	RPM	Amps	Replaces
Century - Comfort Select ~ FB ECM Motors					
CS1056	1/2	208-277	1100-600	3.60-3.00	Emerson 5531ET
CS1106	1	208-277	1100-600	6.90-5.70	Emerson 5551ET

ARKTIC™ 142 Motor**Features**

- Shaft water slinger
- 26 inch cord set attached to motor
- Horizontal - vertical down orientation desired
- Totally enclosed, Non-vented (air-over ECM required)
- Designed for 50 or 60 Hertz operation
- RoHS compliant NEMA 48 Frame electronically commutated motor

Applications

- Designed primarily for use in the evaporator of commercial refrigeration and walk-in coolers and freezers as well as outdoor condensers, but can be used in many applications demanding high efficiency and dependability with output ratings between 1/5 - 1 H.P. including parallel rack fan motors.



Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings
Morrill Motors									
5R007	1/3	230	1075	2.60-3.50	1	CCW	1/2 x 4	10	Ball



Drop In Replacements For Commercial Refrigeration Evaporator Fan Motors



Features

- Energy savings ECM design
- Ball bearings
- 60 Hertz
- Replaces Heatcraft, Bohn, Chandler, Climate Control and Larkin
- 42 Frame
- Class B insulation
- Four mounting studs on each end
- Includes Lyall plug
- Replaces 1/15, 1/20, 1/25 HP PSC and lower efficient shaded pole designs

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Mounting	Replaces
Packard											
97801	1/15, 1/20, 1/25	120	1625	1.20	1	CWSE	5/16 x 2.95	2.85	Ball	Stud	Heatcraft 22617801 Heatcraft 22618001 Heatcraft 25307801 Heatcraft 25308001
97701	1/15, 1/20, 1/25	230	1625	0.70	1	CWSE	5/16 x 2.95	2.85	Ball	Stud	Heatcraft 22617701 Heatcraft 22617901 Heatcraft 25307701 Heatcraft 25307901

3.3 Inch Diameter Electronically Commutated Motors



Manufactured by



Features

- Commercial refrigeration walk-in coolers and freezers, air-moving applications demanding high efficiency and dependability
- Efficiencies up to three times higher than shaded pole motors and 40% higher than PSC
- Ball bearing with low temperature grease
- Standard thru-bolt configuration
- All angle mount
- Totally enclosed, air over
- Rotation viewed opposite shaft end (OSE)
- Water Slinger
- Automatic overload
- 50/60 Hertz
- Single phase
- Single speed

Item ID	H.P.	Volts	RPM	Amps	OSE Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Enclosure	Mounting	Replaces
Morrill Motors - Arctic 59 Model											
35100	1/15	115	1550	1.30	CW	5/16 x 4 1/8	2 5/8	Ball	Totally Enclosed	Front or Rear Thru-Bolt	Larkin 253-1194
35101	1/15	115	1550	1.30	CCW	5/16 x 4 1/8	2 5/8	Ball	Totally Enclosed	Front or Rear Thru-Bolt	Bohn 5008S
35103	1/15	115	1550	1.30	CW	5/16 x 4 1/8	2 5/8	Ball	Totally Enclosed	Front (Shaft End) Only	GE 5SME59BLA1060
35102	1/15	115	1550	1.30	CCW	5/16 x 4 1/8	2 5/8	Ball	Totally Enclosed	Front (Shaft End) Only	GE 5SME59BLA1058
35200	1/15	208-230	1550	0.80	CW	5/16 x 4 1/8	2 5/8	Ball	Totally Enclosed	Front or Rear Thru-Bolt	Larkin 253-1195
35201	1/15	208-230	1550	0.80	CCW	5/16 x 4 1/8	2 5/8	Ball	Totally Enclosed	Front or Rear Thru-Bolt	Bohn 5008T
35203	1/15	208-230	1550	0.80	CW	5/16 x 4 1/8	2 5/8	Ball	Totally Enclosed	Front (Shaft End) Only	GE 5SME59BLA2061
35202	1/15	208-230	1550	0.80	CCW	5/16 x 4 1/8	2 5/8	Ball	Totally Enclosed	Front (Shaft End) Only	GE 5SME59BLA2059



Electronically Commutated Motors

ECR ONE
 Constant Torque Motor


Item ID	Watts	Volts	RPM	Amps	Hertz
ECR ONE					
ECR01A0241	9	115	1550	0.23	60
ECR01A0102	12	115	1550	0.31	60
ECR01A0243*	16	115	1550	0.41	60

*7 Drilled and tapped inserts for mounting.

ECR UltraSynch™
 Constant Speed Motor


Item ID	Watts	Volts	RPM	Amps	Hertz
ECR UltraSynch™					
ECR92PJA12	9-16	120	1800	0.34	60

Applications

- Supermarket refrigeration, vending machines and other condenser and evaporator fan applications

Features

- Drop in replacement for shaded pole and PSC motors
- Electronically commutated motors with integrated electronic control
- ECR up to 70%; UL approved
- IP55 moisture and dust protection
- Totally enclosed, ball bearings, CCWSE rotation, can be mounted in any position.
- Operating temperature of ECR ONE motors: -22°F to +122°F
- Operating temperature of ECR UltraSynch motors: -22°F to +104°F
- Motors are built using 30% less copper and 80% less steel for a greener, more affordable solution.
- ECR UltraSynch motor includes Lyall plug.
- **ECR ONE is a constant torque motor and will replace a shaded pole motor of matching wattage using the same fan blade.**
- **ECR UltraSynch is a constant speed motor operating at 1800 RPM over a wide range of voltage and load conditions. The correct fan blade must be specified to properly balance air flow.**

High Efficient Motors - ECM-IP Series



ECHE0147
ECHE0176
ECHE0182



ECHE0170

**Features**

- Electronically commutated - 115V, 50/60Hz
- Moisture protection: IP65
- Front mount: M4 studs on 3.72" B.C. for shroud / guard
- Drop-in replacement for front mount shaded pole / ECM
- CCW rotation from the shaft end
- All angle mount
- Totally enclosed
- Continuous air over
- Long-life sealed ball bearings

Item ID	Watts	Volts	RPM	Amps	Rotation	Length Less Shaft (In.)	Cord Length (In.)	Terminal / Plug	Replaces
Elco									
ECHE0147	12	115	1450	0.18	CCWSE	3.61	14	3 pin 90°	EDA12153UC0147 34410013 34410009 24681010
ECHE0170	12	115	1450	0.18	CCWSE	3.33	14	3 pin 90°	EDA12153UN0170 34410012 (For Fan 34415010)
ECHE0176	15	115	1600	0.22	CCWSE	4.00	16	2 pin 90°	EDA15253UC0176 P078449H
ECHE0182	10	115	1550	0.19	CCWSE	3.61	16	2 pin 90°	EDA10153UC0182 P079441C P066237A



EM&S Unitronix Unit Bearing ECM Motors



Features

- Patented EMS electronically commutated motor technology
- Drop in replacements for shaded pole and PSC unit bearing motors
- Utilizes traditional cast iron unit bearing design for proven, trouble free long life
- Up to 70% efficient
- Low heat rise maximizes system efficiency
- Maintains constant speed over a wide range of fan applications
- Special patented water protection package
- 60/50 Hz
- Includes Lyall plug
- Rotation determined viewing lead end
- 13 mounting holes
- UL and cUL recognized



Item ID	Watts	RPM	Volts	Amps	Rotation	Mounting Holes	Replaces
Electric Motor & Specialties							
15621	6-12	1550	115	0.2 - 0.3	CWLE	5 REAR HOLES	Hussman, Hill, Kysor/Warren
15624	14-16	1550	115	0.47 - 0.58	CWLE	5 REAR HOLES	Hussman, Hill, Kysor/Warren



Applications

- Commercial refrigeration walk in coolers and freezers, air moving applications demanding high efficiency

Features

- Electronically commutated motor
- Drop in replacements for 3.3" Diameter Shaded Pole & PSC Motors
- Includes Lyall plug
- Unit Bearing
- Standard thru bolt configuration
- Totally enclosed, air over
- Rotation determined viewing the shaft end
- Automatic overload
- Efficiencies up to 3 times higher than shaded pole motors and 40% higher than PSC



Item ID	H.P.	RPM	Volts	Amps	Rotation	Mounting Holes	Replaces
Electric Motor & Specialties							
15211	1/15-1/25	1550	115	1.25	CWSE	4 STUDS SE	Heatcraft, Bohn, and Krack
15212	1/15-1/25	1550	115	1.25	CCWSE	4 STUDS SE	Heatcraft, Bohn, and Krack
15221	1/15-1/25	1550	230	0.77	CWSE	4 STUDS SE	Heatcraft, Bohn, and Krack
15222	1/15-1/25	1550	230	0.77	CCWSE	4 STUDS SE	Heatcraft, Bohn, and Krack

Solid State Commutated Unit Bearing Motors



10012
10013
10020
10022
20020
20022



10035
10036
10040



10042



10050
10052

Features

- Direct drop-in replacements
- Ultimate commutated technology
- Unit bearing construction
- 100% performance tested
- Includes Lyall plug
- Rotation is determined by viewing opposite shaft end
- Peak efficiencies in excess of 80% means lower operating temperatures and extended motor life
- Constant 1550 RPM operating speed is identical on either 50 or 60 Hertz
- Constant 1550 RPM regardless of fluctuations in voltage

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Hertz	Notes
Morrill Motors								
10012	6-12	115	1550	0.30	CW	1/4 Threaded	60	554
10013	6-12	115	1550	0.30	CCW	1/4 Threaded	60	554
10020	16-25	115	1575	0.60	CW	1/4 Threaded	60	554
10022	16-25	115	1575	0.60	CCW	1/4 Threaded	60	554
20020	16-25	208-230	1575	0.30	CW	1/4 Threaded	60	554
20022	16-25	208-230	1575	0.20	CCW	1/4 Threaded	60	554
10035	35-50	115	1550	0.90	CW	1/4 Threaded	50/60	
10036	35-50	208-230	1550	0.45	CW	1/4 Threaded	50/60	
10040	35-50	115	1550	0.90	CCW	1/4 Threaded	50/60	
10042	35-50	208-230	1550	0.45	CCW	1/4 Threaded	50/60	
10050	35-50	115	1550	0.90	CW	3/8 x 1 7/8	50/60	
10052	35-50	208-230	1550	0.45	CW	3/8 x 1 7/8	50/60	

Notes:

554. Includes water shield to protect motor during coil cleaning



10112
10113
10116
10215



10312



10313



10218
10219

Item ID	Watts	Volts	RPM	Amps	Rotation	Plug	Hertz	Foot Pads	Material	Replaces
Morrill Motors										
10112	12	115	1550	0.30	CWLE	Straight 2 Prong Plug	50/60	Double	Aluminum	12CSHEMA1
10215	12	230	1550	0.15	CWLE	Straight 2 Prong Plug	50/60	Double	Aluminum	15CSHEMA2
10312	12	115	1550	0.30	CWLE	90 Degree 2 Prong Plug	50/60	Double	Aluminum	12CSHBV2
10313	12	115	1550	0.30	CWLE	90 Degree 2 Prong Plug	50/60	Double	Aluminum	12CSHEMV1
10113	16	115	1550	0.40	CWLE	Straight 2 Prong Plug	50/60	Double	Aluminum	13CSHEMA1
10116	25	115	1550	0.60	CWLE	Straight 2 Prong Plug	50/60	Double	Aluminum	16SCSHEMA1
10218	38	115	1550	0.90	CCWLE	Straight 2 Prong Plug	50/60	Double	Cast Iron	18AHEMAR1
10219	38	208-230	1550	0.45	CCWLE	Straight 2 Prong Plug	50/60	Double	Cast Iron	19AHMAR2



Electronically Commutated Refrigeration Motors And Fan Kits



Manufactured by

Wellington

Item ID	ECR92950	ECR921200	ECR921400
Replaces	GE FAN PACK 5SME58AAF1430 900 & 950 RPM	GE FAN PACK 5SME58AAF1430 1100 & 1200 RPM	GE FAN PACK 5SME58AAF1430 1300 & 1400 RPM
Includes	• ECR92PJA12 Motor • Mounting Shroud • 8 Inch 15 Degree Fan Blade	• ECR92PJA12 Motor • Mounting Shroud • 8 Inch 25 Degree Fan Blade	• ECR92PJA12 Motor • Mounting Shroud • 8 Inch 28 Degree Fan Blade

58MM ECM Fan Pack



Features

- Includes basket w/ 9.8 inch bolt circle mounting and fan blade
- Lyall plug
- 40° to 55°C ambient operating temperature
- Variable torque, constant speed ECM motors
- Class B Insulation

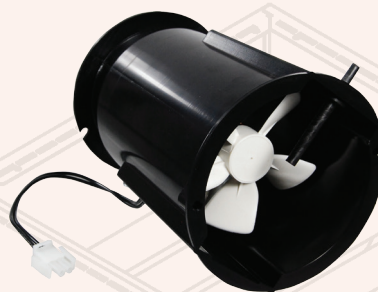
Item ID	H.P.	Volts	RPM	Amps	Speeds	Hertz	Rotation	Bearing	Phase	CFM at 0.05"	Static Pressure	Replaces
Morrill Motors												
5R026	Replaces up to 12W	115	1550	0.3	1	60	CW	Unit Bearing	1	330		3426B, SSC2B12CSHEMA1
5R027	Replaces up to 12W	115	1450	0.4	1	60	CW	Unit Bearing	1	370		3427B, SSC2B13CNHEMA1
5R028	Replaces up to 12W	115	1550	0.4	1	60	CW	Unit Bearing	1	400		3428B, SSC2B13CSHEMA1



Green is good.

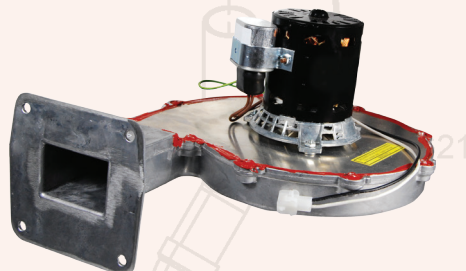
ECM motors offer numerous advantages including long-term energy savings, lower operating temperatures, precise air flow and rugged designs that help increase operational lifespan.

Invest today for savings tomorrow.



THE LARGEST SELECTION OF AFTERMARKET BLOWERS

Packard is continually adding to our vast inventory of blowers and other parts. We have the largest selection in after-market for the most popular OEM's. This includes cost savings of 30-40% over OEM for out of warranty products. Enjoy our great service and cross referencing as well as cost savings along with a user friendly website. See our stock of: Carrier, Rheem, ICP, Lennox and Goodman and many others.



**Packard**

Aladdin Steel

Replaces

7002-2983 230-1460

Item ID A120

H.P.	1/40
Volts	120
RPM	3000
Amps	1.10
Speeds	2
Type	Shaded Pole
Enclosure	Open
Bearing	Ball
Hertz	60



Amana

Replaces

098862-1 D68862-1 D98862-1
7021-9259 7021-9574 7021-9924

Item ID 82862

H.P.	1/35
Volts	208-240
RPM	3000
Amps	0.50-0.59
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic



Amana

Replaces

20190601 7021-9625

Item ID A180

H.P.	1/30
Volts	115
RPM	3400
Amps	1.80
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic



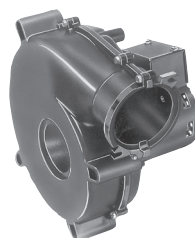
Amana

Replaces

D98686-7 7062-3151

Item ID A158

H.P.	1/25
Volts	115
RPM	3450
Amps	0.70
Speeds	1
Type	PSC
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic



Armstrong

Replaces

40404-003 117521-00

Item ID 66404

Volts	115
RPM	3200
Amps	1.20
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic



Armstrong

Replaces

35035B001

Item ID 80280

H.P.	1/60
Volts	230
RPM	3000
Amps	0.55
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic



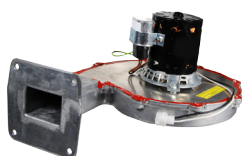
Burnham

Replaces

6116056

Item ID 66056

Volts	115
RPM	3400
Amps	1.0
Speeds	1
Type	PSC
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic
Includes	Gaskets



NEW

Carrier

Replaces

HC24HE230 J238-150-15103

Item ID 65230

Watts	28
Volts	208-230
RPM	3000
Amps	0.80
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic



Carrier



Replaces
HC21ZE117B HC660-005

Item ID	65569
H.P.	25 MHP
Volts	115
RPM	3300
Amps	1.80
Speeds	1
Shaft Dimension (In.)	1 x 5/16 x 1 7/8
Length Less Shaft (In.)	3 3/8
Type	Shaded Pole
Bearings	Ball
Hertz	60
Overload	Automatic



A65569BW
4" x 1.5" CCW
5/16" Bore
Blower Wheel
Replace Carrier LA11AA005

Carrier



Replaces
HC24HE230

Item ID	65570
H.P.	25 MHP
Volts	230
RPM	3000
Amps	0.80
Speeds	1
Shaft Dimension (In.)	1 x 5/16 x 1 7/8
Length Less Shaft (In.)	3 5/8
Type	Shaded Pole
Bearings	Ball
Hertz	60
Overload	Automatic



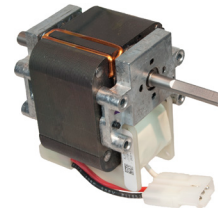
A65569BW
4" x 1.5" CCW
5/16" Bore
Blower Wheel
Replace Carrier LA11AA005

Carrier



Replaces
8251510431 JA1M086 JA1M147
JA1M147N P251-2916

Item ID	82121
H.P.	1/33
Volts	115
RPM	3000
Amps	1.10
Speeds	1
Shaft Dimension (In.)	5/16 x 2 1/8
Length Less Shaft (In.)	3 3/8
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic



BW11046
Blower Wheel
See Page 219

Carrier

Replaces
HC21ZE118

Item ID	65118
H.P.	1/30
Volts	115
RPM	2800/2500
Amps	1.80/0.60
Speeds	2
Type	Shaded Pole
Bearings	Ball
Hertz	60
Overload	Automatic

Carrier



Replaces
48GS400106 48GS400649

Item ID	66649
H.P.	1/16
Volts	208-230
RPM	3450
Amps	0.5
Speeds	1
Rotation	CCW
Type	PSC
Bearings	Ball
Enclosure	Open
Hertz	60



Replaces

HC24AU700 HC24AU710

Item ID	82521
H.P.	1/15
Volts	115/230
RPM	3000
Amps	2.00/1.00
Speeds	1
Rotation	CCW
Shaft Dimension (In.)	1/4 x 2
Length Less Shaft (In.)	6 3/16
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

Notes:
56. Includes 5/16" Shaft Adapter

Carrier



Replaces
HC24AU725B JA1P053 P251-2307

Item ID	82180
H.P.	1/15
Volts	115
RPM	3300
Amps	1.54
Speeds	1
Shaft Dimension (In.)	5/16 x 2 1/8
Length Less Shaft (In.)	3 5/8
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

Carrier

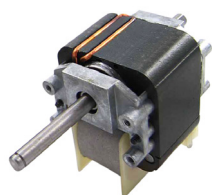
Replaces

HC24AU600 HC24AU600B HC24AO701

Item ID	82520
H.P.	1/15
Volts	115/230
RPM	3000
Amps	2.00/1.00
Speeds	1
Rotation	CW
Shaft Dimension (In.)	1/4 x 2 1/2
Length Less Shaft (In.)	5 5/8
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

Notes:
56. Includes 5/16" Shaft Adapter

Carrier



Replaces

HC21ZE123A

Item ID	65123
Stack Size (In.)	1.50
Volts	115
RPM	3000
Amps	1.50
Rotation	CCWLE
Speeds	1
Type	Shaded Pole
Bearings	Ball
Hertz	60
Overload	Automatic

Coleman Evcon

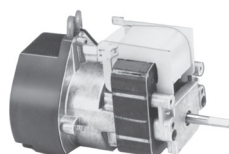


Replaces

373-19801-820 373-19801-821

Item ID	65475
H.P.	1/150
Volts	115
RPM	3315
Amps	0.4
Speeds	1
Rotation	CCWSE
Type	Shaded Pole
Bearings	Ball
Hertz	60
Overload	Automatic

Coleman Evcon



Notes: C-Frame motor with centrifugal switch

Replaces

7990-317P 7102-2187

Item ID	K629
Stack Size (In.)	1
H.P.	1/85
Volts	115
RPM	2950
Amps	0.67
Speeds	1
Rotation	CW
Shaft Dimension (In.)	1/4 x 1 1/8
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

Dunkirk



Replaces

433-00-510

Item ID	82052
H.P.	1/50
Volts	115
RPM	3000
Amps	1.00
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

Fedders



Replaces

031-7059

Item ID	82618
H.P.	1/50
Volts	115/230
RPM	3000
Amps	0.90/0.45
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

Goodman



Replaces

5KSB46GF0001S B4833000

Item ID	48331
Volts	115
RPM	3200
Amps	1.80
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic
Includes	Rubber Boot

Goodman

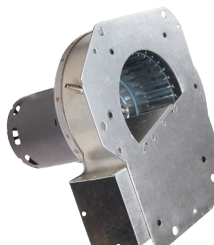


Replaces

5KSB46GF0003S B48330001

Item ID	48332
Volts	115
RPM	3200/2800
Amps	1.80/1.10
Speeds	2
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic
Includes	Rubber Boot

Goodman



Replaces

11009001 11009002 11009003

Item ID	66003
Volts	115
RPM	3250
Amps	0.92
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

Goodman



Replaces

071M00000

Item ID	66071
Stack	1.5
Volts	120
RPM	3000
Amps	2.8
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

Goodman



Replaces

B1859000 B1859000S

Item ID	82483
H.P.	1/50
Volts	115
RPM	3000
Amps	1.00
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

Goodman



Replaces

B2833001S B2833001 7021-9000
7021-9087 FB-RFB140

Item ID	A140
H.P.	1/50
Volts	115
RPM	3400
Amps	1.40
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

Goodman

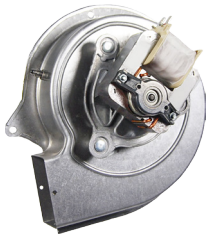


Replaces

B295900 7021-8656

Item ID	A162
H.P.	1/50
Volts	208-230
RPM	3000
Amps	0.50
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

Goodman

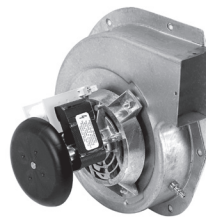


Replaces

0131M00002P 0131M00002S

Item ID	66002
H.P.	1/35
Volts	115
RPM	3000
Amps	1.90
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic
Includes	Gasket

Goodman



Replaces

B4059000 7002-3036

Item ID	A182
H.P.	1/35
Volts	115
RPM	3125
Amps	1.20
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

Goodman



Replaces

B1859005 J238-11128

Item ID	66005
H.P.	1/30
Volts	115
RPM	3000
Amps	1.60
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

Goodman



Replaces

B4059000 J238-112-11195 7002-3036
J238-11195

Item ID	66590
H.P.	1/30
Volts	115
RPM	3000
Amps	1.50
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

Heat n' Glow



Replaces

7002-1241

Item ID	A133
Volts	115
RPM	3000
Amps	1.20
Speeds	1
Type	Shaded Pole
Enclosure	Open
Hertz	60

Heil-Quaker



Replaces

608971

Item ID	A064
H.P.	1/55
Volts	115
RPM	3150
Amps	0.70
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

ICP



Replaces

1012002 1013388A
1014338

Item ID	66338
H.P.	50 MHP
Volts	115
RPM	3000
Amps	2.40
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Totally Enclosed
Hertz	60
Overload	Automatic

ICP



Replaces

1010324 1010238P
1013833

Item ID	66833
H.P.	28 MHP
Volts	115
RPM	3000
Amps	1.60
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

ICP



Replaces

1006168

Item ID	82672
H.P.	1/60
Volts	115
RPM	3300
Amps	0.90
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

ICP

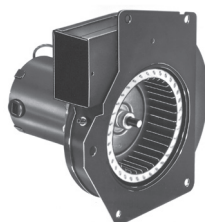


Replaces

1110008 1085571 1085571P
7021-10048 7021-10580

Item ID	66254
H.P.	1/50
Volts	230
RPM	3000
Amps	0.30
Speeds	1
Type	PSC
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

ICP



Replaces

1054268P 7021-7617 7021-9237
HQ1054268FA

Item ID	A148
H.P.	1/50
Volts	208-230
RPM	3000
Amps	0.50
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

ICP



Replaces

1010975 1010975P

Item ID	A172
H.P.	1/35
Volts	115
RPM	3000
Amps	1.60
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

ICP



Replaces

1054268P

Item ID 82148

H.P.	1/30
Volts	208-230
RPM	3000
Amps	0.50
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

ICP



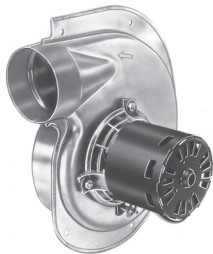
Replaces

1000814 1001371 1001609 1002543
1007360 1011350 1150474 HQ1011350

Item ID 66350

H.P.	1/25
Volts	115
RPM	3350
Amps	0.92
Speeds	1
Type	PSC
Bearings	Ball
Enclosure	Open
Overload	Automatic
Hertz	60
Includes	5MFD Capacitor

ICP



Replaces

1010238P 1010324 1708-607
1708-607P R7-RFB134 7021-7700
7021-8735 7021-8736 7021-9335

Item ID A134

H.P.	1/25
Volts	115
RPM	3060
Amps	1.50
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

ICP



Replaces

1010312 1010526 1010928
1011095 1011097 1011409
1164280

Item ID A170

H.P.	1/25
Volts	115
RPM	3400
Amps	2.30
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

ICP



Replaces

1010491 1010527P 1011096
1011410

Item ID A171

H.P.	1/25
Volts	115
RPM	3450
Amps	0.70
Speeds	1
Type	PSC
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

ICP



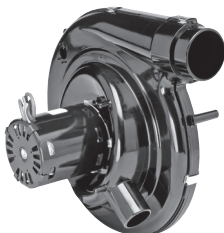
Replaces

1149097 1008416P

Item ID A307

H.P.	1/24
Volts	115
RPM	3450
Amps	0.70
Speeds	1
Type	PSC
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

ICP



Replaces

1011350 HQ1011350
HQ1011350FA R7-RFB350

Item ID A173

H.P.	1/18
Volts	115
RPM	3450
Amps	0.80
Speeds	1
Type	PSC
Enclosure	Open
Bearings	Ball
Hertz	60
Overload	Automatic

Johnson



Replaces

8973C 66HWC301

Item ID 80280

H.P.	1/50
Volts	230
RPM	3000
Amps	0.55
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic



Lennox

Replaces

47H12 LB-82590CA

Item ID 82590

Volts	115
RPM	3000
Amps	1.20
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic



Lennox

Replaces

88K8401 J238-087-8171

Item ID 66401

H.P.	1/60
Volts	120
RPM	2800
Amps	1.30
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

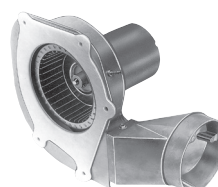
Lennox

Replaces

31L5501 101202-01 24W95
7002-2975 102359-01

Item ID 66501

H.P.	1/30
Volts	115
RPM	3000
Amps	1.20
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic



Lennox

Replaces

7021-10046

Item ID A155

H.P.	1/30
Volts	115
RPM	3000
Amps	1.40
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

Lennox

Replaces

313L5501 7002-2975

Item ID A200

H.P.	1/30
Volts	115
RPM	3000
Amps	1.35
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic



Lennox

Replaces

45037-1P 46087-001 45037-001
7021-10602 7021-11106 7021-11174

Item ID A202

H.P.	1/30
Volts	115
RPM	3400
Amps	1.80
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

Lennox

Replaces

67K0401 67K0401P 7021-9450
FB-RFB547

Item ID A163

H.P.	1/20
Volts	115
RPM	3400
Amps	1.80
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic



Magic Chef/Amana

Replaces

HWC Series

Item ID 80280

H.P.	1/60
Volts	230
RPM	3000
Amps	0.55
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

Miller



Replaces

303875000

Item ID	80270
H.P.	1/50
Volts	115/230
RPM	3000
Amps	0.90/0.45
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

Nordyne

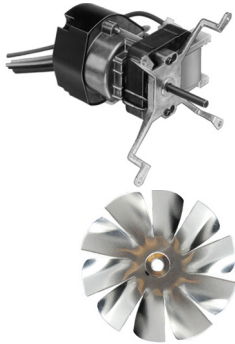


Replaces

903404

Item ID	65404
Stack Size (In.)	7/8
Volts	120
RPM	3000
Amps	0.3
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

Rheem

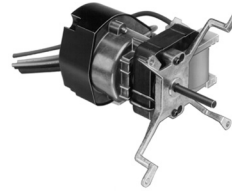


Replaces

51-21964-11

Item ID	21964K
Stack Size (In.)	3/4
Volts	208-230
RPM	3000
Amps	0.25
Speeds	1
Rotation	CW
Shaft Dimension (In.)	1/4 x 1 1/2
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

Notes: C-Frame motor with centrifugal switch. This Kit contains one motor and three fan blades each with 10 blades and 1/4" diameter bore, in diameters of 3", 3 1/2", and 4"



Notes: C-Frame motor with centrifugal switch

Replaces

51-21964-01 51-21964-11

Item ID	K628
Stack Size (In.)	3/4
Volts	208-230
RPM	3000
Amps	0.25
Speeds	1
Rotation	CW
Shaft Dimension (In.)	1/4 x 1 1/2
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

Rheem



Replaces

70-101087-81 7021-11559

Item ID	66781
H.P.	1/50
Volts	115
RPM	3000
Amps	0.60
Speeds	1
Type	PSC
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic



Rheem

Replaces

70-21496-01 7021-5239 JAIM102

Item ID	A090
H.P.	1/50
Volts	115
RPM	3000
Amps	1.10
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

Rheem



Replaces

117104-01 117847-07 70-22838-82
70-24157-03

Item ID	66847
H.P.	1/30
Volts	120
RPM	3000
Amps	1.70
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic



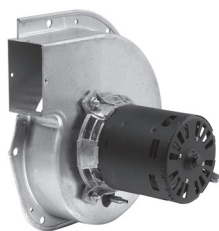
Rheem

Replaces

70-23641-81

Item ID	82641
H.P.	1/25
Volts	208-230
RPM	3200
Amps	0.62
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

Rheem



Replaces

70-23641-81

Item ID	A241
H.P.	1/25
Volts	208-230
RPM	3200
Amps	0.62
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

Skymark



Replaces

MTR136PK

Item ID	82136
H.P.	1/35
Volts	208-230
RPM	3000
Amps	0.56
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

Trane



Replaces

210330673 210340125 X38040305017
7021-8428 D330809P01 R7-RFB143

Item ID	A143
H.P.	1/50
Volts	115
RPM	3000
Amps	0.95
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

Trane



Replaces

X38040253057

Item ID	82057
H.P.	1/40
Volts	115
RPM	3000
Amps	1.00
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

Trane



Replaces

X38040253057 7021-8569

Item ID	A192
H.P.	1/40
Volts	115
RPM	3000
Amps	1.00
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

Trane



Replaces

C661452P01 X38080029010

Item ID	A150
H.P.	1/35
Volts	208-230
RPM	3000
Amps	0.50
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

Trane



Replaces

D330787P01 D330809P01 BLW473
X38040305010 X38040305017

Item ID	66787
H.P.	1/30
Volts	120
RPM	3000
Amps	1.20
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic
Includes	Special Plug

York



Replaces

7062-2442 7062-3342 7062-3484

Item ID	A137
H.P.	1/25
Volts	115
RPM	3450
Amps	0.70
Speeds	1
Type	PSC
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic



York

Replaces

026-33999-001

Item ID	82999
H.P.	1/30
Volts	208-230
RPM	3200
Amps	0.64
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic



York

Replaces

026-33999-001

Item ID	A223
H.P.	1/30
Volts	208-230
RPM	3200
Amps	0.64
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic



York

Replaces

024-25960-000 7062-3958

Item ID	A165
H.P.	1/25
Volts	115
RPM	3450
Amps	0.70
Speeds	1
Type	PSC
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic



York

Replaces

7021-11577 17503 7021-11577S
7021-11830 024-34558-000

Item ID	A225
H.P.	1/15
Volts	115
RPM	3200
Amps	2.25
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic



Fasco

Item ID	A167
Nameplate CFM	30
Volts	115
RPM	2900
Amps	0.4
Speeds	1
Rotation	CW
Type	Shaded Pole
Bearings	Sleeve



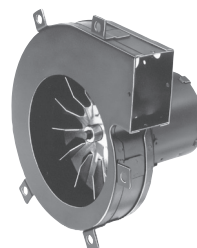
Fasco

Item ID	B30
Nameplate CFM	45
Volts	115
RPM	3200
Amps	0.59
Speeds	1
Rotation	CW
Type	Shaded Pole
Bearings	Sleeve



Fasco

Item ID	A071
Nameplate CFM	71
Volts	115
RPM	2850
Amps	0.7
Speeds	1
Rotation	CCW
Type	Shaded Pole
Bearings	Sleeve



Fasco

Item ID	A082
Nameplate CFM	75
Volts	115
RPM	2800
Amps	0.95
Speeds	1
Rotation	CW
Type	Shaded Pole
Bearings	Sleeve



Fasco

Item ID	B75
Nameplate CFM	75
Volts	115
RPM	3200
Amps	0.59
Speeds	1
Rotation	CW
Type	Shaded Pole
Bearings	Sleeve



Fasco

Item ID	A166
Nameplate CFM	115
Volts	115
RPM at Free Air	3200
Amps at Free Air	1.40
Hertz	50/60



Fasco

Item ID	A125
Nameplate CFM	125
Volts	115
RPM	3200
Amps	1.1
Speeds	1
Rotation	CW/CCW
Type	Shaded Pole
Bearings	Sleeve



Fasco

Item ID	B24220
Nameplate CFM	135
Volts	115
RPM	2600
Amps	1.3
Speeds	1
Rotation	CW
Type	Shaded Pole
Bearings	Sleeve



Fasco

Item ID	B47120
Nameplate CFM	180
Volts	115
RPM at Free Air	1360/1100/830
Amps at Free Air	1.95
Speeds	3
Bearing	Sleeve
Hertz	60



Fasco

Item ID	A212
Nameplate CFM	212
Volts	115
RPM	2500
Amps	1.25
Speeds	1
Rotation	CW/CCW
Type	Shaded Pole
Bearings	Sleeve



Fasco

Item ID	B45227
Nameplate CFM	265
Volts	115
RPM	1650
Amps	1.86
Speeds	1
Rotation	CW
Type	Shaded Pole
Bearings	Sleeve



Fasco

Item ID	B45227-2
Nameplate CFM	265
Volts	230
RPM	1650
Amps	0.93
Speeds	1
Rotation	CW
Type	Shaded Pole
Bearings	Sleeve

Fasco



Item ID	A455
Nameplate CFM	455
Volts	115
RPM	1500/1100
Amps	1.5
Speeds	2
Rotation	CW
Type	Shaded Pole
Bearings	Sleeve

Fasco



Item ID	B45230
Nameplate CFM	460
Volts	208-230
RPM	1600/1400
Amps	1.2
Speeds	2
Rotation	CCW
Type	Shaded Pole
Bearings	Sleeve

Fasco



Item ID	B45267
Nameplate CFM	460
Volts	115
RPM at Free Air	1600/1400
Amps at Free Air	2.90
Speeds	2
Bearing	Sleeve
Hertz	60

Fasco



Item ID	B68042
Nameplate CFM	815
Volts	115
RPM	1100
Amps	5.6
Speeds	1
Rotation	CW
Type	Shaded Pole
Bearings	Sleeve

Fasco



Item ID	A1000
Nameplate CFM	1000
Volts	115/230
RPM	1100/1100
Amps	4-2.9/2-1.4
Speeds	2
Rotation	CW
Type	Shaded Pole
Bearings	Sleeve

Fasco



Item ID	A1200
Nameplate CFM	1200
Volts	115/230
RPM	1500/1400t
Amps	8-6.8/4-3.4
Speeds	2
Rotation	CW
Type	Shaded Pole
Bearings	Sleeve

Carrier



Replaces	
LA11AA005	
Item ID	A65569BW
Diameter (In.)	4
Width (In.)	1 1/2
Rotation	CCW
Bore (In.)	5/16

Carrier



Replaces	
LAXA046	
Item ID	BW11046
Diameter (In.)	4 1/2
Width (In.)	1 5/8
Rotation	CCW
Bore (In.)	1/4

Carrier



Replaces	
LA21RB549	
Item ID	BW16549
Diameter (In.)	5 1/4
Width (In.)	1
Rotation	CW
Bore (In.)	5/16

Carrier



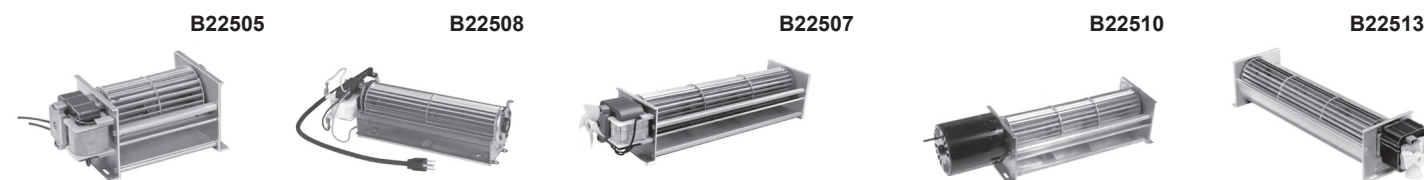
Replaces	
LA21RB548	
Item ID	BW16548
Diameter (In.)	5 3/4
Width (In.)	1
Rotation	CW
Bore (In.)	5/16

Direct OEM Replacements for Water Heaters



Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Enclosure	Replaces
American Water Heater Replacement										
W1	1/25	115	3210	1.90	1	CW	SP	Sleeve	OFC	American Water Heater 3000288
AO Smith Replacements										
W2	1/14	115	3275	2.30	1	CW	SP	Ball	Open	AO Smith 183505-000
W4	1/20	115	3400	1.80	1	CCW	SP	Sleeve	Open	AO Smith 183381-000
Bradford White Replacements										
W3	1/17	115	3000	1.80	1	CCW	SP	Sleeve		Bradford White 117524-00 Bradford White 239-39785-00
W5	1/14	115	3275	2.50	1	CW	SP	Ball	Open	Bradford White 239-42133-00B
W6	1/15	115	3000	2.20	1	CCW	SP	Sleeve	Open	Bradford White 239-40614-00C
W11	1/12	120	3000	3.1	1	CW	SP	Ball		Bradford White 265-45584-00
GSW Replacements										
W7	1/25	115	3200	1.30	1	CW	SP	Sleeve	OFC	GSW 63217
W8	1/25	115	3200	1.30	1	CW	SP	Sleeve	OFC	GSW 63172
State Ind. Replacements										
W9	1/60	115	3000	0.95	1	CW	SP	Sleeve	OFC	State Ind. 0012400500
W10	1/20	115	3400	1.80	1	CCW	SP	Sleeve	OFC	State Ind. 0012400540

Transflow Blowers



Item ID	Nameplate CFM	Volts	RPM at Free Air	Amps at Free Air	Speeds	Type	Enclosure	Hertz	Overload	Phase	Static Pressure 0.1 in.	Static Pressure 0.2 in.
Fasco												
B22505	80	115	3200	0.55	1	Shaded Pole	Open	50/60	Automatic	1	57	22
B22508	105	115	1500	0.70	1	Shaded Pole	Open	60	Automatic	1	100	60
B22507	115	115	3100	0.85	1	Shaded Pole	Open	50/60	Automatic	1	90	40
B22510	150	115	3100	1.00	1	Shaded Pole	Open	50/60	Automatic	1	125	83
B22513	215	115	2780	1.30	1	Shaded Pole	Open	60	Automatic	1	196	70

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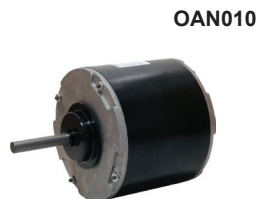
The Packard logo, featuring a stylized blue wave icon above the word "Packard" in a bold, blue, sans-serif font.



A087



OAN470



OAN010

OAN1076
OAN1076V1

OAN140



OAN460



OAN747

Air Plus

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Enclosure	Diameter (In.)	Hertz	Replaces
A087	1/6	115/230	2400	2.8/1.1	1	CCW	PSC	Sleeve	Open	3.3	50/60	7062-3496 7062-4087 7062-4687

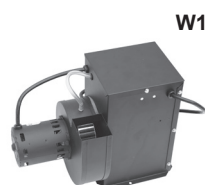
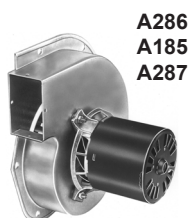
Aaon

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Dia. (In.)	ENCL.	Mounting	Capacitor	Replaces
OAN470	1/4	460/380-415	3200	0.90	CCWLE	1/2 x 3 1/4	5.49	Ball	5 5/8	Open	Horizontal	5M/370V	P48470 FS48S08A27
OAN010	1/3	460	1100	1.00	CCWLE	1/2 x 3 1/4	4.74	Ball	5 5/8	Semi	Vertical Shaft Up	7.5M/370V	P63010 F48A11A27C
OAN1076	3/4	460	1075	2.60	CWSE	1/2 x 4.00	6.0	Ball	5 5/8	TEAO	Belly Band	12.5MFD/37	F48F37A27 F48SP6V9
OAN1076V1	3/4	460/380-415	1075	2.8-1.8	CWSE	1/2 x 2.825	7.38	Ball	5 5/8	TEAO	Belly Band	12.5MFD/37	F48K04A27
OAN140	3/4	460	1075	2.75	CCWLE	1/2 x 4	6.36	Ball	5 5/8	Semi	Vertical Shaft Up with Belly Band	12.5M/370V	P99140 F48R38A27C
OAN460	3/4	208-230	1075	5.40	CCWLE	1/2 x 3	7.36	Ball	5 5/8	Semi	Vertical Shaft Up	15M/370V	P85460 F48K44A27C
OAN747	3/4	460	1075	2.00	CCWLE	1/2 x 3 1/4	7.11	Ball	5 5/8	Semi	Vertical Shaft Up with Belly Band	15M/370V	R17470 F48U09A27



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Amana

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Enclosure	Hertz	Replaces
65337	—	120	3000	0.68	1	CCW	SP	Sleeve	Open	60	C87131-1
82862	1/35	208-240	3000	0.50-0.59	1	CW	SP	Sleeve	Open	60	098862-1 7021-9259
A286	1/35	208/230	3125	0.6	1	CW	SP	Sleeve	Open	60	11096904 7021-9398
A289	1/32	208/230	3125	0.75	1	CW	SP	Ball	—	60	20351402 7058-0081
A160	1/30	115	3000	1.6	1	CW	SP	Sleeve	—	60	20044401 7021-8252 7002-2407
A180	1/30	115	3400	1.80	1	CCW	SP	Ball	Open	60	20190601 7021-9625
A185	1/30	115	3000	1.15	1	CW	SP	Sleeve	Open	60	105854-04 7021-9316
A158	1/25	115	3450	0.70	1	CW	PSC	Sleeve	Open	60	D98686-7 7062-3151
A280	1/25	115	3000	1.5	1	CW	SP	Sleeve	Open	60	D986868 7021-7794
A283	1/25	115	3000	1.5	1	CCW	SP	Sleeve	Open	60	D9868617 7021-8730
A287	1/25	115	3000	1.15	1	CW	SP	Sleeve	Open	60	10585405 7021-9655
A129	1/20	115	3250	1.95	1	CW	SP	Sleeve	Open	60	7021-9064 7021-9259
G2243	1/10	208-230	1100	0.74	1	CWLE	PSC	Ball	TE	60	20181701
G2246	1/5	208-230	1080	1.60	1	CWLE	PSC	Ball	TE	60	20181702

American Water Heater

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	ENCL.	Replaces
W1	1/25	115	3210	1.90	1	CW	SP	Sleeve	OFC	3000288



W4



W2



66404



OBK6002V1



W3



W6



W5



A65216FB

A.O. Smith

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	ENCL.	Replaces
W4	1/20	115	3400	1.80	1	CCW	SP	Sleeve	Open	183381-000 7021-10195 7021-10910
W2	1/14	115	3275	2.30	1	CW	SP	Ball	Open	183505-000 7021-10770

Armstrong

Item ID	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Enclosure	Hertz	Overload	Replaces
66404	115	3200	1.20	1	CWLE	SP	Ball	Open	60	Automatic	40404-003 117521-00 7021-12439

Beckett

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	Enclosure	Frame	Hertz	Mounting	Replaces
OBK6002V1	1/7	115	3450	1.80	1	CWOSE	1/2 x 1 7/8	PSC	Ball	Totally Enclosed	48M	60	M Flange	21805U 621945

Bradford White

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	ENCL.	Replaces
W3	1/17	115	3000	1.80	1	CCW	SP	Sleeve	Open	117524-00 239-39785-00
W6	1/15	115	3000	2.20	1	CCW	SP	Sleeve	Open	239-40614-00C 7021-9764
W5	1/14	115	3275	2.50	1	CW	SP	Ball	Open	239-42133-00B 7021-10712

Broan

Item ID	Bore (In.)	Diameter (In.)	Bore	Replaces
A65216FB	3/16	4 1/2	D Shape	99110379



Broan

Item ID	Stack Size (In.)	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Enclosure	Replaces	Notes
65094	7/8	—	120	3000	0.75	1	CCW	7/32 x 1 3/8	—	SP	Sleeve	Open	99080094 99080099 99080166	42 491
65159	7/8	—	120	3000	0.71	1	CCW	1/4 x 2 3/4	—	SP	Sleeve	Open	99080159	491
65176	1 1/8	—	120	3000	1.00	1	CW	7/32 x 1 1/2	—	SP	Sleeve	Open	99080176	42
65216	5/8	—	120	3000	0.51	1	CCWSE	0.181 x 1 1/2	—	SP	Sleeve	Open	99080090 99080216	42 45
65366	5/8	—	120	3000	0.50	2	CCW	0.185 splined x 1 1/4	—	SP	Sleeve	Open	99080365	45 513
69316	—	—	120	1100	3.40	1	CWSE	1/2 x 3 1/16	2 1/4	SP	Sleeve	Open	97009316	
69317	—	—	120	1100	4.30	1	CWSE	1/2 x 2 5/8	2 5/8	SP	Sleeve	Open	97009317 99080267	
82048	—	1/40	120	1550	0.90	1	CWSE	5/16 x 2 1/16	2 1/4	SP	Sleeve	Open	97008342 99080048J 99080050 7163-9263	482
82583	—	1/100	120	1550	0.55	1	CCW	5/16 x 1 3/4	2 5/8	SP	Sleeve	Open	97008583	45 513
82633	—	1/50	120	1400	0.78	1	CW	5/16 x 1 3/8	2 1/2	SP	Sleeve	Open	99080273 99080274 99080633	
40752	—	1/40	120	1500	1.30	1	CCW	1/4 x 1 1/2	2 1/8	SP	Sleeve	Open	97009752 99080096 99080345	512
82584	—	1/30	120	1550	1.30	1	CCW	5/16 x 1 7/8	2 1/2	SP	Sleeve	Open	97008584	513
82152	—	1/20	120	1550	1.79	3	CCWLE	1 3/4 x 5/16 x 1 3/4	3	SP	Sleeve	Open	99080152	42
D1087	—	1/12	115	1050	2.90	1	CW	1/2 x 2 1/3	2 5/8	SP	Sleeve	Open	99080178 7151-3160	

Notes:

42. Includes Cord and Plug
45. Impedence protected

482. Two prong plugs and cord attached
491. Has a flatted shaft

512. With cord and 2 prong 90 degree plug
513. Special plug and cord attached

Burnham

Item ID	Volts	RPM	Amps	Speeds	Type	Bearings	ENCL.	Hertz	Overload	Includes	Replaces
NEW 66056	115	3400	1.0	1	PSC	Ball	Open	60	Automatic	Gasket	6116056



Carrier

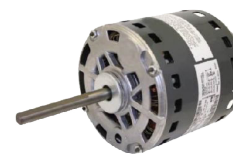
Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Replaces
65123	—	115	3000	1.50	1	CCWLE	3/4 x 5/16 x 1 5/8	2.54	SP	Ball	HC21ZE123A
65569	25 MHP	115	3300	1.80	1	CW	1 x 5/16 x 1 7/8	3 3/8	SP	Ball	HC21ZE117B 318984-753
65570	25 MHP	230	3000	0.80	1	CW	1 x 5/16 x 1 7/8	3 5/8	SP	Ball	HC24HE230
65230	28 Watts	208-230	3000	0.80	1	CWSE	—	—	SP	Ball	HC24HE230
82455	1/40	115/230	3000	1.24/.62	1	CCWSE	5/16 x 3 7/8	5 5/8	SP	Ball	301544 8211520253
82121	1/33	115	3000	1.10	1	CCWLE	5/16 x 2 1/8	3 3/8	SP	Sleeve	JA1M086 P251-2916
65118	1/30	115	2800/2500	1.80/0.60	2	CCWLE	3/4 x 5/16 x 1 5/8	2.724	SP	Ball	HC21ZE118
82180	1/20	115	3300	1.54	1	CCWLE	5/16 x 2 1/8	3 5/8	SP	Sleeve	JA1P053 P251-2307
82520	1/15	115/230	3000	2.00/1.00	1	CW	1/4 x 1 11/16	6	SP	Ball	HC24AU600 HC24AU600B HC24AO701 HC24AU231 HC24AU701 HC30GU208A HC30GU209A HC680001
66649	1/16	208-230	3450	0.5	1	CCW	—	—	PSC	Ball	48GS400106 48GS400649
66815	1/16	208-230	3450	0.48	1	CCW	—	—	PSC	Ball	50DK406815 HC30GB232
82521	1/15	115/230	3000	2.00/1.00	1	CCW	1/4 x 2 1/2	5 5/8	SP	Ball	HC24AU700
G2243	1/10	208-230	1100	0.74	1	CWLE	1/2 x 2 3/4	3 3/8	PSC	Ball	HC34GE234 HC32GE230
40230	1/8	208-230	1125	0.90	1	CCWSE	1/2 x 3 1/2	3 3/4	PSC	Sleeve	HC35VE230
D847	1/8	208-230	1125	0.90	1	CCWSE	1/2 x 3 1/2	3 3/4	PSC	Sleeve	HC35VE230
G2246	1/5	208-230	1080	1.60	1	CWLE	1/2 x 2 3/4	3 7/8	PSC	Ball	HC37GE232
D843	1/4-1/5	208-230	1075	2.20-2.00	1	Reversible	1/2 x 4 1/4	4	PSC	Sleeve	HC37MZ220 HC39VE608 HC39ML706 HC39ME720
82210	1/3	208-230	1625	1.80	1	CCWLE	5 5/8 x 1/2 x 5 5/8	4 1/4	PSC	Ball	HC41FB666
82113	3/4	115	1075	11.0	3	CW	1/2 x 2 7/8	5 3/8	PSC	Ball	HC45TE113 5KCP39PGV623CS



9625
9626



3S046
3S048
3S047
3S049
3S050
3S051
3S052



3S041
3S042
3S044
3S045
3S043



3S053
3S054

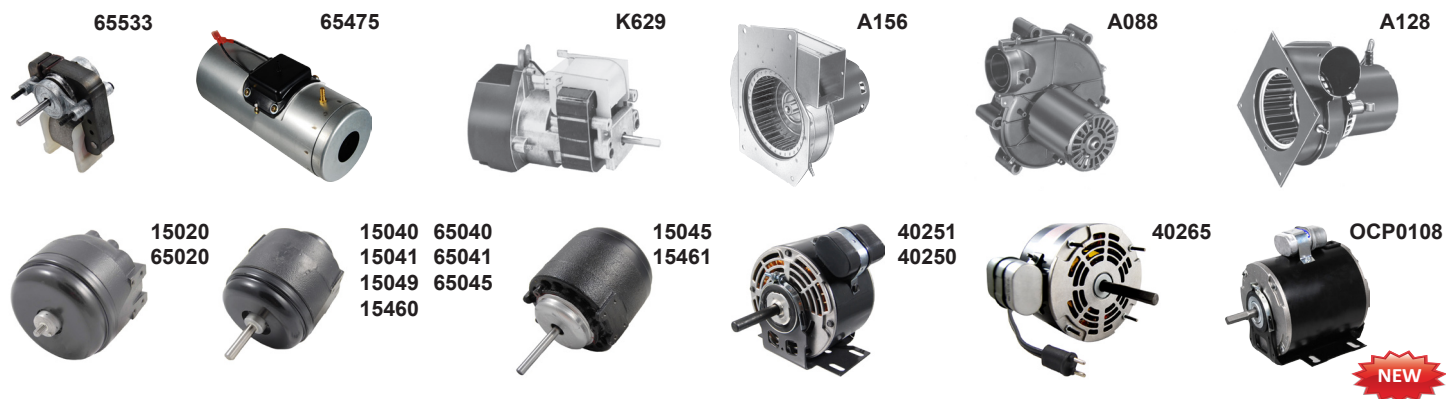


A65048BW



Carrier

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Replaces
9625	1/16	460	3450	0.25-0.22	1	CCWSE	5/16 x 3.30	4 7/8	PSC	Ball	HC30GB460 HC30GB462 JF1H091 JF1H101
9626	1/16	208-230	3450	0.48	1	CCWSE	5/16 x 3.30	4 7/8	PSC	Ball	HG30GB230 HG30GB232 JF1H012 JF1H092
3S046	1/10	208-230	1100	0.75	1	CW	1/2 x 2.5	3.75	PSC	Ball	HC33GE235 5KCP39BGY540S 5KCP39BGU996AS
3S048	1/5	208-230	810	1.2	1	CW	1/2 x 3.25	4.5	PSC	Ball	HC37GE228 5KCP39FFAB35S 5KCP39FFBC51AS
3S047	1/4	208-230	1100	1.4	1	CW	1/2 x 3.	4.3	PSC	Ball	HC39GE226 5KCP39FGY563S 5KCP39FGU997AS
3S049	1/4	208-230	1100	1.5	1	CW	1/2 x 2.5	4.3	PSC	Ball	HC39GE238 5KCP39GGS238BS 5KCP39GGWB01S
3S050	1/4	208-230/220	1100/900	1.42/1.42	1	CW	1/2 x 2.5	4.8	PSC	Ball	HC39GE208 5KCP39HFS277DS 5KCP39HFWB02S
3S051	1/4	460/400	1100/900	.8/.8	1	CW	1/2 x 2.5	4.6	PSC	Ball	HC39GE464 5KCP39HGS239S 5KCP39HGWB04S
3S052	1/4	460/400	1100/900	.7/.7	1	CW	1/2 x 2.5	5.3	PSC	Ball	HC39GE466 5KCP39MFS303BS 5KCP39MFWB11S
3S041	1/3	208-230	1075	2.7	3	CCW	1/2 x 3.75	5.36	PSC	Sleeve	HC41AE193 5KCP39KGS081S 5KCP39KGZ186S
3S042	1/3	208-230	950	2.4	2	CCW	1/2 x 3.75	5.1	PSC	Sleeve	HC41AE194 5KCP39GGS080S 5KCP39GGZ188S
3S044	1/3	115	1075	5.2	4	CCW	1/2 x 4.75	4.6	PSC	Sleeve	HC41AE117 5KCP39GGS336S 5KCP39GGZ183S
3S045	1/2	115	1075	7.9	4	CCW	1/2 x 4.5	5.8	PSC	Sleeve	HC43AE116 5KCP39LGR668AS 5KCP39LGZ184S
3S043	3/4	208-230	1075	5.2	3	CCW	1/2 x 4	6.3	PSC	Sleeve	HC45AE198 5KCP39PGS083S 5KCP39PGZ187S
3S053	1	208-230	1620	4.9	1	CW	1/2 x 2.25	6.8	PSC	Ball	HC52ER230 5KCP39PGU661CS 5KCP39PGWB12S
3S054	1	460	1650	2.1	1	CW	1/2 x 2.25	6.8	PSC	Ball	HC52ER460 5KCP39PGU660CS 5KCP39PGWB13S
NEW Item ID Bore (In.) Diameter (In.) Width Replaces											
NEW A65048BW 5/16 3.82 1 5/8 LA11XA048											



Choice Vending

Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	Enclosure	Replaces
65533	1/2	120	3000	0.22	1	CW	Splined (3/16 Diameter)	SP	Sleeve	Open	863243

Coleman Evcon

Item ID	Stack Size (In.)	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dim. (In.)	Type	Bearings	Enclosure	Replaces
65475	—	1/150	115	3315	0.4	1	CCWSE	—	SP	Ball	—	373-19801-820 373-19801-821
K629	1	1/85	115	2950	0.67	1	CW	1/4 x 1 1/8	SP	Sleeve	Open	7990-317P 7102-2187
A156	—	1/35	115	3000	1.1	1	CW	—	SP	Sleeve	Open	7021-10882 7021-8935 2702321P
A088	—	1/25	115	3200	1.3	1	CW	—	SP	Sleeve	Open	7021-10267 7021-9908 D6868608 7021-5478

Consolidated Ind.

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Dia. (In.)	Replaces
A128	1/50	120	3000	0.9	1	CW	SP	Sleeve	3.3	7021-10271 7021-9404 7021-6376 302065

Copeland

Item ID	H.P.	Watts	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	ENCL.	Dia. (In.)	Hertz	Replaces
15020	—	35	115	1500	1.40	1	CW	1/4 x 1/2	3 3/8	SP	Unit	TE	—	60	050-0267-0
15040	—	50	115	1500	1.70	1	CW	3/8 x 1 1/2	3 5/8	SP	Unit	Semi	—	60	050-0244-01
15041	—	50	230	1500	0.85	1	CW	3/8 x 1 1/2	3 5/8	SP	Unit	Semi	—	60	050-0244-00
15045	—	50	230	1500	0.85	1	CCW	5/16 x 2 1/2	3 3/4	SP	Unit	Open	—	60	050-0264-0
15049*	—	50	208-230	1500	0.85	1	CW	3/8 x 1 1/2	3 3/4	SP	Unit	Semi	—	50/60	050-0244-00
15460	—	50	460	1500	0.44	1	CW	3/8 x 1 1/2	3 5/8	SP	Unit	Semi	—	60	050-0244-02
15461	—	50	460	1500	0.44	1	CCW	5/16 x 2	3 5/8	SP	Sleeve	Open	—	60	050-0264-03
65020	—	35	115	1500	1.40	1	CW	1/4 x 1/2	3 3/8	SP	Unit	TE	—	50/60	050-0267-0
65040	—	50	115	1500	1.70	1	CW	3/8 x 1 1/2	3 5/8	SP	Unit	Semi	—	50/60	050-0244-01
65041	—	50	230	1500	0.85	1	CW	3/8 x 1 1/2	3 5/8	SP	Unit	Semi	—	50/60	050-0244-00
65045	—	50	230	1500	0.85	1	CCW	5/16 x 2	4	SP	Unit	Open	—	50/60	050-0264-0
40251	1/6	—	208-230	1550	1.10	1	CCWSE	1/2 x 3	4 1/4	PSC	Sleeve	Open	5 5/8	50/60	998-0251-00
40265	1/6	—	208-230	1550	1.10	1	Reversible	1/2 x 3	3 1/2	PSC	Sleeve	Open	5 5/8	50/60	050-0265-00
40250	1/4	—	208-230	1625	1.50	1	CCWSE	3	4 1/4	PSC	Sleeve	Open	5 5/8	50/60	950-0250-00
NEW OCP0108	1/3	—	208-230	1625	2.6	1	CWLE	1/2 x 2 1/4	5 3/4	PSC	Ball	TE	5 3/5	50/60	050-0108-00 050-0018-00

Notes:

* 97. May be used on 208 Volt applications



Delfield

Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	Enclosure	Hertz	Replaces
65514	5/8	120	3000	0.44	1	CWSE	3/16 x 3/4	SP	Sleeve	Open	60	1175-10-4439

Ducane

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	ENCL.	Capacitor	Replaces
G2243	1/10	208-230	1100	0.74	1	CWLE	1/2 x 2 3/4	3 3/8	PSC	Ball	5	TE	5M/370V	20390801
G2246	1/5	208-230	1080	1.60	1	CWLE	1/2 x 2 3/4	3 7/8	PSC	Ball	5	TE	5M/370V	20390806
G2244	1/4	208-230	1075	1.70	1	CWLE	1/2 x 2 3/4	3 7/8	PSC	Ball	5	TE	7.5M/370V	20390802

Dunkirk

Item ID	H.P.	Volts	RPM	Amps	Speeds	Type	Bearings	Enclosure	Hertz	Replaces
82052	1/50	115	3000	1.00	1	SP	Sleeve	Open	60	433-00-510

Excel Comfort

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Diameter	Replaces
A100	1/45	115	2900	1.21	1	CW	SP	Sleeve	C-Frame	20093603 7058-0280

Fedders

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Enclosure	Hertz	Replaces
A159	1/40	230	1550	0.5	1	CCW	SP	Ball	Open	60	7063-7334 AK4K84BX 11-7096
A161	1/40	230	1600	0.6	1	CCW	SP	Ball	Open	60	7063-7943 8353920103
82618	1/35	115/230	3000	0.90/0.45	1	CWLE	SP	Ball	Open	60	031-7059



First Company

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Encl.	Dia. (In.)	Replaces	Notes
D236	1/10-1/15-1/25	115	1550	3.50-2.40-1.80	3	DS	7 1/2 x 1/2 x 7 1/2	3 3/8	SP	Sleeve	Open	4.4	SD-110021	
D258	1/5-1/10	208-230	1550	2.80-1.30	2	CCWLE	8 x 1/2 x 8	3 3/8	PSC	Sleeve	Open	5	M10	515 556
D715	1/8	208-230	1500	1.40	2	CCWLE	6 1/2 x 1/2 x 6 1/2	4	PSC	Sleeve	Open	5 5/8	M8	
80010	1/4	208-230	1625	1.65	2	CCWLE	7 1/4 x 1/2 x 7 1/4	4 1/2	PSC	Ball	Open	5 5/8	M10	
82201	1/4	208-230	1145	1.21	1	CCWSE	1/2 x 7 1/2	4 3/8	PSC	Ball	Open	5 5/8	M201B	
D716	1/4	208-230	1625	1.65	2	CCWLE	7 3/4 x 1/2 x 7 3/4	3 3/4	PSC	Sleeve	Open	5 5/8	M10	

Notes:

515. 5M 370V capacitor included

556. Comes with 2 1/2" O.D. rubber mounting rings

Item ID	Diameter (In.)	Width (In.)	Rotation	Bore (In.)	Material	Replaces
A60200BW	7 11/16	8	CW	1/2	Galvanized Steel	W200

Notes:

Can be used with motor 82201

Franklin

Item ID	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Enclosure	Diameter	Replaces
B23617	115/230	3000	.9/.45	1	CCW	SP	Sleeve	Open	3.3	303875 7021-10288 7021-5703
B23618	115/208-230	3000	.95/.45	1	CCW	SP	Ball	Open	3.3	031-7059 7021-10289 7021-5932

Frigidaire

Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	ENCL.	Hertz	Replaces
65333	1/2	120	3000	0.88-0.68	1	CCW	3/16 x 1 1/8	SP	Sleeve	Open	60	1137820



Frymaster

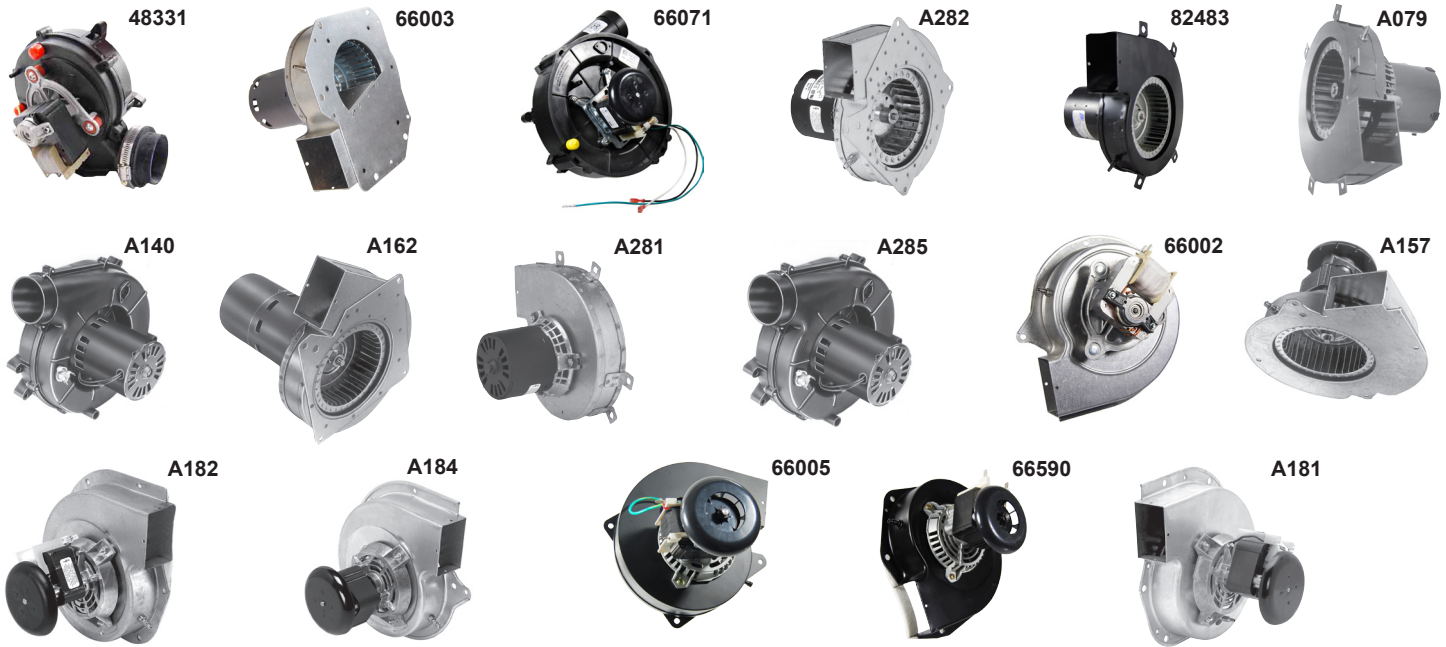
Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Diameter	Replaces
A110	1/70	115	3212	0.76	1	CW	SP	Ball	C-Frame	7002-3093 7002-3512 7021-0898

General Electric

Item ID	Stack Size (In.)	Watts	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	Dia. (In.)	Encl.	Hertz	Replaces
65338	1/2	—	—	120	3000	0.88-0.68	1	CW	1/8 x 1 1/4	SP	Sleeve	—	Open	60	WR60X162
65685	1	—	—	120	3000/1550	0.90	2	CW	3/16 x 1 5/8	SP	Sleeve	—	Open	60	WB26X45
65018	—	5	—	115	1550	0.34	1	CW	1/4 x 1/2	SP	Unit	—	TE	50/60	5KSM81FFL18
65017	—	9	—	115	1550	0.55	1	CW	1/4 x 1/2	SP	Unit	—	TE	50/60	5KSM81FFL17
41728	—	—	1/8	230	1550	1.10	1	CW	1/2 x 3	PSC	Sleeve	5	Semi	60	5KSP29DK1728S WW94X936PSC
D1050	—	—	1/8	230	1550	1.10	1	CW	1/2 x 3	PSC	Sleeve	5	Open	60	5KSP29DK1728S
OTR4513	—	—	1/8	208-240	1550	0.80-0.90	1	CCWLE	1/2 x 3 1/8	PSC	Sleeve	5	TE	60	5KSP29DK1728S

Gibson

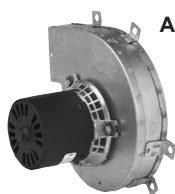
Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	ENCL.	Hertz	Replaces
65335	5/8	120	3000	1.35	1	CW	3/16 x 1 3/8	SP	Sleeve	Open	60	33-335



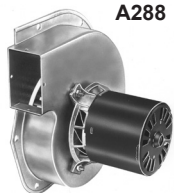
Goodman

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	ENCL.	Dia. (In.)	Replaces	Notes
48331	—	115	3200	1.80	1	CWLE	SP	Ball	Open	C-Frame	5KSB46GF0001S B4833000	79
66003	—	115	3250	0.92	1	CCWLE	PSC	Ball	Open	3.3	098862-1 11009001 11009003	
66071	1 1/2" stack	115	3000	2.80	1	CWLE	SP	Ball	Open	C-Frame	071M00000	
A282	1/60	220	2600	0.45	1	CCW	SP	Sleeve	Open	3.3	B1859050S 7021-8448	
82483	1/50	115	3000	0.90	1	CWLE	SP	Ball	Open	3.3	B1859000 B1859000S	
A079	1/50	115	3000	1.10	1	CCW	SP	Sleeve	Totally Enclosed	3.3	B1859000 74-70-21964-03-01 7021-6804	
A140	1/50	115	3400	1.40	1	CW	SP	Sleeve	Open	3.3	B2833001S B2833001 7021-9000 7021-9087 FB-RFB140	
A162	1/50	208-230	3000	0.50	1	CCW	SP	Sleeve	Open	3.3	B295900 7021-8656	
A281	1/40	115	3000	0.9	1	CW	SP	Sleeve	Open	3.3	D6996405 7021-8252	
A285	1/40	115	3250	1.4	2	CW	SP	Sleeve	Open	3.3	B2833002 7021-9236	
66002	1/35	115	3000	1.90	1	CWLE	SP	Ball	Open	C-Frame	0131M00002P 0131M00002S	
A157	1/35	115	3000	1.3	1	CCW	SP	Sleeve	Open	C-Frame	7002-2307	
A182	1/35	115	3125	1.20	1	CCW	SP	Sleeve	Open	C-Frame	B4059000 7002-3036	
A184	1/35	115	3125	1.55	1	CCW	SP	Ball	Open	C-Frame	B4059001 7058-0229	
66005	1/30	115	3000	1.60	1	CWLE	SP	Ball	Open	C-Frame	B1859005 J238-11128	
66590	1/30	115	3000	1.50	1	CWLE	SP	Ball	Open	C-Frame	B4059000 J238-112-11195	
A181	1/30	115	3192	1.5	1	CW	SP	Ball	Open	C-Frame	20044403 7058-0136	

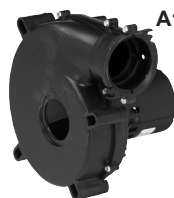
Notes:
79. Includes rubber boot



A284



A288



A189



A187



A290



A188



OGD1016
OGD1026



90318



W7



W8

Goodman

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Enclosure	Dia. (In.)	Replaces	Cap. Required
A284	1/30	208/240	3000	0.59/0.5	1	CW	SP	Sleeve	Open	3.3	D9886202 7021-9227	—
A288	1/30	115	3100	1.4/65	2	CW	SP	Ball	Open	3.3	11177202 7021-9727	—
A189	1/24	115	3000	1.5	1	CW	SP	Sleeve	Open	3.3	D9886820 7021-7302	—
A187	1/20	208-230	3250	0.8	1	CW	SP	Sleeve	Open	3.3	20028901 7021-10006	—
A290	1/20	115	3200/2400	0.7	2	CCW	PSC	Ball	Open	3.3	20245903 7062-5015	—
A188	1/18	115	3250	1.6	1	CW	SP	Sleeve	Open	3.3	B4833000 7021-10958	—
OGD1016	1/6	208-230	1075	1.00	1	CCWLE	PSC	Sleeve	Open	—	B13400-251	5M/370V
OGD1026	1/4	208-230	1075	1.50	1	CCWLE	PSC	Sleeve	Open	—	B13400-247	5M/370V

Greenheck

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	Mounting	Replaces
90318	1/8	115	1550/1300/1050	2.60	3	CCWSE	1/2 x 2 3/4	3 5/8	PSC Cap Included	Ball	5.12	Thru Bolt	308318

GSW

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	ENCL.	Replaces
W7	1/25	115	3200	1.30	1	CW	SP	Sleeve	OFC	63217
W8	1/25	115	3200	1.30	1	CW	SP	Sleeve	OFC	63172



65691
65692



574
575
572A



41101
41103



41194
41195



45036
41124
41126



D1101
D1103



D1124



35100
35101
35200
35201



45008S
45008T

Heatcraft - Bohn - Larkin

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Enclosure	Replaces	Notes
65691	5/8" stack	120	3000	0.64	CW	0.181 x 1 5/16	—	SP	Sleeve	Open	5007S 5018S 5036F	354 472 474
65692	5/8" stack	240	3000	0.32	CW	0.181 x 1 5/16	—	SP	Sleeve	Open	5007 5018T 5036G	354 472 474
574	1/20	115	1550	1.60	CCWSE	5/16 x 2 5/8	2 3/4	SP	Sleeve	Open	253-1194	7 111 498
575	1/20	208-230	1550	0.90	CCWSE	5/16 x 2 1/2	2 3/4	SP	Sleeve	Open	253-1195	7 111 498
41101	1/20	115	1500	1.90	CCW	5/16 x 2 1/4	2 3/4	SP	Sleeve	Open	253-1194	329 500
41103	1/20	208-230	1500	0.93	CCW	5/16 x 2 1/4	2 7/8	SP	Sleeve	Open	253-1195	329 500
41194	1/20	115	1550	1.90	CCW	5/16 x 2 3/8	2 5/8	SP	Sleeve	Open	253-1194	463
41195	1/20	208-230	1550	0.89	CCW	5/16 x 2 3/8	2 7/8	SP	Sleeve	Open	253-1195	463
45036	1/20	115	1550	2.10	CW	5/16 x 2 1/2	3	SP	Sleeve	Open	5036-SS	500
572A	1/20	115	1550	1.90	CWSE	5/16 X 3	3	SP	Sleeve	Open	5008S	111
D1101	1/20	115	1500	1.90	CCW	5/16 x 2 1/4	2 3/4	SP	Sleeve	Open	253-1194	
D1103	1/20	208-230	1500	1.15	CCW	5/16 x 2 1/4	3	SP	Sleeve	Open	253-1195	
D1124	1/20	115	1550	2.10	CW	5/16 x 3	3	SP	Sleeve	Open	5008S	500
											5KSM59JSK143S	
35100	1/15	115	1550	1.30	CWOSE	5/16 x 4 1/8	2 5/8	ECM	Ball	TE	253-1194	500
35101	1/15	115	1550	1.30	CCWOSE	5/16 x 4 1/8	2 5/8	ECM	Ball	TE	5008S	500
35200	1/15	208-230	1550	0.80	CWOSE	5/16 x 4 1/8	2 5/8	ECM	Ball	TE	253-1195	500
35201	1/15	208-230	1550	0.80	CCWOSE	5/16 x 4 1/8	2 5/8	ECM	Ball	TE	5008T	500
41124	1/15	120	1550	2.00	CW	5/16 x 3	3 1/2	SP	Sleeve	Open	5008S	329 500 551
41126	1/15	208-230	1550	1.10	CW	5/16 x 3	3 1/2	SP	Sleeve	Open	5008T 5034L	329 500
45008S	1/15	115	1550	1.80	CWSE	5/16 x 3	3	SP	Sleeve	Open	5008S 5034LS	499 500
45008T	1/15	208/230	1550	1.20-1.00	CWSE	5/16 x 3	3 1/2	SP	Sleeve	Open	5008T 5034MS	499 500

Notes:

7. Supplied with lead and plug assembly
111. Includes special plug
329. Motor has 4 studs on both ends

354. Impedence protected
463. Identical Bolt Pattern of Larkin
472. Includes stand offs for other Bohn applications

474. Used in Bohn commercial evaporators
498. 50/60 Hertz
499. Identical bolt pattern as OEM motor

500. Includes Cord and Lyall Plug
551. Low Temp. Oil



Heatcraft - Bohn - Larkin

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Encl.	Replaces	Notes
573A	1/15	208-230	1550	1.30	CWSE	5/16 X 3	3 5/8	SP	Sleeve	Open	5008T	111
D1126	1/15	230	1550	1.10	CW	5/16 x 3	3 1/2	SP	Sleeve	Open	5008T	500
											5KSM59LS2262AS	
97701	1/15, 1/20, 1/25	230	1625	0.70	CWSE	5/16 x 2.95	2.85	ECM	Ball	TE	22617701 22617901 25307701 25307901	500
97801	1/15, 1/20, 1/25	120	1625	1.20	CWSE	5/16 x 2.95	2.85	ECM	Ball	TE	22617801 22618001 25307801 25308001	500
9721	1/12	115/208-230	1550	1.10/0.50	Rev.	5/16 x 3 1/4	3 5/8	PSC	Ball	Open	7071061 25309101	189 498 500
41125	1/12	208-230	1550/ 1400	0.50	CCW	5/16 x 2 5/8	3 1/2	PSC	Sleeve	Open	5008T	304 500
D1125	1/12	208-230	1550	0.40	CCW	5/16 x 2 5/8	3 3/4	PSC	Sleeve	Open	7190-0442	42 304
49101	1/12- 1/15- 1/20	115/208-230	1550/ 1400	1.10/0.50	Rev.	5/16 x 3 1/8	3 5/8	PSC	Ball	Open	7071061 25309101	189 498 500
D863	1/2	208-230	1075	4.00	Rev.	1/2 x 3	6 3/4	PSC	Ball	Open	SCS0500HI-CPM120-3	

Notes:

42. Includes Cord and Plug
111. Includes special plug

189. Includes reversing plug
304. Run capacitor mounted on motor shell

498. 50/60 Hertz
500. Includes Cord and Lyall Plug

Herman Nelson

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	Replaces
D827	1/8	115	700	2.50	1	CCW	1/2 x 2	5 1/2	PSC	Ball	5 5/8	7-150444-02

Heil-Quaker

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Enclosure	Hertz	Overload	Replaces
A064	1/55	115	3150	0.70	1	CW	SP	Sleeve	Open	60	Automatic	5C085 610672 608971



65119



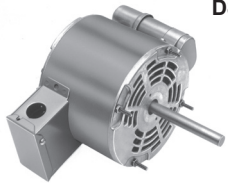
65133



61103



61104



D890

15020
15021
65020
6502115041
65041

Hill

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Enclosure	Hertz	Mounting	Replaces	Notes
65119	5	115	1550	0.34	CW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Double Foot Pads	PP7577M	87

Hussmann

Item ID	Watts	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	ENCL.	Mounting	Replaces	Notes
65133	9	—	115	1550	0.50	CW	1/4 x 1/2	2 1/2	SP	Unit	—	TE	Single Foot Pad	58698	87 551
61103	12	—	115	1550	0.62	CWLE	1/4 x 1/2	2 11/16	SP	Unit	—	TE	No Foot Pad	0047000 441-103 0440421 125-01-0615A	87
61104	12	—	115	1550	0.62	CWLE	1/4 x 1/2	2 11/16	SP	Unit	—	TE	Double Foot Pads	4410311	87
D890	—	1/2	208-230	1725	2.70	CCW	1/2 x 3 1/2	4 1/2	SP	Sleeve	5 5/8	Open	—	259983 K55HXCTP-9963	

Notes: 87. Includes straight Lyall plug

551. Low Temp. Oil

Ice-O-Matic

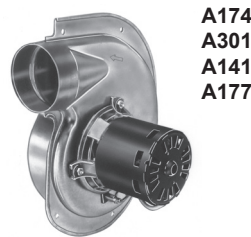
Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	ENCL.	Mounting	Hertz	Replaces
15020	35	115	1500	1.40	CW	1/4 x 1/2	3 3/8	TE	Double Foot Pads	60	9161078-01
15021	35	230	1500	0.70	CW	1/4 x 1/2	3 3/8	TE	Double Foot Pads	60	9161078-03 309316-000
65020	35	115	1500	1.40	CW	1/4 x 1/2	3 3/8	TE	Double Foot Pads	50/60	9161078-01
65021	35	230	1500	0.70	CW	1/4 x 1/2	3 3/8	TE	Double Foot Pads	50/60	9161078-03 309316-000
15041	50	230	1500	0.85	CW	3/8 x 1 1/2	3 5/8	Semi Encl.	Double Foot Pads	60	319357-000
65041	50	230	1500	0.85	CW	3/8 x 1 1/2	3 5/8	Semi Encl.	Double Foot Pads	50/60	319357-000



66833



66338



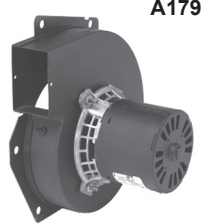
A174
A301
A141
A177



A151



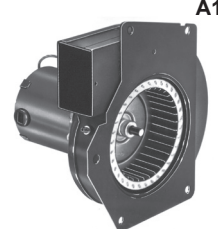
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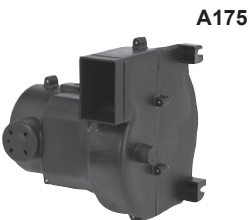
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66254



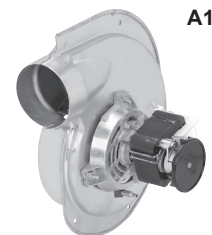
A148



A175



66529



A172

ICP

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Enclosure	Replaces	
66833	28 MHP	115	3000	1.60	1	CW	SP	Ball	Open	1010324 1013833	1010238P
66338	50 MHP	115	3000	2.40	1	CW	SP	Ball	Totally Enclosed	1012002 1014338	1013388A
A174	1/100	115	2350	0.8	1	CW	SP	Sleeve	Open	1010239	7021-9188
A301	1/100	115	2350	0.8	1	CW	SP	Sleeve	Open	1010239	1094073
A151	1/90	230	2800	0.3	1	CW	SP	Sleeve	Open	1050144 4MH40	1170870 7021-10287
82672	1/60	115	3300	0.90	1	CCWLE	SP	Sleeve	Open	1006168	
A141	1/60	115	2800	1	1	CW	SP	Ball	Open	1094073 4MH33 7021-8741	1094074 7021-10280 7021-8742
A179	1/60	115	3300	0.9	1	CW	SP	Sleeve	Open	1006168P	7021-8693
66254	1/50	230	3000	0.30	1	CCWLE	PSC	Ball	Open	1110008 1085571P 7021-10580	1085571 7021-10048
A148	1/50	208-230	3000	0.50	1	CCW	SP	Sleeve	Open	1054268P 7021-9237	7021-7617 HQ1054268FA
A175	1/40	115	3300	1.0	1	CCW	SP	Sleeve	—	1708600	7002-1891
A177	1/36	115	3000	1.4	2	CW	SP	Ball	—	1011632	7021-10363
66529	1/35	115	3000	1.50	1	CCWSE	SP	Ball	Open	100011645 10011945 1014529	10011645 1014433
A172	1/35	115	3000	1.60	1	CW	SP	Ball	Open	1010975	1010975P



82148



A178



A306



66350



A134
A302
A304



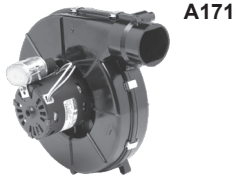
A145



A169



A170



A171



A176



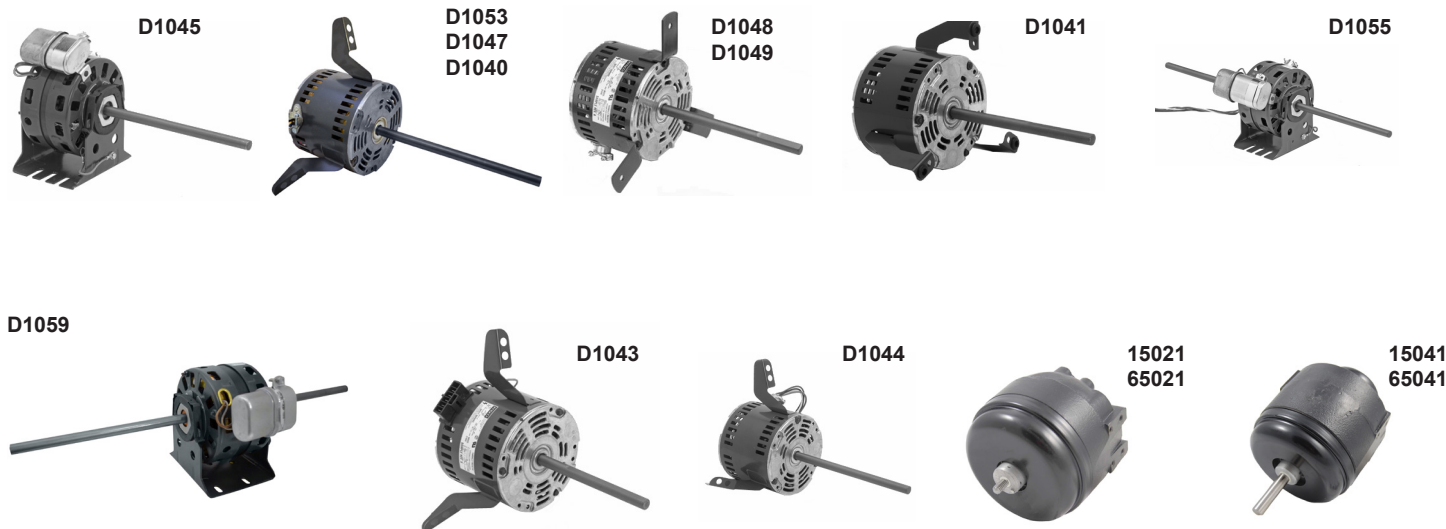
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A173

ICP

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Enclosure	Replaces	
82148	1/30	208-230	3000	0.50	1	CCW	SP	Sleeve	Open	1054268P 1HQ1054268FA	1054268
A178	1/30	115	3400	1.8	1	CW	SP	Ball	Open	1012002	1013188
A306	1/30	208-230	3350/2900	0.3	2	CCW	PSC	Sleeve	Open	1097245	7062-4532
66350	1/25	115	3350	0.92	1	CCWSE	PSC	Ball	Open	1000814 1001609 1007360 1150474	1001371 1002543 1011350 HQ1011350
A134	1/25	115	3060	1.50	1	CW	SP	Sleeve	Open	1010238P 1708-607 R7-RFB134 7021-8735 7021-9335	1010324 1708-607P 7021-7700 7021-8736
A145	1/25	115	3450	0.7	1	CCW	PSC	Ball	Open	1008695 7021-10299	4MH47 7062-4061
A169	1/25	230	2800	0.75	1	CW	SP	Sleeve	Open	1010008 1110008 7021-10580	1085571 7021-10048
A170	1/25	115	3400	2.30	1	CCW	SP	Ball	Open	1010312 1010928 1011097 1164280	1010526 1011095 1011409
A171	1/25	115	3450	0.70	1	CCW	PSC	Ball	Open	1010491 1011096	1010527P 1011410
A176	1/25	115	3100	2.2	1	CW	SP	Ball	—	1011899	7002-2946
A302	1/25	115	3060	1.5	1	CW	SP	Sleeve	Open	1010324P 7021-9277	7021-9499
A304	1/25	115	3060	1.5	1	CW	SP	Sleeve	Open	7021-9701	1011021
A307	1/24	115	3450	0.7	1	CW	PSC	Sleeve	Open	7062-5165 7062-3794	1149097 1008416P
A173	1/18	115	3450	0.80	1	CCW	PSC	Ball	Open	1011350 HQ1011350FA	HQ1011350 R7-RFB350



IEC

Item ID	H.P.	Volts	RPM	Amps	Type	Speeds	Rotation	Shaft Dimension (In.)	Bearings	Dia. (In.)	A Dim.	Replaces
D1045	1/30	115-127	1100	0.53	PSC	3	CW	1/2 X 9	Sleeve	5	3 1/8	5KCP29BK8382S S89202
D1053	1/30	265	1075	0.38	PSC	3	CW	1/2 X 7 1/8	Sleeve	5	3 1/3	5KCP29BK8094S S89203
D1047	1/20	208-230	1075	1.6	PSC	3	CW	1/2 X 7 1/8	Sleeve	5	3 7/8	5KCP29FK8028S S88935
D1048	1/20	277	1075	0.5	PSC	3	CW	1/2 X 7 1/4	Sleeve	5	3 7/8	5KCP29FK8132S S89205
D1049	1/20	265	1075	0.4	PSC	3	CW	1/2 X 7 1/8	Sleeve	5	3 7/8	5KCP29FK8388S S89204
D1041	1/15	265	1075	0.6	PSC	3	CW	1/2 X 7 1/8	Sleeve	5	3 7/8	5KCP29DK8389S S89206
D1055	1/12	115-127	1375	1.4	PSC	3	DS	9 1/8 X 1/2 X 9 1/2	Sleeve	5	3 1/8	5KCP29BK8383S S89207
D1059	1/6	115-127	1450	2.3	PSC	3	DS	8 3/4 X 1/2 X 9	Sleeve	5	3 1/3	5KCP29DK8384S S89208
D1040	1/5	208-240	925	1.6	PSC	3	CW	1/2 X 8	Sleeve	5	4 1/3	5KCP29KK8385S S89209
D1043	1/4	265	1075	1.6	PSC	3	CW	1/2 X 6 1/4	Sleeve	5	4 5/8	5KCP29DK8386S S89211
D1044	1/4	115	970	6	PSC	3	CW	1/2 X 8	Sleeve	5	4 1/3	5KCP29DK8387S S89210

IMI Cornelius

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	ENCL.	Mounting	Hertz	Replaces
15021	35	230	1500	0.70	CW	1/4 x 1/2	3 3/8	TE	Double Foot Pads	60	9161078-03 309316-000
65021	35	230	1500	0.70	CW	1/4 x 1/2	3 3/8	TE	Double Foot Pads	50/60	9161078-03 309316-000
15041	50	230	1500	0.85	CW	3/8 x 1 1/2	3 5/8	Semi	Double Foot Pads	60	319357-000
65041	50	230	1500	0.85	CW	3/8 x 1 1/2	3 5/8	Semi	Double Foot Pads	50/60	319357-000



Johnson Furnace

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dim. (In.)	Length Less Shaft (In.)	Type	Bearings	ENCL.	Dia. (In.)	Replaces	
80280	1/60	230	3000	0.55	1	CWLE	—	—	SP	Ball	Open	3.3	36HW 48HWC181 36HWC18A	35HC181 36HC241
A085	1/30	230	3000	0.7	1	CCW	—	—	SP	Ball	Open	3.3	35035B001	36HW
A081	1/40	230	3000	0.5	1	CCW	—	—	SP	Ball	—	3.3	36HWC18A 36HWC241	36HW 48HW
40493	1/6-1/10	208-230	1075	1.40	2	CCW	1/2 x 2	4	PSC	Sleeve	Open	5 5/8	3699B	

Kitchen Aid

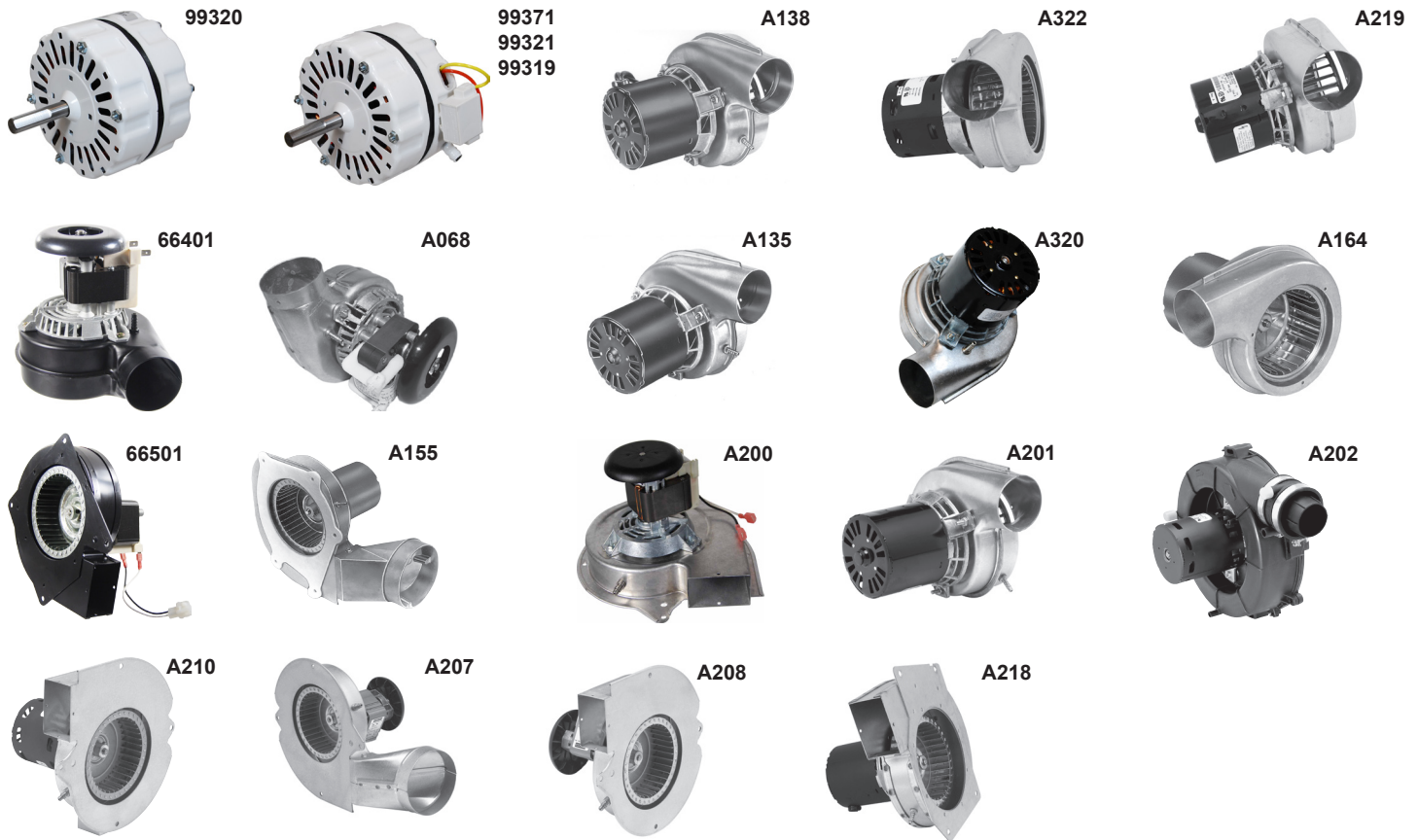
Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	Enclosure	Replaces
65455	1/2	120	3000	0.35	1	CW	7/32 x 1	SP	Sleeve	Open	240332-1 4162472

Krack

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	Mounting	Replaces
D1189	1/20	115/208-230	1550	1.40/0.76	1	CWSE	5/16 x 1 5/8	3 1/8	SP	Ball	3.3	Lug	11528 11529
41189	1/20	115/208-230	1350/1550	1.60/0.80	1	CWSE	5/16 x 1 5/8	3 1/16	SP	Ball	3.3	Lug	11528 11529
OKR1096	1/2	208-230/460	1140	2.00-1.90/0.95	1	Reversible	5/8 x 2	9 1/4	3 phase	Ball	6 1/2	Belly Band	150372 11096
OKR1503	1	200-230/460	850	4.40-4.00/2.00	1	Reversible	5/8 x 3 1/4	10 1/4	3 phase	Ball	6 1/2	Belly Band	151437 11503

Kyser Warren

Item ID	Watts	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	ENCL.	Hertz	Mounting	Replaces
10019	9	115	1550	0.53	1	CW	1/4 x 1/2	2 3/8	SP	TE	60	No Foot Pads	5991

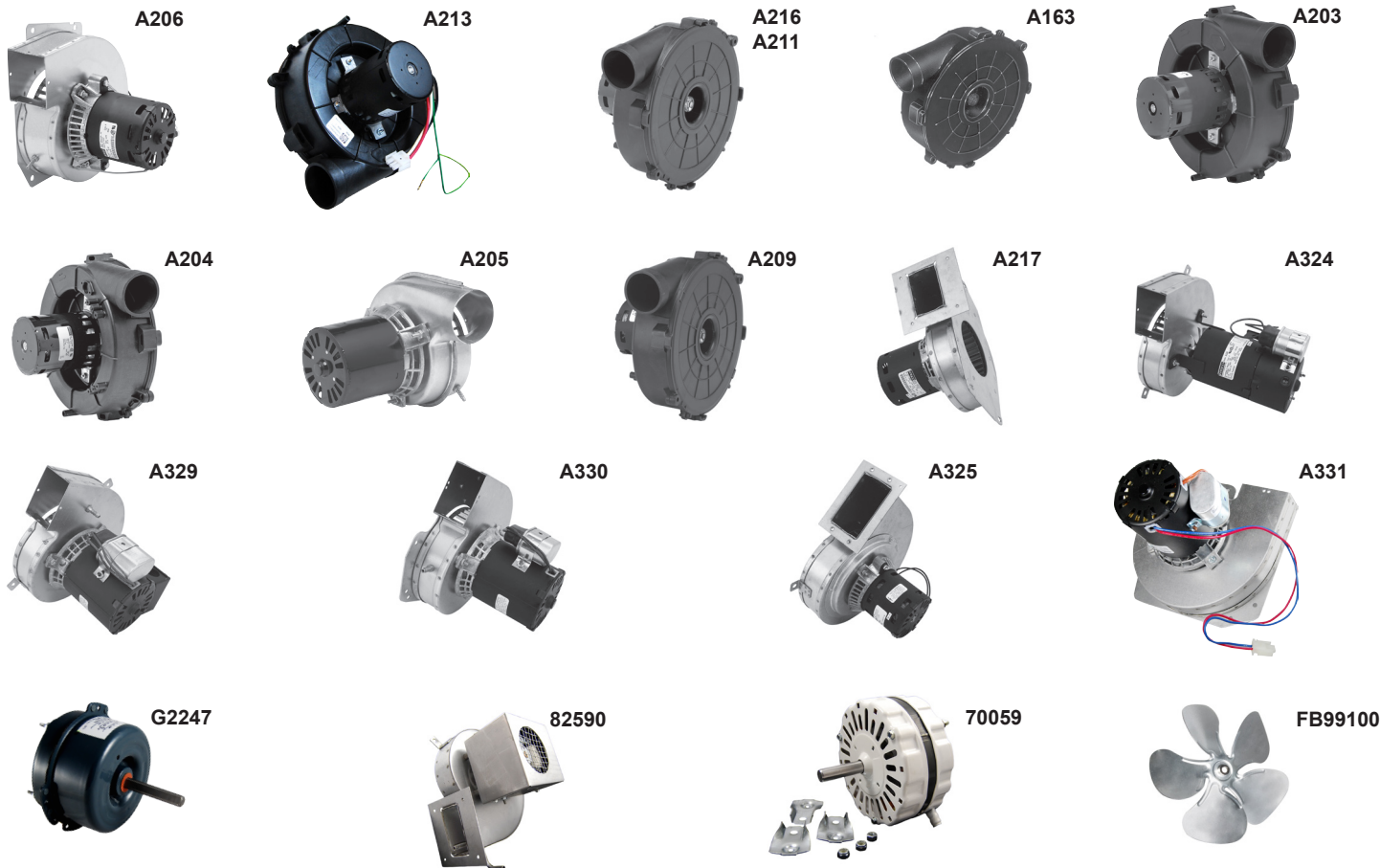


L.L. Building

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Enclosure	Diameter (In.)	Capacitor Included	Replaces
99320	—	120	900	3.40	1	CWSE	1/2 x 2.02	2.27	SP	Open	5.12	—	V909320
99371	1/7	120	1050	2.80	1	CWSE	1/2 x 2.30	3.08	PSC	Open	5.12	8MFD / 250VAC	V909371
99321	1/5	120	1050	3.30	1	CWSE	1/2 x 2.30	3.33	PSC	Open	5.12	10MFD / 250VAC	V909321
99319	1/4	120	1050	3.30	1	CWSE	1/2 x 2.30	3.33	PSC	Open	5.12	10MFD / 250VAC	V909319

Lennox

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	ENCL.	Hertz	Overload	Replaces
A138	1/70	120	3000	0.7	1	CCW	SP	Sleeve	Open	60	Auto	7021-8657 7021-8825
A322	1/70	120	3000	1.1	2	CCW	SP	Sleeve	Open	60	Auto	67M6401 83L8201
A219	1/65	120	3000	0.7	1	CCW	SP	Sleeve	Open	60	Auto	24L0101 7021-9884
66401	1/60	120	2800	1.30	1	CWLE	SP	Ball	Open	60	Auto	88J3901 7021-9262
A068	1/60	120	3000	1.15	1	CCW	SP	Ball	Open	60	Auto	88K8401 J238-087-8171
A135	1/60	120	3000	0.7	1	CCW	SP	Sleeve	Open	60	Auto	88K8401 J238-8171
A320	1/60	115	3000	0.8	1	CCW	SP	Sleeve	Open	60	Auto	33J4101 4MH29
A164	1/50	120	3400	0.8	1	CCW	SP	Sleeve	Open	60	Auto	7021-10276 7021-8812
66501	1/30	115	3000	1.20	1	CCWSE	SP	Ball	Open	60	Auto	27K6101 10115401
A155	1/30	115	3000	1.40	1	CCW	SP	Ball	Open	60	Auto	10K5101 10K5301
A200	1/30	115	3000	1.35	1	CCW	SP	Sleeve	Open	60	Auto	43K4101 46K4101
A201	1/30	208-230	3000	0.65	1	CCW	SP	Ball	Open	60	Auto	31L5501 101202-01
A202	1/30	115	3400	1.80	1	CCW	SP	Ball	Open	60	Auto	102359-01 7021-10046
A210	1/30	115	3000	1.7	2	CCW	SP	Ball	Open	60	Auto	7021-10055 7021-10743
A207	1/28	115	3000	1.75	1	CCW	SP	Ball	Open	60	Auto	45037-001 46087-001
A208	1/28	115	3000	1.75	1	CCW	SP	Ball	Open	60	Auto	18M6701 27M1301
A218	1/28	220-240	3000	0.6/0.52	1	CCW	SP	Ball	Open	60	Auto	60M7901 7058-0217
												60M8101 7058-0322
												39L4201 60J4201



Lennox

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	ENCL.	Hertz	Overload	Cap. Req.	Replaces	
A206	1/25	115	3000	1.5	1	CW	SP	Sleeve	Open	60	Auto	—	20J8091	7021-8473
A213	1/25	115	3200	2.1	2	CCW	SP	Ball	Open	60	Auto	—	18L0401	7021-10376
A216	1/25	115	3200	2.1	2	CCW	SP	Ball	Open	60	Auto	—	60L1401	7021-10915
A163	1/20	115	3400	1.80	1	CCW	SP	Ball	Open	60	Auto	—	7021-9450 67K0401P	67K0401 FB-RFB547
A203	1/20	115	3400	1.8	1	CCW	SP	Ball	Open	60	Auto	—	49L5301	7021-10841
A204	1/20	115	3400	1.8	1	CCW	SP	Ball	Open	60	Auto	—	83L4101	7021-11406
A205	1/20	120	3000	0.7	1	CCW	SP	Sleeve	Open	60	Auto	—	19J0401 7021-9001	7021-8372 T6-2118
A209	1/20	115	3200/ 2800	0.8	2	CCW	PSC	Ball	Open	60	Auto	—	38M5001	7062-5441
A217	1/16	230	3000	0.83	1	CCW	SP	Ball	Open	60	Auto	—	25M5501	7021-11231
A211	1/15	115	3400	2.35	1	CCW	SP	Ball	Open	60	Auto	—	81M1601	7021-11634
A324	1/12	230	3200	0.44	1	CW	PSC	Ball	Open	60	Auto	Included	28G6601	7062-1794
A329	1/12	208-230	3200	0.5	1	CW	PSC	Ball	Open	60	Auto	Included	19L1501	7062-4819
A330	1/12	208-230	3200	0.55	1	CW	PSC	Ball	Open	60	Auto	Included	69M3301	97J8201
A325	1/10	208-230	3200	0.6	1	CW	PSC	Ball	Open	60	Auto	—	98G8701	99K5701
A331	1/10	460	3200	0.38/0.33	1	CW	PSC	Ball	Open	60	Auto	—	69M3201	97J8101
G2247	1/6	208-230	1100	1.30	1	CCWLE	PSC	Ball	TE	60	Auto	5M/370V	31L1901	
82590	—	115	3000	1.20	1	CWLE	SP	Sleeve	Open	60	Auto	—	47H12	LB-82590CA

Lomanco

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	ENCL.	Mounting	Replaces
70059	1/10	115	1100	3.40	1	CW	1/2 x 1 5/8	2 1/4	SP	Sleeve	5	Open	Lug	AO416B2059 AO510B2389 AO510B2497
Item ID	Diameter (In.)		Blades		Hub Location		Bore		Pitch (°)		Rotation		Note	
FB99100	12		5		Discharge		1/2		33		CW		Used with 70059	



90220



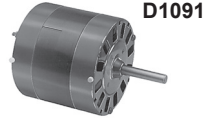
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90520



90620
90720



D1091



D1137
D1143



D753
D759



D1029



D1026



D1031



65001
15020
65020



15041
65041

Loren Cook

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	Mounting	Replaces
90220	1/114	115	1500	0.75	2	CW	3/8 x 2 3/4	2 3/8	SP	Sleeve	4.4	Thru Bolt	220/240
90420	1/23	115	1500	1.50	1	CW	3/8 x 2 3/4	2 5/8	SP	Sleeve	4.4	Thru Bolt	420
90320	1/16	115	1550	2.20	2	CW	3/8 x 2 1/2	2 5/8	SP	Sleeve	4.4	Thru Bolt	320/340
90520	1/16	115	1200	1.50	1	CW	3/8 x 2 1/4	3	PSC Cap Included	Sleeve	5.12	Thru Bolt	520
90620	1/11	115	1500	4.60	2	CW	1/2 x 6 1/4	3	SP	Sleeve	4.4	Lug Mount	620/640
90720	1/4	115	1625	3.90	2	CW	1/2 x 6 1/4	3 3/8	PSC Cap Included	Sleeve	5.12	Lug Mount	720/740

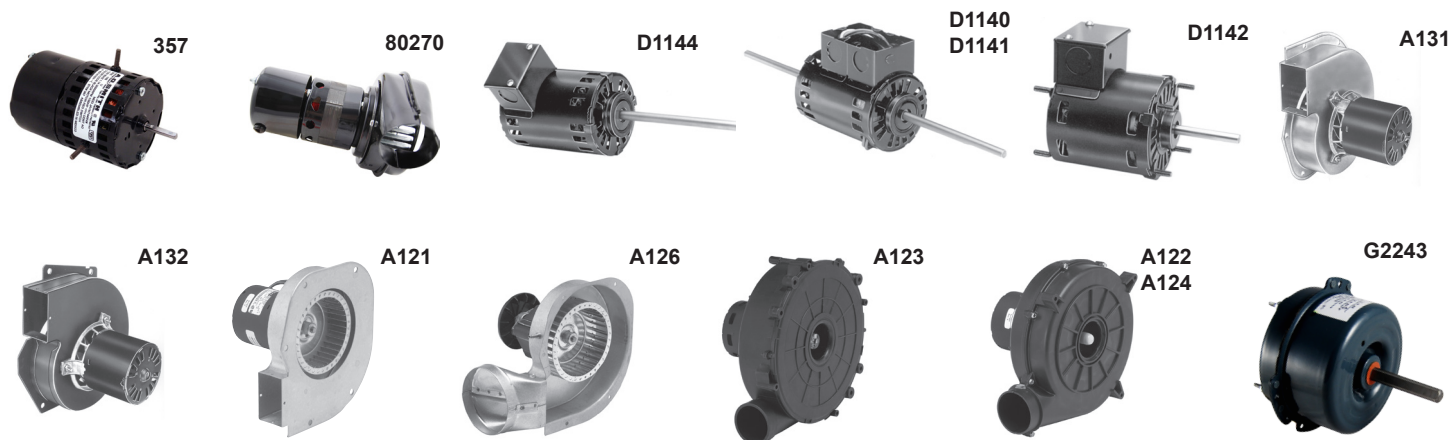
Magic Chef

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dim. (In.)	Length Less Shaft (In.)	Type	Bearings	Hertz	Replaces
D1091	1/4	208-230	1075	2.20	1	CCW	1/2 x 2 3/4	4 1/2	PSC	Sleeve	60	35035B001

Manitowoc

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Diameter	Bearings	Hertz	Cap. Required	Replaces
D1137	1/20	208-230	1550	0.34	1	CCW	3.3	Ball	50/60	3MFD/370V	2008253 71902831
D1143	1/20	115	1550	0.9	1	CCW	3.3	Ball	60	5MFD/370V	2008243 71902830
D753	1/8	208-230	1075	1.0	1	CCW	5.6	Ball	50/60	5MFD/370V	2009673 71264871
D759	1/8	115	1075	2.7	1	CCW	5.6	Ball	60	5MFD/370V	2009683 71265053
D1029	1/8	208-230	1350/1620	0.8	1	CW	5	Sleeve	50/60	5MFD/370V	2009653 71850274
D1026	1/5	208-230	1050	1.5	1	CW	5	Ball	60	3MFD/370V	2009633 71870252
D1031	1/5	208-230	1050	1.8	1	CW	5	Sleeve	50/60	3MFD/370V	2009663 71870263

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dim. (In.)	Length Less Shaft (In.)	ENCL.	Mounting	Hertz	Replaces
65001	25	115	1500	1.10	CW	1/4 x 1/2	3 3/8	TE	Double Foot Pads	50/60	002412283
15020	35	115	1500	1.40	CW	1/4 x 1/2	3 3/8	TE	Double Foot Pads	60	002401591 002412373
65020	35	115	1500	1.40	CW	1/4 x 1/2	3 3/8	TE	Double Foot Pads	50/60	002401591 002412373
15041	50	230	1500	0.85	CW	3/8 x 1 1/2	3 5/8	Semi	Double Foot Pads	60	002412353
65041	50	230	1500	0.85	CW	3/8 x 1 1/2	3 5/8	Semi	Double Foot Pads	50/60	002412353



Mid Continent

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dim. (In.)	Length Less Shaft (In.)	Type	Bearings	Hertz	Replaces
357	1/30	115	3000	1.10	1	CWSE	1/4 x 1 1/2	4 3/4	SP	Sleeve	60	JA1M069NV

Miller

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Hertz	Replaces
80270	1/50	115/230	3000	0.90/0.45	1	CWLE	SP	Ball	60	303875000

McQuay

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	Replaces	Notes
D1144	1/25-1/35-1/65	115	1200	1.10-0.90-0.60	CW	3/8 x 5 5/8	4 3/4	PSC	Sleeve	3.3	BA2H015	
D1141	1/15-1/25-1/35	115	1000	1.30-1.10-0.90	Double Shaft	5 5/8 x 3/8 x 5 5/8	4 3/4	PSC	Sleeve	3.3	879-382563B-00	
D1140	1/10-1/12-1/15	115	1500	2.20-2.00-1.70	Double Shaft	5 5/8 x 3/8 x 5 5/8	4 3/4	PSC	Sleeve	3.3	879-382564B-00	
D1142	1/15	115/230	1500	1.70-0.90	CW	5/16 x 2 1/2	3 1/2	SP	Sleeve	3.3	879-382-562-ZB-00	356

Notes:

356. Has special 3.15" bolt circle

Nordyne

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Dia. (In.)	Replaces
A131	1/50	115	3000	1.1	1	CW	SP	Sleeve	3.3	6212850 6217000 7021-10159
A132	1/50	115	3000	1.1	1	CW	SP	Sleeve	3.3	6212850 7021-10274 7021-10493
A121	1/45	240	3000	0.5	1	CW	SP	Sleeve	3.3	6217930 7021-10381
A126	1/45	115	3000	1.8	1	CW	SP	Ball	C-Frame	6219500 7002-3158
A123	1/18	115	3300	1.95	1	CW	SP	Ball	3.3	622064 7021-11385
A122	1/17	115	3000	1.75	1	CW	SP	Sleeve	3.3	6219490 7021-11227
A124	1/15	115	3000	1.75	1	CW	SP	Sleeve	3.3	6219290 7021-11379

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	ENCL.	Capacitor	Replaces
G2243	1/10	208-230	1100	0.74	1	CWLE	1/2 x 2 3/4	3 3/8	PSC	Ball	5	TE	5M/370V	621865



Nutone

Item ID	Stack Size (In.)	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Enclosure	Replaces	Notes
65100	1/2	—	120	3000	0.86/0.50	1	CCW	7/32 x 1 5/8	1 5/8	SP	Sleeve	Open	C65878	42 105
65101	7/8	—	120	3000	0.86	2	CW	7/32 x 1 5/16	1.97	SP	Sleeve	Open	C52367	110
65272	1	—	120	3000	1.10	1	CCW	7/32 x 1 1/2	2 1/8	SP	Sleeve	Open	C23272	485
65709	5/8	—	120	3000	0.88	1	CCW	7/32 x 2 3/8	1 3/4	SP	Sleeve	Open	C53709	108 485
65894K	3/4	—	120	3000	0.90	1	CCW	7/32 x 2 3/8	1 7/8	SP	Sleeve	Open	82229 K5894	42 106
82423K	1/2	—	120	2650	0.60	1	CW	7/32 x 1 1/2	1 5/8	SP	Sleeve	Open	89423-000	42 106
65103	7/8	—	120	3000	0.71	1	CCW	7/32 x 1 1/4	2	SP	Sleeve	Open	C63675	485
65104	3/4	—	120	3000	0.74	1	CCW	7/32 x 1 3/4	1 7/8	SP	Sleeve	Open	C66582	107
65105	7/8	—	120	3000	0.88	2	CCW	7/32 x 1 7/16	2	SP	Sleeve	Open	C27987	110
65106	5/8	—	115	3000	0.70	1	CCW	7/32 x 2 3/8	1 3/4	SP	Sleeve	Open	C68627	485
65112	1/2	—	120	3000	0.76	1	CW	7/32 x 1 3/4	1 5/8	SP	Sleeve	Open		104 105
40695	—	1/100	120	1180	0.60	1	CWSE	1/4 x 1 1/8	—	SP	Sleeve	Open	0695B000	529
82512	—	1/100	115	1550	0.70	1	CCW	1/4 x 1 1/8	2 1/16	SP	Sleeve	Totally Enclosed	26750 26761	42
82513	—	1/100	115	1550	0.70	1	CCW	1/4 x 1 1/4	2 1/16	SP	Sleeve	Totally Enclosed	23388 23405	41 42
82635	—	1/91	115	1550	0.45	1	CCW	1/4 x 1 1/8	2.09	SP	Sleeve	Totally Enclosed	54123 54257	42
80600	—	1/80	115	3000	0.65	1	CW	1/4 x 2 1/8	2 1/2	SP	Sleeve	Open	16553	41
82637	—	1/75	115	1550	0.63	1	CCW	1/4 x 1 1/8	2	SP	Sleeve	Totally Enclosed	53581	42
82510	—	1/70	115	1320	0.85	1	CW	1/4 x 1 1/4	2 1/16	SP	Sleeve	Open	C65073	41 482
40933	—	1/50	120	1550	1.20	1	CCW	1/4 x 1	1 7/8	SP	Sleeve	Open	86933000 86933	482
82733	—	1/50-1/80	115	3000	1.00-0.60	2	CW	1/4 x 1 1/4	2 5/8	SP	Sleeve	Totally Enclosed	C26733	42
40696	—	1/45	115	1400	0.86	1	CCWLE	1/4 x 1	—	SP	Sleeve	Open	0696B000 86322	529
82621	—	1/10	115	1550	3.80	1	CCW	5/16 x 1 1/2	3 3/4	SP	Ball	Open	32997 67176	

Notes:

41. 1 1/8" Hubs

42. Includes cord and plug

104. Same as 65100 except mounting screws are on the shaft end

105. Includes A65100FB impeller

106. Assembled with bracket as illustrated

107. Has eyelet terminals on leads

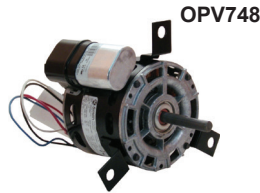
108. Has a one shot overload

110. Includes two speed plug

482. Two prong plug and cord attached

485. Includes two prong plug

529. Complete assembly, motor, mounting flange and blower wheel



Nutone

Item ID	Bore (In.)	Diameter (In.)	Width (In.)	Bore	Replaces
A65900	1/4	5 3/4	2	D Shape	59000A000
A65100FB	7/32	4 9/16	—	D Shape	68920

Oasis

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Enclosure	Hertz	Mounting	Replaces
10037	5	115	1550	0.34	CW	1/4 x 1/2	2 3/8	SP	Totally Enclosed	60	Double Foot Pads	027354-026 027354-037
10038	9	115	1550	0.53	CW	1/4 x 1/2	2 1/2	SP	Totally Enclosed	60	Double Foot Pads	027354-038

Penn Ventilator

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Dia. (In.)	ENCL.	Replaces
OPV400206	1/40	115	1050	1.10	CCWLE	3/8 x 2 1/4	3	SP	5	Open	D340 Z-6
OPV343	1/40	115	1550/1050	1.40/0.60	CCWLE	1/3 x 5 3/4	2 1/4	SP	3.3	Open	56343-0 JA2M414-T
OPV747	1/7, 1/11, 1/25	115	1550/1300/1050	2.50/2.10/1.60	CCWLE	1/2 x 2 1/2	4 1/4	PSC	5	Open	63747-0 DE2F7085-T
OPV748	1/6, 1/12, 1/20	115	1550/1300/1050	2.10/1.90/1.40	CCWLE	1/2 x 2 3/5	4 1/4	PSC	5	Open	63748-0 DE2F7088-T
D342	1/15	115	1050	2.30	CW	3/8 x 2 1/2	2 5/8	SP	5	Open	7151-3081 7151-3565
D0746	1/12	115	1550/1300	1.50/0.90	CCWLE	1/3 x 3 1/3	3 5/6	PSC	3.3	Open	63746-0 JE2H057-T
OPV346	1/4	115	1550/1050	3.60/2.50	CCWLE	1/3 x 5 1/3	4 2/3	PSC	3.3	Open	56346-0 JE2K007-T



66505



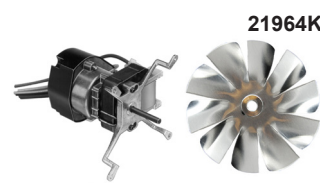
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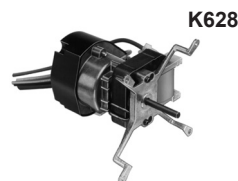
D461



40066



21964K



K628



A139



66781



A090



A240

Reznor

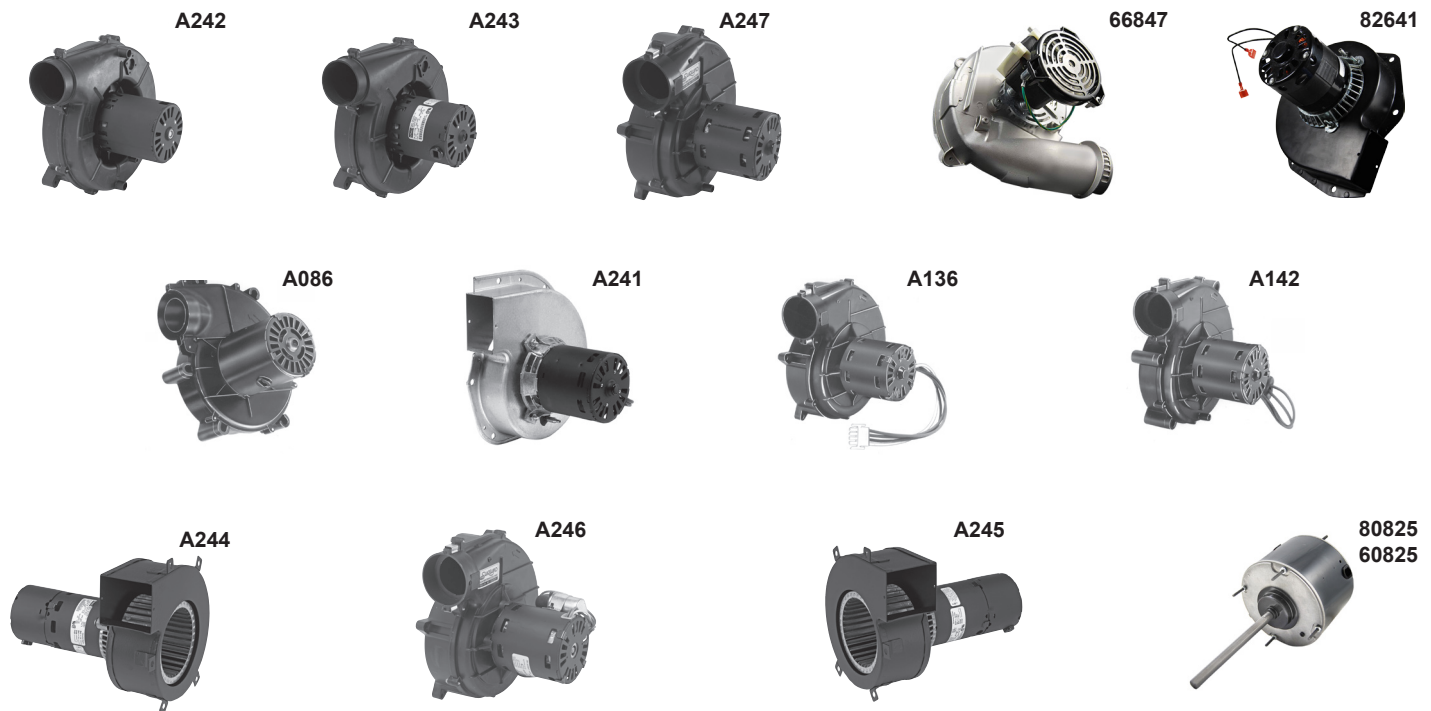
Item ID	H.P.	Volts	RPM	Amps	Speeds	Rot.	Shaft Dim. (In.)	Length Less Shaft (In.)	Type	Bearings	Enclosure	Dia. (In.)	Replaces
66505	1/10	115/208/230	3000	1.40/0.80	1	Rev.	5/16 x 3 1/4	4 1/4	PSC	Ball	Open	3.3	CW175-40069 CCW505-43424 CCW175-40070 7162-0293 7162-0348 7162-0294 CCW77162-0311 CCW175-43846 CW7162-0224 CW36860
82384	1/8	115	1075	2.60	1	Rev.	1/2 x 2 7/8	3 7/8	PSC	Sleeve	Totally Enclosed	4.97	170-45888 319P384
D461	1/8	480	3200	0.32	1	CCW	5/16 x 3 1/3	4 1/4	PSC	Sleeve	Totally Enclosed	3.3	43762 7162-0396
40066	1/6	115	1075	2.40	1	Rev.	1/2 x 3 3/8	4 1/2	PSC	Ball	Totally Enclosed	5 5/8	55682

Rheem

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rot.	Shaft Dim. (In.)	Type	Bearings	ENCL.	Replaces
21964K	—	208-230	3000	0.25	1	CW	1/4 x 1 1/2	SP	Sleeve	Open	51-21964-11
K628	—	208-230	3000	0.25	1	CW	1/4 x 1 1/2	SP	Sleeve	Open	51-21964-01 51-21964-11
A139	1/55	115	3000	0.95	1	CW	—	SP	Sleeve	Open	7021-7577
66781	1/50	115	3000	0.60	1	CW	—	PSC	Ball	Open	70-101087-81 70-21496-83 70-24157-03 7021-11559
A090	1/50	115	3000	1.10	1	CW	—	SP	Sleeve	Open	74-70-21496-01 7021-5239 JAIM102
A240	1/50	115	3000	1.1	1	CCW	—	SP	Sleeve	Open	7021-8183 70-21496-00

Notes: 21964K: for more information, please see page 49.

K628 and 21964K: Stack Size - 3/4"



Rheem

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rot.	Shaft Dim. (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	Replaces
A242*	1/50	115	3400	1.36	1	CW	—	—	SP	Sleeve	3.3	7021-7150 70-22436-01
A243*	1/50	115	3400	1.36	1	CW	—	—	SP	Sleeve	3.3	7021-7790 70-22436-02
A247*	1/40	115	3250/3800	0.95	2	CW	—	—	PSC	Sleeve	3.3	7062-5519
66847*	1/30	120	3000	1.70	1	CCWLE	—	—	SP	Ball	C-Frame	117104-01 117847-07 70-22838-82 70-24157-03
82641*	1/25	208-230	3200	0.62	1	CW	—	—	SP	Sleeve	3.3	70-23641-81
A086*	1/25	115	3200	1.3	1	CW	—	—	SP	Sleeve	3.3	7021-5990 7021-5853
A241*	1/25	208-230	3200	0.62	1	CW	—	—	SP	Sleeve	3.3	70-23641-81
A136*	1/20	115	3450	0.75	1	CW	—	—	PSC	Sleeve	3.3	7062-3861
A142*	1/20	115	3450	0.7	1	CW	—	—	SP	Sleeve	3.3	7062-2513, 416673-00003, 7062-1881
A244*	1/20	208-230	3300	0.85	1	CCW	—	—	SP	Ball	3.3	7021-6967, 70-42241-01
A246*	1/20	115	3400/ 2400	0.85	2	CW	—	—	PSC	Ball	3.3	70-24206-01, 7062-3925
A245*	1/15	208-230	3000	.95/.85	1	CW	—	—	SP	Ball	3.3	7021-7490, 70-42278-02
NEW 80825	1/8	208-230	825	1.00	1	Rev.	1/2 x 6 1/2	3.94	PSC	Ball	5 5/8	21276-02 21276-01 512076-01
60825	1/6	208-230	825	1.20	1	Rev.	1/2 x 6 1/2	4 1/4	PSC	Ball	5 5/8	51-20760-11 51-20763-01 51-20763-02

Notes: *Open Enclosure



63382



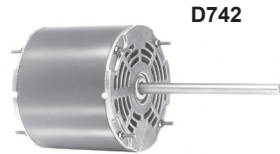
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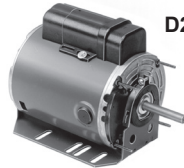
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ORM10206V1



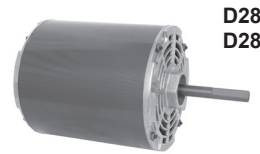
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D2862



ORM1056
ORM1076



D2850
D2851

Rheem

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	Replaces
63382	1/5	208-230	1075	1.30	Rev.ersible	1/2 x 4 3/8	3 3/4	PSC	Ball	5 5/8	51-21853-82 KA55HXMPT-6557 51-20672-01 51-20673-01 51-20674-01 51-20675-01 51-20679-01 51-20680-01 51-20681-01 51-20682-01 51-21826-01
D2840	1/5	208/230	1075	1.30	CW	1/2 x 4 1/8	3 3/4	PSC	Sleeve	5 5/8	51-21853-82
D743	1/5	208-230	1075	1.20	Reversible	1/2 x 6	3 1/2	PSC	Sleeve	5 5/8	95-3154
ORM10206V1	1/5	208-230	1075	1.40	Reversible	1/2 x 4 1/4	3 7/8	PSC	Sleeve	5 5/8	KA55HXMPT-6557 51-20672-01 51-20673-01 51-20674-01 51-20675-01 51-20679-01 51-20680-01 51-20681-01 51-20682-01 51-21826-01 51-21827-01 51-21828-01 51-21829-01 51-21830-01 51-21831-01
D742	1/4	208-230	1075	2.10	Reversible	1/2 x 6	4	PSC	Sleeve	5 5/8	
D2834	1/3	208/230	1075	2.00	CW	1/2 x 4 1/4	4	PSC	Sleeve	5 5/8	51-21853-83
D2862	1/2	208-230	1075	4.00	Reversible	1/2 x 3	6 1/2	PSC	Ball	5 5/8	5KCP37PN244BS MTG3041
ORM1056	1/2	115	1075	5.70	CWSE	1/2 x 3 1/2	4 5/8	PSC	Sleeve	5 5/8	51-22873-01
ORM1076	3/4	115	1075	10.5	Reversible	1/2 x 5	5 5/8	PSC	Sleeve	5 5/8	51-22859-01
D2850	1 3/4	208-230/460 (60Hz) 200/380-415 (50Hz)	1125/950	4.60/2.30	CW	1/2 x 3.45	6 1/2	PSC	Ball	5 5/8	5KCP39SFL153DS MOT05717 X70671180017 X70670706010 MOT03771
D2851	1 3/4	208-230/460 (60Hz) 200/380-415 (50Hz)	1125/950	4.60/2.30	CW	1/2 x 3.45 Keyed	6 1/2	PSC	Ball	5 5/8	5KCP39SFL153DS MOT09188 MOT09192 X7067165301 X70671656010



67154



15001
65001



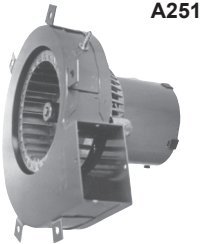
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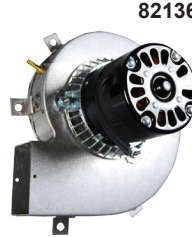
W9



W10



A251



82136



40242

Russell Coil

Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	Enclosure	Hertz	Replaces
67154	3/4	120	3000	0.55	1	CCW	1/4 x 5/8	SP	Sleeve	Open	60	102249-005

Scotsman

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	ENCL.	Mounting	Hertz	Replaces
15001	25	115	1500	1.10	CW	1/4 x 1/2	3 3/8	TE	Double Foot Pads	50/60	18-7200-01
65001	25	115	1500	1.10	CW	1/4 x 1/2	3 3/8	TE	Double Foot Pads	50/60	18-7200-01
15040	50	115	1500	1.70	CW	3/8 x 1 1/2	3 5/8	Semi	Double Foot Pads	60	18-5105-11
15041	50	230	1500	0.85	CW	3/8 x 1 1/2	3 5/8	Semi	Double Foot Pads	60	18-5105-02
65040	50	115	1500	1.70	CW	3/8 x 1 1/2	3 5/8	Semi	Double Foot Pads	50/60	18-5105-11
65041	50	230	1500	0.85	CW	3/8 x 1 1/2	3 5/8	Semi	Double Foot Pads	50/60	18-5105-02

State Ind.

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	ENCL.	Replaces
W9	1/60	115	3000	0.95	1	CW	SP	Sleeve	OFC	0012400500
W10	1/20	115	3400	1.80	1	CCW	SP	Sleeve	OFC	0012400540

Skymark

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Enclosure	Replaces
A251	1/35	208-230	3000	1.10	1	CCW	SP	Sleeve	Open	MTR136PK 7021-9136
82136	1/35	208-230	3000	0.56	1	CCW	SP	Sleeve	Open	MTR136PK

Sterling Radiator Co.

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Enclosure	Dia. (In.)	Mounting	Replaces
40242	1/20	115	1050	2.00	1	CW	3/8 x 3	3.19	SP	Sleeve	TE	5	Stud	7151-0103



A073



OTC6001
OTC6004



OTC1862
OTC1864



15020
15021
65020
65021



15045
65045



82324

Tappan

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Dia. (In.)	Replaces
A073	1/40	115/230	3000	0.7/0.35	1	CCW	SP	BALL	3.3	82932 11429-32 HQ6D1023UN 8251560133 4MH13

Tecumseh

Item ID	Watts/ HP	Volts	RPM	Amps	Rotation	Shaft Dim. (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	ENCL.	Hertz	Replaces
OTC6004	1/20	230	1500	1.11	CCWSE	5/16 x 2 1/2	3 1/16	SP	Sleeve	5	Open	50/60	810S037B01
OTC6001	1/15	230	1500	1.30	CCWLE	5/16 x 2 3/4	3 1/16	SP	Sleeve	5	Open	50/60	810S050A99
OTC1862	1/4	230	1625	1.90	CWLE	1/2 x 2 3/4	4 3/8	PSC	Ball	5 5/8	Open	50/60	TFM1862 8330 KA55HXKGD8330
OTC1864	1/4	460	1625	0.95	CWLE	1/2 x 2 3/4	4 3/8	PSC	Ball	5 5/8	Open	50/60	TFM1864 8331 KA55HGE8331
15020	35	115	1500	1.40	CW	1/4 x 1/2	3 3/8	SP	Unit	—	TE	60	810M035A29
15021	35	230	1500	0.70	CW	1/4 x 1/2	3 3/8	SP	Unit	—	TE	60	810M035A21 810M035A28
65020	35	115	1500	1.40	CW	1/4 x 1/2	3 3/8	SP	Unit	—	TE	50/60	810M035A29
65021	35	230	1500	0.70	CW	1/4 x 1/2	3 3/8	SP	Unit	—	TE	50/60	810M035A21 810M035A28
15045	50	230	1500	0.85	CCW	5/16 x 2 1/2	3 3/4	SP	Unit	—	Open	60	810M050A62
65045	50	230	1500	0.85	CCW	5/16 x 2	4	SP	Unit	—	Open	50/60	810M050A62

Tradewinds

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	Replaces	Notes
82324	1/25	115	1550	2.10	CWLE	1 7/8 x 5/16 x 1 7/8	3	SP	Sleeve	3.3	19-09-215	41

Notes:

41. 1 1/8" Hubs



66787



A265 A198
A266 A199
A267 A261
A264 A260



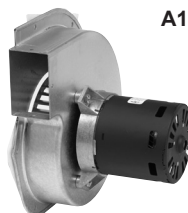
A279
A278



A146
A367



A370



A194



A069



A197



A276



A143

Trane

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Replaces			Notes
66787	—	120	3000	1.20	1	CCWLE	SP	Ball	BLW473 21C138126	210330673 21D330673	210340125 787P01	111
A265	1/125	115	3000	0.75	2	CW	SP	Ball	D342078P02	7002-3444		
A266	1/125	115	3000	1.0	2	CW	SP	Ball	D342078P04	7002-3445		
A267	1/125	115	3000	1.4	2	CW	SP	Ball	D342078P05	D342078P06	7002-3446	
A279	1/125	115	3000	0.75	2	CW	SP	Ball	D341663P04 7002-3275	D341095P04	7002-2531	
A264	1/120	115	3000	0.75	2	CW	SP	Ball	D342078P01	D342079P01	7002-3443	
A146	1/100	115	3000	1.0-0.35	2	CW	SP	Sleeve	7021-7986 X3804276047	7021-8925	7002-2531	
A370	1/100	208-230	2920	0.18	2	CCW	PSC	Ball	C664099P01	7062-3918		
A194	1/80	115	3000/1950	1.0/0.5	2	CW	SP	Sleeve	X38020420017 7021-9561	D330900P01	7021-9511	
A069	1/70	208-230	3000	0.5	1	CCW	SP	Sleeve	38040252 X3804025202	7021-10259	X38040252017	
A197	1/70	33-110	1500/4700	1.0	VAR	CW	3 PHASE	Ball	X38010571010	D342097P01	7092-0238	
A367	1/60	115	3000	0.95	2	CW	SP	Sleeve	21D340096P02	7021-8051	7021-9011	
A276	1/55	115	3000	1.0	1	CW	SP	Sleeve	D330757P01	7021-9011		
A143	1/50	115	3000	0.95	1	CW	SP	Sleeve	210330673 R7-RFB143	210340125 7021-8428	X38040305017 D330809P01	
A278	1/50	115	3000	1.4	2	CW	SP	Ball	D341095P02	7002-2530		
A198	1/45	115	3000	1.75	1	CW	SP	Ball	D342077P01	7058-0259		
A199	1/45	115	3000	1.75	1	CW	SP	Ball	D342077P02	7058-0260		
A260	1/45	115	3250	1.0	1	CW	SP	Ball	D342077P03			
A261	1/45	115	3250	1.0	1	CW	SP	Ball	D342077P04	7058-0262		

Notes:
111. Includes special plug



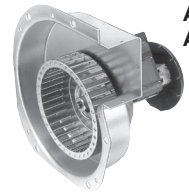
**A262
A263
A268**



A369



A361



**A362
A360**



82057



A075



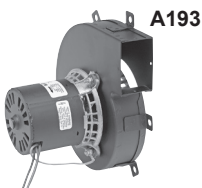
A192



82253



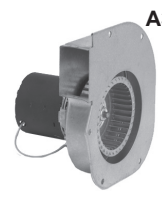
A150



A193



A269



A373



A196



A274



A130



A368

Trane

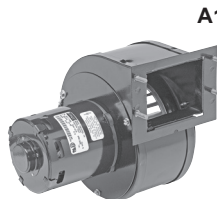
Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Hertz	Replaces	
A262	1/45	115	3250	1.0	1	CW	SP	Ball	60	D342077P05	7058-0263
A263	1/45	115	3250	1.0	1	CW	SP	Ball	60	D342077P06	7058-0264
A268	1/45	115	3000	1.4	2	CW	SP	Ball	60	D342078P06	7002-3447
A369	1/45	208-230	2800	0.34	2	CCW	PSC	Ball	60	C663946P01	7062-3915
A361	1/42	115	3000	1.6	1	CW	SP	Ball	60	D330787P01	7002-2558
A362	1/42	115	3000	1.6	1	CW	SP	Ball	60	D341663P05	7002-3273
82057	1/40	115	3000	1.00	1	CCWSE	SP	Ball	60	X38040253057	
A075	1/40	230	3000	0.4	1	CCW	SP	Ball	60	38050005	X38050005007
A192	1/40	115	3000	1.00	1	CCW	SP	Ball	60	7021-8569	X38040253057
82253	1/35	208/240	3000	0.6/0.5	1	CCW	SP	Ball	60	21C729631P1 7021-10286	C661452P01 7021-7833
A150	1/35	208-230	3000	0.50	1	CCW	SP	Sleeve	60	C661452P01 21C729631P1	X38080029010 BLW-451
A193	1/35	208-240	3480	0.59/0.5	1	CCW	SP	Ball	60	X38040050010	7021-8591
A269	1/35	208-230	2500/3000	0.58/0.6	1	CCW	SP	Ball	50/60	X38040363010	7021-11054
A373	1/35	208-230	3000	0.6	1	CCW	SP	Ball	60	C665662P01	7021-9396
A196	1/25	115	3200	1.35	1	CW	SP	Sleeve	60	X38040313060 D342094P02	X38040313027
A360	1/25	115	2700	1.0	2	CW	SP	Ball	60	D341663P01 7002-2532	D341095P01 7002-3274
A274	1/24	208-230	3500	0.28	1	CW	PSC	Ball	50/60	X38040311-01	7062-3973
A130	1/20	115	3450	0.7	1	CW	PSC	Sleeve	60	X38040313037 D330757P03	D330757P035 21D340365P03
A368	1/20	115	3200	0.8	2	CW	PSC	Sleeve	60	D340623P01	7062-3782



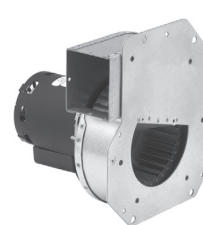
A271
A272
A273



A195



A191



A270



41728



D1050



D895



G2249
G2245
G2247



OTR4513



D2853

Trane

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Hertz	Replaces		
A271	1/18	208-230	3500	0.62	2	CW	PSC	Ball	50/60	X38040308-01	7062-3969	
A195	1/16	115	3400	1.75	1	CW	SP	Ball	—	X38040313070 D330757P03	D342094P03	
A191	1/15	208-230	3000	0.8	1	CCW	SP	Sleeve	—	X38040251017	7021-6683	
A270	1/15	208-230	3350/2800	0.42/0.5	2	CCW	PSC	Ball	50/60	X38040369010	7062-5033	
A272	1/12	208-230	3500	0.65	2	CW	PSC	Ball	50/60	X38040309-01	7062-3971	
A273	1/8	208-230	3500	0.62	2	CW	PCS	Ball	50/60	X38040310-01	7062-3972	
Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	Capacitor Required	Replaces
41728	1/8	230	1550	1.10	CWSE	1/2 x 3	3 1/8	PSC	Sleeve	5	Included	WW94X236SP WW94X936PSC MOT-3438
D1050	1/8	230	1550	1.10	CW	1/2 x 3	3 1/4	PSC	Sleeve	5	Included	WW94X236SP WW94X936PSC
D895	1/8	208-230	1650	0.80	CW	1/2 x 1 1/2		PSC	Sleeve	5 5/8		5KCP39BGR426S MOT6363
G2249	1/8	208-230	1075	0.75	CCW	1/2 x 2 3/4	3 7/8	PSC	Ball	5	5M/370V	D151316P01
OTR4513	1/8	208-240	1550	0.80-0.90	CCWLE	1/2 x 3 1/8	3 3/8	PSC	Sleeve	5	Included	5KSP29DK1728S MOT-3438
G2247	1/6	208-230	1100	1.30	CCWLE	1/2 X 2 3/4	3 7/8	PSC	Ball	5	5M/370V	D151276P01
G2245	1/4	208-230	1075	1.70	CCW	1/2 x 2 3/4	3 7/8	PSC	Ball	5	7.5M/370V	D151060P01 D151269P01 D151270P01
D2853	1/2-1/3	208-230/460	1100/925	2.5-1.9/ 1.4-1.3	Rev.	1/2 x 4	6.05	PSC	Ball	5 5/8	10M/440V	X70670709-01 X70670710



Tyler

Item ID	Watts	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Enclosure	Mounting	Hertz	Replaces
15990	9	115	1550	0.23	1/4 threaded	2 1/2	PSC	Totally Enclosed	Rear mounting	50/60	52179990

Notes:

Special reversing plug for Tyler freezer applications.

Ventline

Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	ENCL.	Hertz	Replaces	Notes
65110K	1/2	120	3000	0.41	1	CW	Splined	SP	Sleeve	Open	60	J238-050-5330	101

Notes:

101. Includes 6 1/2" Fan Blade. Used on Ventline found in many Mobile Homes

Whalen

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Enclosure	Dia. (In.)	Replaces
40485	1/20-1/35	115	1050	1.0	Reversible	1/2 x 2 3/4	3 1/4	PSC	Ball	Open	4.68	DA3D060 DA3D061

Whirlpool

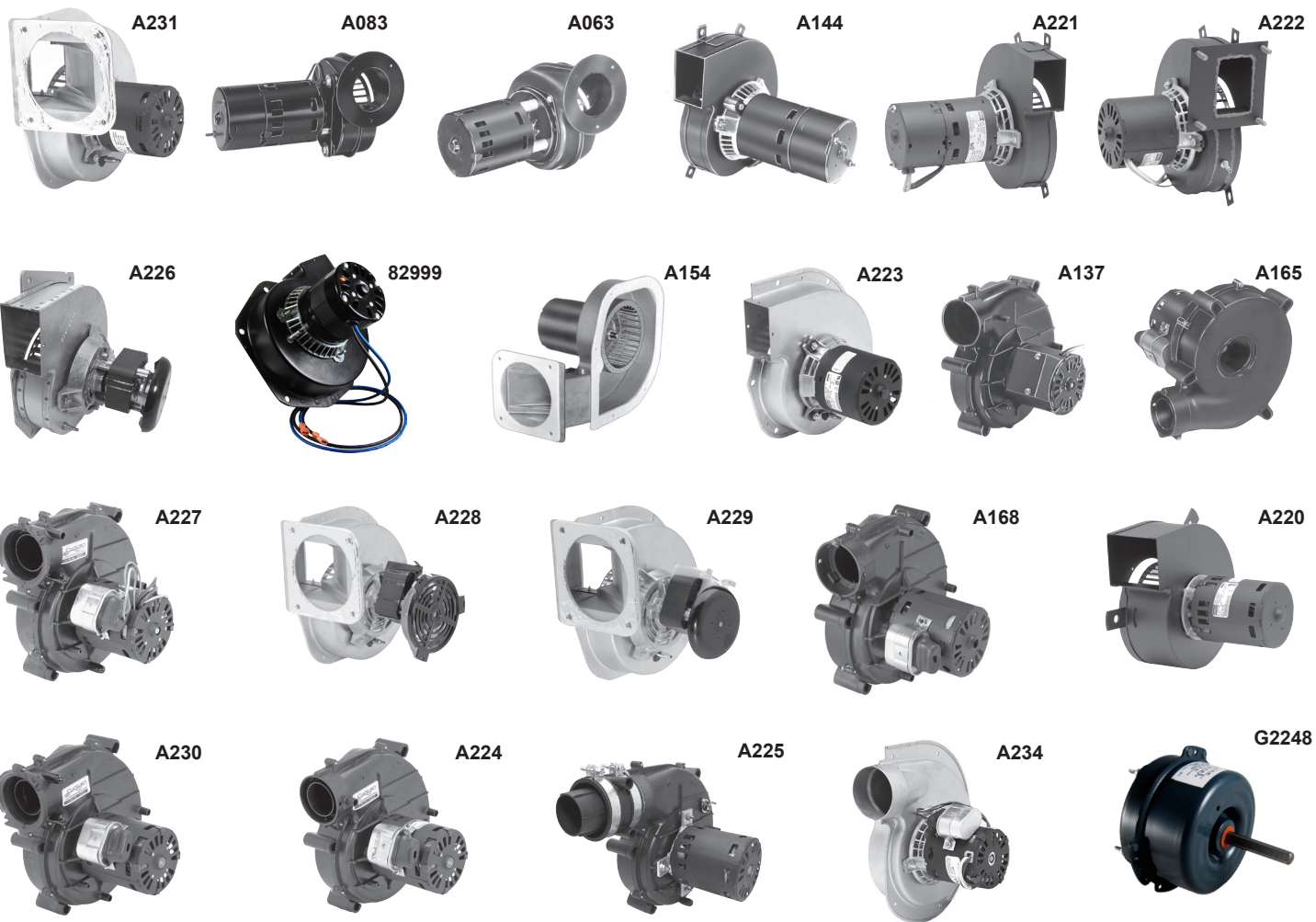
Item ID	Stack Size (In.)	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	Replaces	Notes
65327	1/2	—	120	3000	1.50	1	CCW	Metal Hub	—	SP	Sleeve	—	482468	112
65328	1/2	—	120	3000	0.32	1	CW	Metal Hub	—	SP	Sleeve	—	482469	112
82516	—	1/15	115	1550	2.50	3	CCWLE	3 1/4 x 5/16 x 3 1/4	3 1/4	SP	Sleeve	3.3		

Notes:

112. Motor Manufactured with Howard Industries Tooling. All Metal Hubs.

Williamson

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Dia. (In.)	Replaces
A080	1/45	115	3000	1.1	1	CW	SP	Sleeve	3.3	D6996403, D6996404, 7021-10263
A118	1/15	115	3000	1.8	1	CW	SP	Sleeve	3.3	7021-6999, 7021-7042

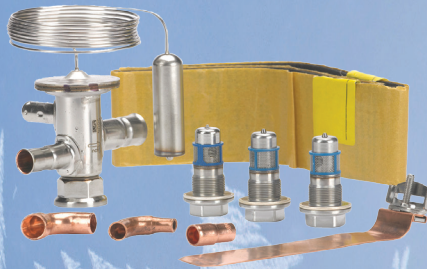


York

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	ENCL.	Replaces		
A231	1/75	115	3000	1.3	2	CW	SP	Sleeve	Open	024-27653-000	7021-10213	7021-10675
A083	1/60	230	3000	0.8	1	CCW	SP	Ball	Open	026-16323-0000	026-20224-000	026-20224-700
A063	1/56	230	3000	0.6	1	CCW	SP	Ball	Open	026-22239-000	026-22234-700	7021-10257
A144	1/40	208-230	3000	0.5	1	CW	SP	Sleeve	Open	7021-6770	024-24115-014	
A221	1/40	208-230	3000	0.55	1	CCW	SP	Sleeve	Open	026-30614-700	026-31221-700	026-32067-700
A222	1/35	115	3000	1.05	1	CCW	SP	Ball	Open	026-32067-000	026-32067-700	7021-7481
A226	1/35	115	3000	1.7	1	CW	SP	Ball	—	024-34490-000	7058-0266	
82999	1/30	208-230	3200	0.65	1	CW	SP	Sleeve	Open	026-33999-001		
A154	1/30	115	3000	1.2	1	CW	SP	Sleeve	Open	024-27519-000	7021-10300	7021-9428
A223	1/30	208-230	3200	0.64	1	CW	SP	Sleeve	Open	026-33999-001	7021-10096	7021-9656
A137	1/25	115	3450	0.70	1	CW	PSC	Sleeve	Open	024-25007-000	024-25007-700	024-25057-000
A165	1/25	115	3450	0.70	1	CW	PSC	Ball	Open	024-25960-000	7062-3958	
A227	1/25	115	3450	0.7	1	CW	PSC	Sleeve	Open	024-27641-000	373-20717-001	
A228	1/25	115	3000	2.0	1	CW	SP	Ball	—	024-31957-000 7002-3285	024-32085-000	7002-2941
A229	1/25	115	3000	1.75	1	CW	SP	Ball	—	024-32052-000	024-32085-000	7058-0267
A168	1/20	115	3450	0.7	1	CW	PSC	Ball	Open	20000101	7062-1881	7062-3136
A220	1/20	115	3000	1.6	1	CW	SP	Ball	Open	026-30887-700 026-27510-700	026-27510-000 7021-5838	026-30887-000 7021-7217
A230	1/20	115	3450	0.8	2	CW	PSC	Sleeve	Open	024-31953-000	7021-5094	
A224	1/18	115	3450	0.8	2	CW	SP	Sleeve	Open	024-27654-000	7062-4743	7062-5048
A225	1/15	115	3200	2.25	1	CW	SP	Ball	Open	024-34558-000 17503	7021-11577	7021-11830
A234	1/12	208-230	3200	0.5	1	CW	PSC	Ball	Open	026-39532-000	7062-5155	7062-5267
G2248	1/8	208-230	1075	0.86	1	CWLE	SP	Sleeve	—	024-27551-000		

KEEPING IT COOL IS SIMPLE

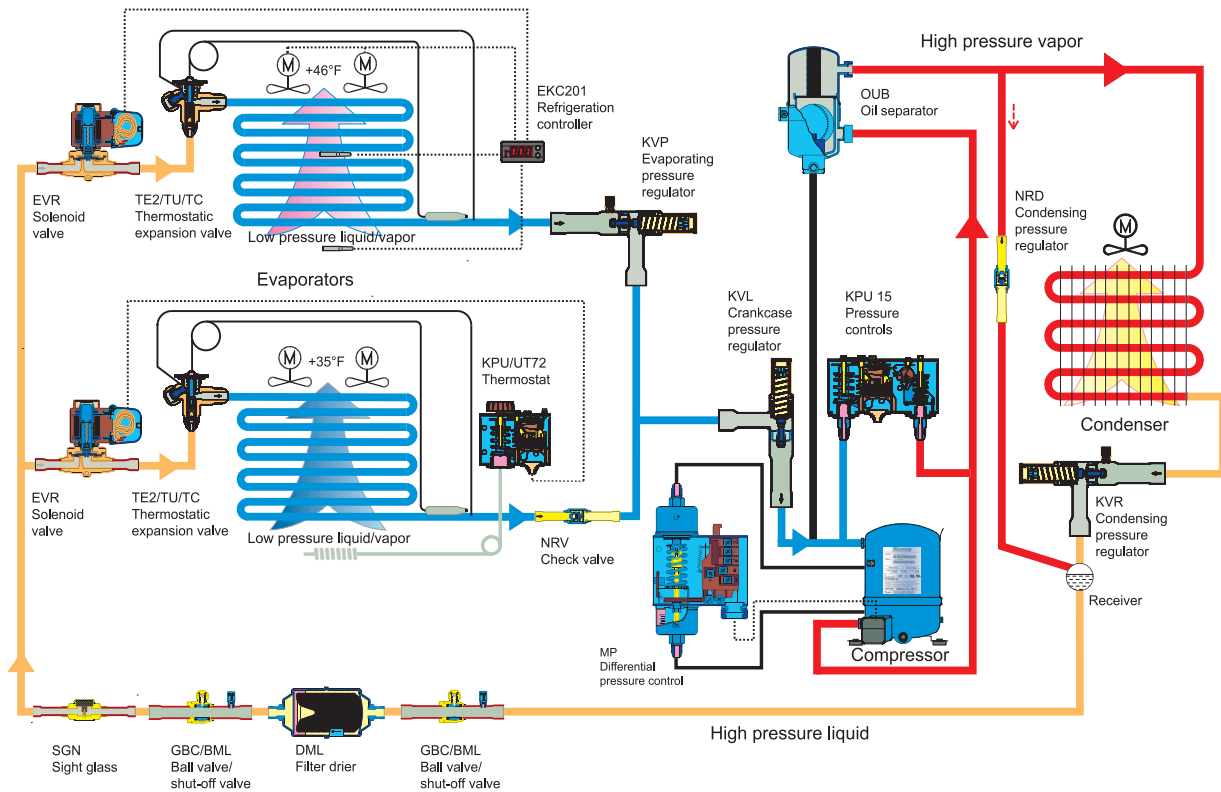
WE ARE YOUR ONE STOP SHOP



We have a large selection of compressors, condensers and heat exchangers.
All of your cooling needs are in stock and ready to ship.

SERVICE | SELECTION | SATISFACTION

Packard



Bristol HCR Series Compressors



Features

- **Approved for R407C and R22**
- **Same tubing and mounting configuration as Copeland CR series**
- **Wiring Harness with plug included**
- **Charged with POE oil**



Made In USA

Item ID	Refrigerant	Nominal H.P.	Voltage	Capacity (Btu)	Foot Mount (In.)	Discharge I.D. (In.)	Suction I.D. (In.)	CCH	Replaces
Bristol	R22, R407C with POE oil - Allows for the use of POE or mineral oil based refrigerants								
HCRB143ABCA	R407C/R22	1 1/4	230/208-1-60	14100	7.5 x 7.5	1/2	3/4	Yes	CR14K6-PFV
HCRB183ABCA	R407C/R22	1 1/2	230/208-1-60	18300	7.5 x 7.5	1/2	3/4	Yes	CR18K6-PFV
HCRB203ABCA	R407C/R22	1 3/4	230/208-1-60	20500	7.5 x 7.5	1/2	3/4	Yes	CR20K6-PFV
HCRB223ABCA	R407C/R22	1 3/4	230/208-1-60	22600	7.5 x 7.5	1/2	3/4	Yes	CR22K6-PFV
HCRB243ABCA	R407C/R22	2	230/208-1-60	24200	7.5 x 7.5	1/2	3/4	Yes	CR24K6-PFV
HCRB283ABCA	R407C/R22	2 1/4	230/208-1-60	28800	7.5 x 7.5	1/2	3/4	Yes	CR28K6-PFV
HCRB323ABCA	R407C/R22	2 1/2	230/208-1-60	31900	7.5 x 7.5	1/2	3/4	Yes	CR32K6-PFV
HCRB303ABCA	R407C/R22	2 3/4	230/208-1-60	29900	7.5 x 7.5	1/2	3/4	Yes	CR30K6-PFV
HCRB353ABCA	R407C/R22	3	230/208-1-60	35700	7.5 x 7.5	1/2	3/4	Yes	CR35K6-PFV

Cross reference comparisons do not imply that all products compared are exact in reference to form, fit and function. Review specifications carefully prior to purchase.

Residential Heat Pump And AC Reciprocating Compressors



Features

- Single phase and three phase
- Designed for easy drop in installation in air conditioning and heat pump applications
- Quick connect wiring connections
- Direct replacement compressors for OEM applications
- Compressors come with internal high pressure relief valve and internal linebreak motor protection
- Compressors come completely dehydrated, fully oil charged with mounting hardware and terminal cover

Item ID	Refrig	Nominal H.P.	Volts-Phase-Hertz	Nominal Capacity (Btu)	Foot (In.)	Discharge I.D. (In.)	Suction I.D. (In.)	CCH	Tecumseh	Replaces Copeland	Bristol
Bristol R22 Series with mineral oil											
H2EB18SABCA	R22	1 1/2	230/208-1-60	17600	7.5 x 7.5	3/8	5/8	NO	AW*F5519	CR18K	H29B18UABCA
H2EB18SABCB	R22	1 1/2	230/208-1-60	17600	4.8 x 8	3/8	5/8	NO	NA (rectangle Foot Mount)	NA (rectangle Foot Mount)	H23B18UABCB
H2EB223ABCA	R22	2	230/208-1-60	21800	7.5 x 7.5	3/8	5/8	NO	AW*5522	CR22K	H29B22UABCA
H2EB24SABCA	R22	2	230/208-1-60	23600	7.5 x 7.5	1/2	3/4	NO	AW*5524	CR24K	H29B24UABCA
H2EB24SABCB	R22	2	230/208-1-60	23600	4.8 x 8	3/8	5/8	NO	NA (rectangle Foot Mount)	NA (rectangle Foot Mount)	H23B24UABCB
H2EB28SABCA	R22	2 1/2	230/208-1-60	28300	7.5 x 7.5	1/2	3/4	NO	AW*5528	CR28K	H29B28UABCA
H2EB283ABCB	R22	2 1/2	230/208-1-60	28300	4.8 x 8	3/8	5/8	NO	—	—	H23B28UABCB
H2EB32SABCA	R22	2 1/2	230/208-1-60	31500	7.5 x 7.5	1/2	3/4	NO	AW*5532	CR32K	H29B32UABCA
Bristol R22, R407C with POE oil - Allows for the use of POE or mineral oil based refrigerants											
H22J153ABCAP	R22/R407C	1 1/4	230/208-1-60	15500	7.5 x 7.5	1/2	3/4	YES	AW*5515	CR16K	H22J15BABCA
H22J183ABCAP	R22/R407C	1 1/2	230/208-1-60	18300	7.5 x 7.5	1/2	3/4	YES	AW*F5518	CR18K	H22J18BABCA
H22J223ABCAP	R22/R407C	2	230/208-1-60	22600	7.5 x 7.5	1/2	3/4	YES	AW*5522	CR22K	H22J22BABCA
H22J253ABCAP	R22/R407C	2	230/208-1-60	24200	7.5 x 7.5	1/2	3/4	YES	AW*5524	CR24K	H22J25BABCA
H22J293ABCAP	R22/R407C	2 1/2	230/208-1-60	28800	7.5 x 7.5	1/2	3/4	YES	A*5528	CR28K	H22J29BABCA
H22J333ABCAP	R22/R407C	2 1/2	230/208-1-60	31900	7.5 x 7.5	1/2	3/4	YES	AW*5532	CR32K	H22J33BABCA
H22J363ABCAP	R22/R407C	3	230/208-1-60	35700	7.5 x 7.5	1/2	3/4	YES	AV*5535	CR35K, CR36K	H22J36BABCA
H22J383ABCAP	R22/R407C	3	230/208-1-60	37800	7.5 x 7.5	1/2	3/4	YES	AV*5538	CR38K	H22J38BABCA
H22J383DBLAP	R22/R407C	3	230/200-3-60	37500	7.5 x 7.5	1/2	3/4	YES	AV*5538	CR38K	H22J383DBLA
H22J383DVBAP	R22/R407C	3	460/380-3-60	37500	7.5 x 7.5	1/2	3/4	YES	AV*5538	CR38K	H22J383DBVA
H22J413DBEAP	R22/R407C	3 1/2	460-3-60	40400	7.5 x 7.5	1/2	3/4	YES	AV*5542	CR41K	H22J413DBEA
H22J413DBLAP	R22/R407C	3 1/2	230/200-3-60	40500	7.5 x 7.5	1/2	3/4	YES	AV*5542	CR41K	H22J413DBLA
H22J413ABCAP	R22/R407C	3 1/2	230/208-1-60	40900	7.5 x 7.5	1/2	3/4	YES	AV*5542	CR41K	H22J41BABCA
H22J443DBDAP	R22/R407C	4	230/208-3-60	44100	7.5 x 7.5	1/2	3/4	YES	AV*5546	CR47K	H22J443DBDA
H22J443DBEAP	R22/R407C	4	460-3-60	44100	7.5 x 7.5	1/2	3/4	YES	AV*5546	CR47K	H22J443DBEA
H22J443ABCAP	R22/R407C	4	230/208-1-60	44100	7.5 x 7.5	1/2	3/4	YES	AV*5546	CR47K	H22J44BABCA
H22A503ABCAP	R22/R407C	4	230/208-1-60	49000	7.5 x 7.5	1/2	7/8	YES	—	—	H22A503ABCA
H22A543ABCAP	R22/R407C	4 1/2	230/208-1-60	53400	7.5 x 7.5	1/2	7/8	YES	AV*5555	CR53K	H22A543ABCA
H22A543DBEAP	R22/R407C	4 1/2	460-3-60	53400	7.5 x 7.5	1/2	7/8	YES	AV*5555	CR53K	H22A543DBEA
H22A543DBLAP	R22/R407C	4 1/2	230/200-3-60	53400	7.5 x 7.5	1/2	7/8	YES	AV*5555	CR53K	H22A543DBLA
H22A563DBLAP	R22/R407C	5	230/208-3-60	55600	7.5 x 7.5	1/2	7/8	YES	AV*5558	—	H22J563DBLA
H22A583ABCAP	R22/R407C	5	230/208-1-60	57100	7.5 x 7.5	1/2	7/8	YES	AV*5558	CRP5-0450	H22A583ABCA
H22A583DBEAP	R22/R407C	5	460-3-60	58400	7.5 x 7.5	1/2	7/8	YES	AV*5558	CRN5-0500	H22A583DBEA
H22A623ABCAP	R22/R407C	5	230/208-1-60	60800	7.5 x 7.5	1/2	7/8	YES	AV*5558	CR60K	H22A623ABCA
H22A623DBEAP	R22/R407C	5	460-3-60	60800	7.5 x 7.5	1/2	7/8	YES	AV*5558	CR60K	H22A623DBEA
H22A623DBLAP	R22/R407C	5	230/200-3-60	60800	7.5 x 7.5	1/2	7/8	YES	AV*5558	CR60K	H22A623DBLA
H29A723DBLAP	R22/R407C	6	230/200-3-60	72400	7.5 x 7.5	1/2	7/8	YES	—	—	H29A723DBLA
Bristol R410A Series											
H82J18BABCA	R410A	1 1/2	230/208-1-60	18100	7.5 x 7.5	1/2	3/4	YES	—	—	H8*J18*ABCA
H82J22BABCA	R410A	2	230/208-1-60	22300	7.5 x 7.5	1/2	3/4	YES	—	CP12K8E-PFV	H8*J22*ABCA
H82J28BABCA	R410A	2 1/2	230/208-1-60	28100	7.5 x 7.5	1/2	3/4	YES	—	CP18K8E-PFV	H8*J28*ABCA
H82J32BABCA	R410A	3	230/208-1-60	32200	7.5 x 7.5	1/2	3/4	YES	—	CP18K8E-PFV	H8*J31*ABCA
H82J40BABCA	R410A	3 1/2	230/208-1-60	39700	7.5 x 7.5	1/2	3/4	YES	—	CP25K8E-PFV	H8*J38*ABCA
H82J50BABCA	R410A	4	230/208-1-60	50300	7.5 x 7.5	1/2	3/4	YES	—	—	H8*J50*ABCA

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Residential Heat Pump And AC Scroll Compressors



Made In USA



Features

- High-quality, quiet, and easy to install
- Universal replacement for air conditioning and heat pump applications
- Same 7.5" square bolt pattern with similar suction/discharge connection heights as Copeland
- Lighter and quieter with 30% fewer parts than Copeland
- Unloaded scroll set eliminates the need for start capacitor
- Superior thermal fault protection (blocked TXV, loss of charge, etc)

										Replaces	
Item ID	MFG #	Refrig	Nominal H.P.	Volts-Phase-Hertz	Capacity (Btu)	Discharge ODF (In.)	Suction ODF (In.)	Copeland	Carlyle	Old Bristol	
Danfoss R22 Series											
HRM025T1LP6	120U2780	R22	2	208-230-1-60	25000	1/2	3/4	ZR25K-PFV	XCD250AA	—	
HRM032U1LP6	120U0921	R22	2 3/4	208-230-1-60	32305	1/2	3/4	ZR28K*-PFV	XCD320HA	H23C323ABCA	
HRM034U1LP6	120U0926	R22	3	208-230-1-60	34103	1/2	3/4	ZR34K*-PFV	XCD340HA	H23C343ABCA	
HRM038U1LP6	120U0931	R22	3	208-230-1-60	38000	1/2	3/4	ZR36K*-PFV	XCD380HA	H23C383ABCA	
HRM038U2LP6	120U1091	R22	3	208-230-3-60	38000	1/2	3/4	ZR36**-*-*-*	XCY382HA	H23C383DBDA	
HRM042U1LP6	120U0941	R22	3 1/2	208-230-1-60	42000	1/2	3/4	ZR42K*-PFV	XCD420HA	H23C423ABCA	
HRM042U2LP6	120U1111	R22	3 1/2	208-230-3-60	42006	1/2	3/4	ZR42K*-TF5	XCY422HA	H23C423DBDA	
HRM047U1LP6	120U0951	R22	4	208-230-1-60	47509	1/2	7/8	ZR47K*-PFV	XCD470HA	H23C473ABCA	
HRM047U2LP6	120U1131	R22	4	208-230-3-60	47511	1/2	7/8	ZR47K*-TF5	XCY472HA	H23C473DBDA	
HRM047U4LP6	120U1051	R22	4	460-3-60 400-3-50	47511	1/2	7/8	ZR47K*-TFD	XCH472HA	H23C473DBEA	
HRM054U1LP6	120U1511	R22	4 1/2	208-230-1-60	54000	1/2	7/8	ZR54K*-PFV	XRD540HA	H23R543ABCA	
HRM054U2LP6	120U1871	R22	4 1/2	208-230-3-60	53705	1/2	7/8	ZR54K*-TF5	XRY542HA	H23R543DBDA	
HRM054U4LP6	120U1696	R22	4 1/2	460-3-60 400-3-50	53705	1/2	7/8	ZR54**-*-*-*	XRH542HA	H23R543DBEA	
HRM058U1LP6	120U1531	R22	4 3/4	208-230-1-60	58000	1/2	7/8	ZR57K*-PFV	XRD580HA	H23R583ABCA	
HRM058U2LP6	120U1876	R22	4 3/4	208-230-3-60	57807	1/2	7/8	ZR57K*-TF5	XRY582HA	H23R583DBDA	
HRM058U4LP6	120U1711	R22	4 3/4	460-3-60 400-3-50	58000	1/2	7/8	ZR57K*-TFD	XRH582HA	H23R583DBEA	
HRM060U1LP6	120U1546	R22	5	208-230-1-60	60000	1/2	7/8	ZR61K*-PFV	XRD600HA	H23R603ABCA	
HRM060U2LP6	120U1881	R22	5	208-230-3-60	60000	1/2	7/8	ZR61K*-TF5	XRY602HA	H23R603DBDA	
HRM060U4LP6	120U1736	R22	5	460-3-60 400-3-50	60000	1/2	7/8	ZR61K*-TFD	XRH602HA	H23R603DBEA	
Danfoss R410A Series											
HRH032U1LP6	120U1141	R410A	2 1/2	208-230-1-60	32000	1/2	3/4	ZP32K3E-PFV			
HRH038U1LP6	120U1156	R410A	3	208-230-1-60	37901	1/2	3/4	ZP38K*-E-PFV	XGD380HA	H83C383ABCA	
HRH040U1LP6	120U1161	R410A	3 1/2	208-230-1-60	41503	1/2	7/8	ZP41K3E-PFV			
HRH040U2LP6	120U1276	R410A	3	208-230-3-60	41510	1/2	7/8	ZP38K*-E-TF5			
HRH040U4LP6	120U1211	R410A	3	460-3-60	41510	1/2	7/8	ZP38K3E-TFD			
HRH044U4LP6	120U1361	R410A	3 3/4	460-3-60 400-3-50	44394	1/2	7/8	ZP44**-*-*-*	XNH442HA	H83R443DBVA	
HRH048U1LP6	120U2582	R410A	4	208-230-1-60	49010	1/2	7/8	ZP49K5E-PFV			
HRH049U4LP6	120U1366	R410A	4	460-3-60	48997	1/2	7/8	ZP50K3E-TFD			
HRH050U2LP6	120U2859	R410A	4	208-230-3-60	50505	1/2	7/8	ZP50K3E-TF5			
HRH054U1LP6	120U1301	R410A	4 1/2	208-230-1-60	54498	1/2	7/8	ZP54K*-E-PFV			
HLH061T1LP6	120U2042	R410A	5	208-230-1-60	60793	1/2	7/8	ZP61K5E-PFV	XND610HA	—	
HLH061T2LC6	120U2062	R410A	5	208-230-3-60	61874	1/2	7/8	ZP61**-*-*-*	XNY612HE	—	
HLH061T4LC6	120U2052	R410A	5	460-3-60 400-3-50	61898	1/2	7/8	ZP61**-*-*-*	XNH612HE	—	

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Commercial Air Conditioning Reciprocating Compressors



Made In USA



H22G



H2DA

Features

- Completely dehydrated, fully oil charged with mounting hardware and terminal cover provided
- Single and two speed compressors
- Internal line break protection through 12 HP
- 15HP through 24HP compressors shipped with external protective module
- Available with Rotolock and sweat connections
- Available with sight glass
- See compressor accessories on page 139-154.

Item ID	Refrig	Nominal H.P.	Volts-Phase-Hertz	Nominal Capacity	Foot (In.)	Discharge (In.) x THD	Suction (In.) x THD	CCH	Module	Replaces Copeland BR	Bristol
Bristol H22G SERIES Single Speed 3 Phase 60 Hertz											
H22G094DBDE #	R22	7 1/2	230/208-3-60	90500	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	230V	N/REQD	BRD20750TFC	H2BG094DBDE #
H22G094DBEE #	R22	7 1/2	460-3-60	88700	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	460V	N/REQD	BRD20750TFD	H2BG094DBEE #
H22G104DBDE #	R22	8 1/2	230/208-3-60	102000	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	230V	N/REQD	BRG20900TFC	H2BG104DBDE #
H22G104DBEE #	R22	8 1/2	460-3-60	103900	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	460V	N/REQD	BRG20900TFD	H2BG104DBEE #
H22G124DBDE #	R22	10	230/208-3-60	121500	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	230V	N/REQD	BRH21000TFC	H2BG124DBDE #
H22G124DBEE #	R22	10	460-3-60	119000	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	460V	N/REQD	BRH21000TFD	H2BG124DBEE #
H22G144DBDE #	R22	12	230/208-3-60	140000	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	230V	N/REQD	BRK21200TFC	H25G144DBDE #
H22G144DBEE #	R22	12	460-3-60	140000	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	460V	N/REQD	BRK21200TFD	H25G144DBEE #
H22G184DPDF #	R22	15	230/208-3-60	183200	10.5 x 10.5	1 1/4 x 12	1 3/4 x 12	230V	115/230V	—	H2NG184DPDF #
H22G184DPEF #	R22	15	460-3-60	183200	10.5 x 10.5	1 1/4 x 12	1 3/4 x 12	460V	115/230V	—	H2NG184DPEF #
H22G204FRDF-R	R22	17	230/208-3-60	212400	10.5 x 10.5	1 1/4 x 12	1 3/4 x 12	230V	115/230V	—	H2NG204FRDF #
H22G204DREF-R	R22	17	460-3-60	212400	10.5 x 10.5	1 1/4 x 12	1 3/4 x 12	460V	115/230V	—	H2NG204DREF #
H22G244FRDF #	R22	20	230/208-3-60	252900	10.5 x 10.5	1 1/4 x 12	1 3/4 x 12	230V	115/230V	—	H2NG244FRDF #
H22G244DREF #	R22	20	460-3-60	252900	10.5 x 10.5	1 1/4 x 12	1 3/4 x 12	460V	115/230V	—	H2NG244DREF #
H22G294FPDF #	R22	24	230/208-3-60	287300	10.5 x 10.5	1 1/4 x 12	1 3/4 x 12	230V	115/230V	—	H2NG294FPDF #
H22G294DPEF-R	R22	24	460-3-60	287300	10.5 x 10.5	1 1/4 x 12	1 3/4 x 12	460V	115/230V	—	H2NG294DPEF #
Bristol Two Speed 3 Phase 60 Hz Rotolock with Sight Glass											
H22G094GPDE-R	R22	7 1/2	230/208-3-60	87700	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	230V	115/230V	—	H2NG094GPDE-R
H22G094GPEE-R	R22	7 1/2	460-3-60	87700	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	460V	115/230V	—	H2NG094GPEE-R
H22G124GPDE-R	R22	10	230/208-3-60	119400	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	230V	115/230V	—	H2NG124GPDE-R
H22G124GPEE-R	R22	10	460-3-60	119400	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	460V	115/230V	—	H2NG124GPEE-R
H22G184GPDF-R	R22	15	230/208-3-60	182300	10.5 x 10.5	1 1/4 x 12	1 3/4 x 12	230V	115/230V	—	H2NG184GPDF-R
H22G184GPEF-R	R22	15	460-3-60	182300	10.5 x 10.5	1 1/4 x 12	1 3/4 x 12	460V	115/230V	—	H2NG184GPEF-R
H22G244GPDF-R	R22	20	230/208-3-60	253300	10.5 x 10.5	1 1/4 x 12	1 3/4 x 13	230V	115/230V	—	H2NG244GPDF-R
H22G244GPEF-R	R22	20	460-3-60	253300	10.5 x 10.5	1 1/4 x 12	1 3/4 x 14	460V	115/230V	—	H2NG244GPEF-R
Bristol Dual Tandem H2DA Series											
H2DA923DBEL	R22	7 1/2	460-3-60	92700	Base plate	3/4 "T" @90° UP W/EXT	1 1/8 T @90° UP	23-40W	—	—	—
H2DA923DBLL	R22	7 1/2	230/200-3-60	92700	Base plate	3/4 "T" @90° UP W/EXT	1 1/8 T @90° UP	23-40W	—	—	—
H2DA114DBEL	R22	9	460-3-60	111300	Base plate	3/4 "T" @90° UP W/EXT	1 1/8 T @90° UP	23-40W	—	—	—
H2DA114DBLL	R22	9	230/200-3-60	111300	Base plate	3/4 "T" @90° UP W/EXT	1 1/8 T @90° UP	23-40W	—	—	—
H2DA124DBEL	R22	10	460-3-60	121600	Base plate	3/4 "T" @90° UP W/EXT	1 1/8 T	23-40W	—	—	—
H2DA124DBLL	R22	10	230/200-3-60	121600	Base plate	3/4 "T" @90° UP W/EXT	1 1/8 T @90° UP	23-40W	—	—	—

Notes:

Please add an "-R" for Rotolock fittings or "-S" for Sweat fittings when ordering.

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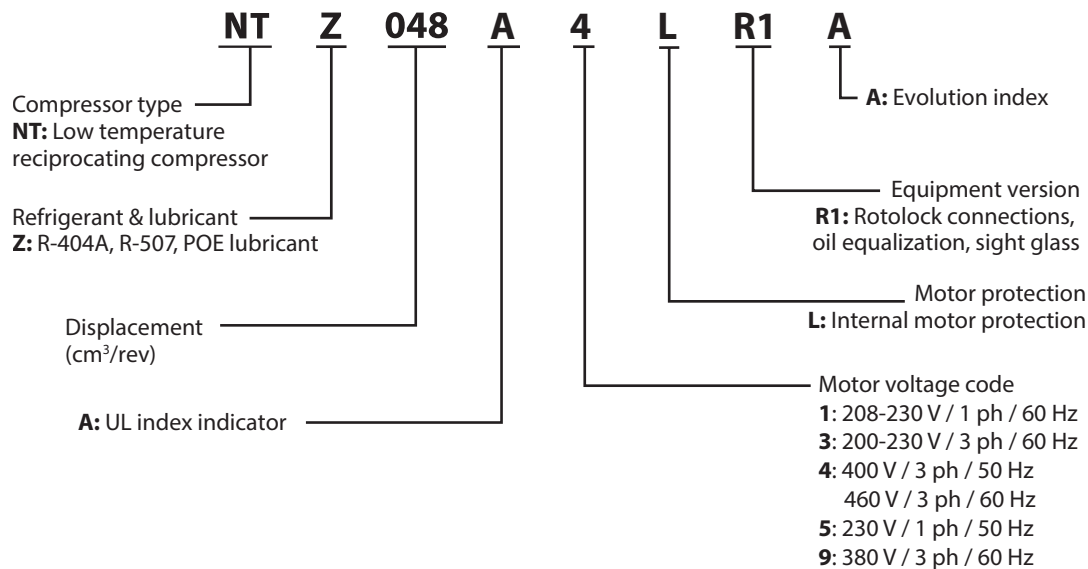
Features

- Replacement for Trane and Tecumseh compressors
- All compressors come with threaded sight glass and 3/8" oil equalization connection
- Parts shipped with compressor:
 - Mounting kit with grommets, bolts, nuts, sleeves and washers
 - Suction and discharge solder sleeves, rotolock nuts and gaskets
 - Initial oil charge and installation instructions

Maneurop Reciprocating Type NTZ Series Compressors

Features

- Compressors are specially designed for low evaporating temperature applications for R-404A, R-507.



208-230/1/60			200-230/3/60			460/3/60			Conn. Type Rotolock (In.)	Conn. w/ Supplied Sleeve (In. ODF)	No. Cylinders
Item ID	Nominal Capacity ¹ (Btu/h)	Danfoss Code No. ²	Item ID	Nominal Capacity ¹ (Btu/h)	Danfoss Code No. ²	Item ID	Nominal Capacity ¹ (Btu/h)	Danfoss Code No. ²			
NTZ048A1LR1A	4547	120F0072	NTZ048A3LR1A	4490	120F0026	NTZ048A4LR1A	4490	120F0001	11/4 x 1	5/8 x 1/2	1
NTZ068A1LR1A	6649	120F0073	NTZ068A3LR1A	7518	120F0027	NTZ068A4LR1A	7518	120F0002	11/4 x 1	5/8 x 1/2	1
NTZ096A1LR1A	9155	120F0074	NTZ096A3LR1A	9110	120F0028	NTZ096A4LR1A	9110	120F0003	13/4 x 11/4	7/8 x 3/4	2
NTZ108A1LR1A	10804	120F0075	NTZ108A3LR1A	10536	120F0029	NTZ108A4LR1A	10536	120F0004	13/4 x 11/4	7/8 x 3/4	2
NTZ136A1LR1A	13900	120F0076	NTZ136A3LR1A	13900	120F0030	NTZ136A4LR1A	13900	120F0005	13/4 x 11/4	11/8 x 3/4	2
			NTZ215A3LR1A	21460	120F0031	NTZ215A4LR1A	21460	120F0006	13/4 x 11/4	11/8 x 3/4	4
			NTZ271A3LR1A	29788	120F0032	NTZ271A4LR1A	29788	120F0007	13/4 x 11/4	11/8 x 3/4	4

¹ Evaporator temperature = -25°F, condensing temperature = 105°F, superheat = 20°F, subcooling = 0°F

² Single compressor, threaded sight glass, 3/8" oil equalization connection

Maneurop Reciprocating MT And MTZ Series Compressors

Features

- Maneurop® MT and MTZ series compressors are of the hermetic reciprocating type and are designed for medium and high evaporating temperature applications.
- The MT series is designed for use with the “traditional” R-22 refrigerant, using Danfoss mineral oil 160P as lubricant.
- The MTZ series is specifically designed for use with the HFC refrigerants R-407C, R-134a, R-404A, and R-507A, using 160PZ polyester oil as lubricant.

208-230/1/60		200-230/3/60		460/3/60		Nominal Capacity (Btu/h) ^{2,3}			Conn. Type Rotolock (In.)	Conn. with Supplied Sleeve (In. ODF)	No. Cylinders
Item ID	Danfoss Code No.	Item ID	Danfoss Code No.	Item ID	Danfoss Code No.	R-22	R-134a	R-404A / R-507			
MT18JA1PVE	MT18-1VI	MT18JA3MVE	MT18-3VI	MT18JA4BVE	MT18-4VI	15903			1 x 1	1/2 x 3/8	1
MT22JC1TVE	MT22-1VI ⁴	MT22JC3MVE	MT22-3VI	MT22JC4AVE	MT22-4VI	21975			1 x 1 ⁽⁴⁾	1/2 x 3/8 ⁽⁴⁾	1
MT28JE1RVE	MT28-1VI ⁴	MT28JE3MVE	MT28-3VI	MT28JE4AVE	MT28-4VI	30231			1 x 1 ⁽⁴⁾	1/2 x 3/8 ⁽⁴⁾	1
MT32JF1MVE	MT32-1VI	MT32JF3EVE	MT32-3VI	MT32JF4DVE	MT32-4VI	33044			1 1/4 x 1	5/8 x 1/2	1
MT36JG1QVE	MT36-1VI	MT36JF3FVE	MT36-3VI	MT36JG4EVE	MT36-4VI	37992			1 1/4 x 1	5/8 x 1/2	1
MT40JH1NVE	MT40-1VI	MT40JH3FVE	MT40-3VI	MT40JH4EVE	MT40-4VI	42930			1 1/4 x 1	5/8 x 1/2	1
MT44HJ1FVE	MT44-1VI	MT44HJ3BVE	MT44-3VI	MT44HJ4AVE	MT44-4VI	43999			1 3/4 x 1 1/4	7/8 x 3/4	2
MT50HK1GVE	MT50-1VI	MT50HK3CVE	MT50-3VI	MT50HK4BVE	MT50-4VI	50160			1 3/4 x 1 1/4	7/8 x 3/4	2
MT56HL1EVE	MT56-1VI	MT56HL3BVE	MT56-3VI	MT56HL4AVE	MT56-4VI	56420			1 3/4 x 1 1/4	7/8 x 3/4	2
MT64HM1FVE	MT64-1VI	MT64HM3DVE	MT64-3VI	MT64HM4CVE	MT64-4VI	64366			1 3/4 x 1 1/4	7/8 x 3/4	2
		MT72HN3CVE	MT72-3VI	MT72HN4AVE	MT72-4VI	74561			1 3/4 x 1 1/4	7/8 x 3/4	2
		MT80HP3CVE	MT80-3VI	MT80HP4AVE	MT80-4VI	84976			1 3/4 x 1 1/4	1 1/8 x 3/4	2
		MT100HS3DVE	MT100-3VI	MT100HS4DVE	MT100-4VI	95898			1 3/4 x 1 1/4	1 1/8 x 3/4	4
		MT125HU3DVE	MT125-3VI	MT125HU4DVE	MT125-4VI	124678			1 3/4 x 1 1/4	1 1/8 x 3/4	4
		MT144HV3VE	MT144-3VI	MT144HV4VE	MT144-4VI	140697			1 3/4 x 1 1/4	1 1/8 x 3/4	4
		MT160HW3DVE	MT160-3VI	MT160HW4DVE	MT160-4VI	156820			1 3/4 x 1 1/4	1 1/8 x 3/4	4
MTZ18JA1AVE	MTZ18-1VI	MTZ18JA3AVE	MTZ18-3VI	MTZ18JA4BVE	MTZ18-4VI		11200	8980	1 x 1	1/2 x 3/8	1
MTZ22JC1BVE	MTZ22-1VI ⁴	MTZ22JC3AVE	MTZ22-3VI	MTZ22JC4AVE	MTZ22-4VI		14849	12306	1 x 1 ⁽⁴⁾	1/2 x 3/8 ⁽⁴⁾	1
MTZ28JE1AVE	MTZ28-1VI ⁴	MTZ28JE3AVE	MTZ28-3VI	MTZ28JE4AVE	MTZ28-4VI		19276	15986	1 x 1 ⁽⁴⁾	1/2 x 3/8 ⁽⁴⁾	1
MTZ32JF1AVE	MTZ32-1VI	MTZ32JF3AVE	MTZ32-3VI	MTZ32JF4BVE	MTZ32-4VI		20949	17480	1 1/4 x 1	5/8 x 1/2	1
MTZ36JG1AVE	MTZ36-1VI	MTZ36JG3AVE	MTZ36-3VI	MTZ36JG4AVE	MTZ36-4VI		24482	20189	1 1/4 x 1	5/8 x 1/2	1
MTZ40JH1AVE	MTZ40-1VI	MTZ40JH3AVE	MTZ40-3VI	MTZ40JH4AVE	MTZ40-4VI		27864	23031	1 1/4 x 1	5/8 x 1/2	1
MTZ44HJ1AVE	MTZ44-1VI	MTZ44HJ3AVE	MTZ44-3VI	MTZ44HJ4AVE	MTZ44-4VI		30110	24323	1 3/4 x 1 1/4	7/8 x 3/4	2
MTZ50HK1BVE	MTZ50-1VI	MTZ50HK3BVE	MTZ50-3VI	MTZ50HK4BVE	MTZ50-4VI		34538	28590	1 3/4 x 1 1/4	7/8 x 3/4	2
				MTZ56HL4AVE	MTZ56-4VI		38881	32451	1 3/4 x 1 1/4	7/8 x 3/4	2
MTZ64HM1BVE	MTZ64-1VI	MTZ64HM3AVE	MTZ64-3VI	MTZ64HM4BVE	MTZ64-4VI		44404	36056	1 3/4 x 1 1/4	7/8 x 3/4	2
		MTZ72HN3BVE	MTZ72-3VI	MTZ72HN4AVE	MTZ72-4VI		50000	40894	1 3/4 x 1 1/4	7/8 x 3/4	2
		MTZ80HP3BVE	MTZ80-3VI	MTZ80HP4AVE	MTZ80-4VI		56336	46521	1 3/4 x 1 1/4	1 1/8 x 3/4	2
		MTZ100HS3VE	MTZ100-3VI	MTZ100HS4VE	MTZ100-4VI		63963	52953	1 3/4 x 1 1/4	1 1/8 x 3/4	4
		MTZ125HU3VE	MTZ125-3VI	MTZ125HU4VE	MTZ125-4VI		78906	68297	1 3/4 x 1 1/4	1 1/8 x 3/4	4
		MTZ144HV3VE	MTZ144-3VI	MTZ144HV4VE	MTZ144-4VI		96936	80472	1 3/4 x 1 1/4	1 1/8 x 3/4	4
		MTZ160HW3VE	MTZ160-3VI	MTZ160HW4VE	MTZ160-4VI		107631	87421	1 3/4 x 1 1/4	1 1/8 x 3/4	4

¹ These compressor models have threaded sight glass and 3/8" flare oil equalization line.

² Evaporator temperature = 45°F, condensing temperature = 130°F, superheat = 20°F, subcooling = 15°F

³ To determine the nominal capacity for R-407C, visit www.danfoss.com/odsg.

⁴ Actual connection for MT and MTZ 22-28 (208-230/1/60) is rotolock 1 1/4" x 1" and connection with supplied sleeve is 5/8" x 1/2" ODF.

Light Commercial Air Conditioning Scroll Compressors



SM Series



H Series

Features

- Economical **Trane Direct Replacements**
- All SM115-SM185 compressors feature brazed connections and thermostat motor protection
- Q as the 7th digit denotes that the compressor has a bracket to enable tandem installation
- Mounting kit with grommets, bolts, nuts, sleeves and washers
- Initial oil charge
- Standard SM product includes sight glass along with oil pick up tube and Schrader Valve for easy oil removal

Item ID	MFG #	Refrig	Volts-Phase-Hertz	Nominal Capacity	Discharge ODF (In.)	Suction ODF (In.)	COM	Replaces Trane	Copeland
R22 Danfoss Performer Universal Scroll Compressors With Upper Mounting Bracket									
SM090S3VC	SM090-3VI	R22	208-230-3-60	90049	3/4	1 1/8		CSHA-090R-0*00 or 0A, CSHS-090R-0*00 or 0A	ZR90K3-TWC, ZR90K3E-TWC
SM090S4VC	SM090-4VI	R22	460-3-60	90049	3/4	1 1/8		CSHA-090K-0*00 or 0A, CSHS-090K-0*00 or 0A	ZR90K3-TWD, ZR90K3E-TWD
SM115S3CC	SM115-3QAI	R22	208-230-3-60	115215	7/8	1 3/8		CSHA-093R-0*00 or 0A, CSHS-093R-0*00 or 0A	ZR108KC-TF5, ZR11M3-TWC
SM115S4CC	SM115-4QAI	R22	460-3-60 400-3-50	115215	7/8	1 3/8		CSHA-093K-0*00 or 0A, CSHS-093K-0*00 or 0A	ZR108KC-TFD, ZR11M3-TWD
SM125S3CC	SM125-3QAI	R22	208-230-3-60	126423	7/8	1 3/8		CSHA-100R-0*00 or 0A, CSHS-100R-0*00 or 0A	ZR125KC-TF5, ZR12M3-TWC
SM125S4CC	SM125-4QAI	R22	460-3-60 400-3-50	126423	7/8	1 3/8		CSHA-100K-0*00 or 0A, CSHS-100K-0*00 or 0A	ZR125KC-TFD, ZR12M3-TWD
SM160T3CC	SM160-3CBI	R22	208-230-3-60	163000	1 1/8	1 5/8		CSHA-125R-0*00 or 0A, CSHS-125R-0*00 or 0A	ZR16M3-TWC
SM160T4CC	SM160-4CBI	R22	460-3-60 400-3-50	163000	1 1/8	1 5/8		CSHA-125K-0*00 or 0A	ZR16M3-TWD
SM175S3CC	SM175-3QAI	R22	208-230-3-60	174355	1 1/8	1 5/8		CSHA-140R-0*00 or 0A, CSHS-140R-0*00 or 0A	—
SM175S4CC	SM175-4QAI	R22	460-3-60 400-3-50	174355	1 1/8	1 5/8		CSHA-140K-0*00 or 0A, CSHS-140K-0*00 or 0A	—
SM185S3CC	SM185-3QAI	R22	208-230-3-60	185474	1 1/8	1 5/8		CSHA-150R-0*00 or 0A, CSHS-150R-0*00 or 0A	ZR190KC-TW5, ZR19M3-TWC
SM185S4CC	SM185-4QAI	R22	460-3-60 400-3-50	185474	1 1/8	1 5/8		CSHA-150K-0*00 or 0A, CSHS-150K-0*00 or 0A	ZR190KC-TWD, ZR19M3-TWD

Made In USA 

Item ID	MFG #	Refrig	Nominal H.P.	Volts-Phase-Hertz	Nominal Capacity	Discharge ODF (In.)	Suction ODF (In.)	Replaces
R22 Danfoss Performer Scroll Compressors								
HLM072T1LP6	120U1566	R22	6	208-230-1-60	72000	1/2	7/8	XRD720AA, ZR72** ****
HLM072T2LC6	120U1896	R22	6	208-230-3-60	72000	1/2	7/8	XRY722AE, ZR72** ****
HLM072T4LC6	120U1751	R22	6	460-3-60 400-3-50	72000	1/2	7/8	XRH722AE, ZR72** ****
HLM075T2LC6	120U1901	R22	6 1/4	208-230-3-60	75000	7/8	1/2	CSHA-075R-0*00 OR 0A, CSHS-075R-0*00 OR 0A, ZR72** ****
HLM075T4LC6	120U1761	R22	6 1/4	460-3-50	75000	7/8	1/2	CSHA-075K-0*00 OR 0A, CSHS-075K-0*00 OR 0A, ZR72** ****
HLM081T2LC6	120U1911	R22	7	208-230-3-60	81000	3/4	7/8	XRY812AE, ZR81** ****
HLM081T4LC6	120U1776	R22	7	460-3-60 400-3-50	81000	3/4	7/8	XRH812AE, ZR81** ****
HCM094T2LC6	120U0891	R22	8	208-230-3-60	94000	7/8	1 1/8	SRY942AE, ZR90** ****
HCM094T4LC6	120U0581	R22	8	460-3-60 400-3-50	94000	7/8	1 1/8	SRH942AE, ZR90** ****
HCM109T4LC6	120U0366	R22	9	460-3-60 400-3-50	109000	7/8	1 1/8	SRH109AE, ZR108** ****
HCM120T2LC6	120U0761	R22	10	208-230-3-60	120000	7/8	1 1/8	CSHA-120R-0*00 OR 0A, CSHS-120R-0*00 OR 0A, ZR12** ****
HCM120T4LC6	120U0391	R22	10	460-3-60 400-3-50	120000	7/8	1 1/8	SRH120AE, ZR12** ****
Danfoss Performer Scroll Compressors R410A								
HLJ083T2LC6	120U1491	R410A	7	208-230/3/60	83092	1/2	7/8	XNY832AE, ZP83** ****
HLJ083T4LC6	120U1401	R410A	7	460-3-60 400-3-50	83092	1/2	7/8	XNH832AE, ZP83** ****
H CJ090T2LC6	120U2307	R410A	8	208-230/3/60	92056	7/8	1 1/8	SNY902AE, ZP90** ****
H CJ090T4LC6	120U2302	R410A	8	460-3-60 400-3-50	91503	7/8	1 1/8	SNY902AE, ZP90** ****
H CJ105T2LC6	120U2327	R410A	9	208-230/3/60	106811	7/8	1 1/8	SNY105AE, ZP103** ****
H CJ105T4LC6	120U2322	R410A	9	460-3-60 400-3-50	108368	7/8	1 1/8	SNY105AE, ZP103** ****
H CJ120T2LC6	120U2347	R410A	10	208-230/3/60	121086	7/8	1 1/8	SNY120AE, ZP120** ****
H CJ120T4LC6	120U2342	R410A	10	460-3-60 400-3-50	121602	7/8	1 1/8	SNY120AE, ZP120** ****

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Refrigeration Compressors



Bristol



Danfoss



Embraco

Features

- Triple duty compressors that may be used in low, medium and high temperature applications
- Direct replacement compressors for Whirlpool, GE and Electrolux appliances
- L1NB Series for ultra low temperature applications
- Replacement compressors for food service equipment, vending machines, bottle coolers, ice machines and other refrigeration equipment
- Copeland and Tecumseh Replacements

Copeland and Tecumseh Replacements											
Item ID	Brand	Nominal H.P.	Volts-Phase- Hertz	LT @ -10°F	BTU MT @ 20°F	HT @ 45°F	Foot (In.)	I.D. Discharge Size (In.)	I.D. Suction Size (In.)	Replaces	
										Tecumseh	Copeland
R12 Blend											
FF8.5BK1	Embraco	1/5	115-1-60	850	1759	3080	4 x 6.5*	5/16	5/16	AEA3430AXA	—
FF10BK1	Embraco	1/4	115-1-60	915	1908	3240	4 x 6.5*	5/16	5/16	AEA3430AXA	—
FF11.5BK1	Embraco	1/4	115-1-60	1130	1893	4000	4 x 6.5*	5/16	5/16	—	—
FFI12BX1	Embraco	1/3	115-1-60	1350	2142	5000	4 x 6.5*	5/16	5/16	AEA4440AXA	ARE41C3-IAA (HST) JFB1-0033-IAA (HST)
L1NB262EBAB	Bristol	—	115-1-60	2400	—	—	4.8 x 8	3/8	5/8	—	—
L1NB262EBCB	Bristol	—	230/208-1-60	2400	—	—	4.8 x 8	3/8	5/8	—	—
R134a											
EMIS30HHR1	Embraco	1/10	115-1-60	340	950	1480	4 x 6.5*	3/16	1/4	AEA0335YXA	—
EM45HHR1	Embraco	1/8	115-1-60	420	1053	1775	4 x 6.5*	3/16	1/4	AZA0350YXA	—
EMI55HER1	Embraco	1/6	115-1-60	510	—	—	4 x 6.5*	3/16	1/4	THG1358YXA	—
FF7.5HBK1	Embraco	1/5	115-1-60	630	1622	2760	4 x 6.5*	1/4	5/16	AEA1360YXA AEA3425YXA	ARB13C3E-SAA
FF8.5HBK1	Embraco	1/4	115-1-60	740	1745	3135	4 x 6.5*	1/4	5/16	AEA3430YXA	AF05C1E-SAA (LST)
FF8.5HBK1C	Embraco	1/4	115-1-60	740	1745	3135	4 x 6.5*	1/4	5/16	AEA4430YXA	ARE27C3E-IAA
NF11FX-1	Danfoss	1/3	115-1-60	1101	2279	4050	4 x 6.5*	1/4	5/16	AEA3440YXA	—
FF10HBX1	Embraco	1/4+	115-1-60	840	—	3650	4 x 6.5*	1/4	5/16	—	—
FF10HBK1	Embraco	1/4+	115-1-60	840	1995	3530	4 x 6.5*	1/4	5/16	—	—
FFI10HBX1	Embraco	1/3	115-1-60	1065	2038	4400	4 x 6.5*	1/4	5/16	AEA4440YXA AEA3440YXA	ARE37C3E-IAA
NEK6187Z1	Embraco	1/3	115-1-60	—	—	3830	4 x 6.5*	1/4	5/16	—	—
FFI12HBX1	Embraco	1/3+	115-1-60	1190	2886	5300	4 x 6.5*	1/4	5/16	AEA4448YXA	ARE41C3E-IAA
SC18G-1	Danfoss	1/2+	115-1-60	1357	3479	6200	4 x 6.5*	1/4	3/8	AKA4460YXA, AEA2413YXA	-
NE2134Z1	Embraco	1/4	115-1-60	1452	—	—	4 x 6.5*	1/4	5/16	AEA2413YXA	AFE12C3E-IAA
EM65HHR1	Embraco	1/6+	115-1-60	—	—	2600	4 x 6.5*	1/4	1/4	—	—
NEK6212Z1	Embraco	1/2	115-1-60	—	—	5178	4 x 6.5*	1/4	5/16	AEA4448Y	ARE46C4E
NEK6214Z1	Embraco	3/4	115-1-60	—	—	5960	4 x 6.5*	1/4	5/16	—	—
NT6215Z1	Embraco	1/2+	115-1-60	—	3705	6626	4.8 x 8.0*	1/4	3/8	AKA4460YXA	RRT62C1-IAA
NT6217Z1	Embraco	3/4	115-1-60	—	3909	7460	4.8 x 8.0*	1/4	3/8	AKA4476YXA	ART64C1E-IAA
NT6217Z2	Embraco	3/4	208/230-1-60	—	3909	7579	4.8 x 8.0*	1/4	3/8	AKA4460YXD	ART64C1E-IAV
NJ6220Z1	Embraco	1	115-1-60	—	—	10169	4.8 x 8.0*	5/16	3/8	—	AR84C1E-IAA
NJ6220Z2	Embraco	1	208/230-1-60	—	—	9090	4.8 x 8.0	5/16	3/8	—	ART64C1E-IAZ
NT6220Z1	Embraco	1	115-1-60	—	8414	8400	4.8 x 8.0*	1/4	3/8	AJA4492*X*	—
NT6220Z2	Embraco	1	208/230-1-60	—	8351	8400	4.8 x 8.0*	1/4	3/8	AJA4492*X*	—
NJ6226Z2	Embraco	1 1/4	208/230-1-60	—	6583	11130	4.8 x 8.0	5/16	3/8	AJA4512YXD	CS10K6E-PFV

* Additional mounting configurations on base plate.

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Refrigeration Compressors



Bristol



Danfoss



Embraco

Features

- Triple duty compressors that may be used in low, medium or high temperature applications
- Direct replacement compressors for Whirlpool, GE and Electrolux appliances
- Replacement compressors for food service equipment, vending machines, bottle coolers, ice machines and other refrigeration equipment
- Copeland and Tecumseh Replacements

					BTU				I.D.	I.D.	Replaces	
Item ID	Brand	Nominal H.P.	Volts-Phase- Hertz	LT @ -10°F	MT @ 20°F	HT @ 45°F	Foot (In.)	Discharge Size (In.)	Suction Size (In.)	Tecumseh	Copeland	
R404A												
TF4CLX-1	Danfoss	1/5	115-1-60	702	1285	—	4 x 6.5*	3/16	1/4	—	—	
TFS4.5CLX-1	Danfoss	1/4	115-1-60	926	—	—	4 x 6.5*	3/16	1/4	AEA2380ZX	—	
NF5.5CLX-1	Danfoss	1/3	115-1-60	1376	2209	—	4 x 6.5*	1/4	5/16	AEA9415ZX AEA9422ZX	—	
NEK2125GK1	Embraco	1/3	115-1-60	1455	—	—	4 x 6.5*	1/4	5/16	AEA2411ZX	AFE11C4E-IAA	
NF7CLX-1	Danfoss	1/3+	115-1-60	1716	2789	—	4 x 6.5*	1/4	5/16	AEA2411ZX AKA9427ZX	—	
NEW NEK2134GK2	Embraco	1/2	208/230-1-60	1858	-	-	4 x 6.5*	1/4	5/16	AJA2419ZX	AFE13C4E	
NEK2134GK1	Embraco	1/2	115-1-60	1947	—	—	4 x 6.5*	1/4	5/16	AJA2419ZX	AFE13C4E-IAA	
SC12CLX.2-1	Danfoss	1/3+	115-1-60	2466	—	—	4 x 6.5*	1/4	5/16	AJA2419ZX	AFT1840C1E-IAA	
NEK2150GK1	Embraco	1/2+	115-1-60	2448	—	—	4 x 6.5*	1/4	5/16	AJA2425ZX	AFE17C4E-IAA	
NT2168GKV1	Embraco	3/4	115-1-60	2628	—	—	4.8 x 8.0*	1/4	3/8	AJA2425ZX	AFT22C1E-IAA	
NT2168GKV2	Embraco	3/4	208/230-1-60	2694	—	—	4.8 x 8.0*	1/4	3/8	AJA2425ZXD	AFT22C1E-CAV	
SC15CLX.2-1	Danfoss	3/4	115-1-60	3000	—	—	4 x 6.5*	1/4	3/8	AJA2425ZX	AFT22C1E-IAA	
SC18CLX.2-1	Danfoss	1	115-1-60	3656	5929	—	4 x 6.5*	1/4	3/8	AJA2425ZX	AFT26C1E-CAV	
NT2180GKV2	Embraco	1	208/230-1-60	3962	—	—	4.8 x 8.0*	1/4	3/8	AJA2425ZXD	AFT296C1E-CFV	
NJ2192GK1	Embraco	1 1/4	115-1-60	4500	—	—	4.8 x 8.0*	5/16	1/2	—	—	
NJ2192GK2	Embraco	1 1/4	208/230-1-60	4502	—	—	4.8 x 8.0	5/16	1/2	AJA2444ZXD	AFJ31C2E-CFV	
L63B562BBAB	Bristol	3/4	115-1-60	4800	—	—	4.8 x 8.0	3/8	5/8	—	—	
L63B562BBCB	Bristol	1/2	208/230-1-60	5100	—	—	4.8 x 8.0	3/8	5/8	—	CS18K6E-PFV	
NEW NT2212GKV1	Embraco	1 1/2	115-1-60	5629	-	-	4.8 x 8.0*	1/4	3/8	AWA2460Z	AFJ37C2E	
NT2212GKV2	Embraco	1 1/2	208/230-1-60	5710	—	—	4.8 x 8.0*	1/4	3/8	AWA2460ZXD	RS86C1E-PFV	
L63B652BBCB	Bristol	1	208/230-1-60	6200	—	—	4.8 x 8.0	3/8	5/8	—	CS18K6E-PFV	
L63B752BBCB	Bristol	3/4	208/230-1-60	7500	—	—	4.8 x 8.0	3/8	5/8	—	CF06KE-PFV	
L63A113BBCA	Bristol	—	230/208-1-60	10600	—	—	7.5 x 7.5	1/2	3/4	—	—	
L63A113DBLA	Bristol	—	230/200-3-60	10800	—	—	7.5 x 7.5	1/2	3/4	—	—	
L63A183BBCA	Bristol	—	230/208-1-60	18000	—	—	7.5 x 7.5	1/2	3/4	—	—	
L63A183DBDA	Bristol	—	230/208-3-60	18000	—	—	7.5 x 7.5	1/2	3/4	—	—	
NEW NEK6210GK1	Embraco	1/2	115-1-60	—	—	5355	4 x 6.5*	1/4	5/16	—	ASE26C4E	
NEW NT6220GKV1	Embraco	3/4	115-1-60	—	—	8464	4.8 x 8.0*	1/4	3/8	AWA9490Z	RST45C1E	
NEW NT6222GKV2	Embraco	1	208/230-1-60	—	—	9992	4.8 x 8.0*	1/4	3/8	AWA9512Z	RST55C1E	
NEW NT6224GKV1	Embraco	1	115-1-60	—	—	12326	4.8 x 8.0*	1/4	3/8	—	—	
NEW NT6224GKV2	Embraco	1	208/230-1-60	—	—	11984	4.8 x 8.0*	1/4	3/8	—	—	
R22, R404A, R407C												
R92J223ABCA	Bristol	—	230/208-1-60	23634	10780	20300	7.5 x 7.5	1/2	3/4	—	—	
R92J343DBVA	Bristol	—	460/380-3-60	34100	17400	33300	7.5 x 7.5	1/2	3/4	—	—	
R92J433ABCA	Bristol	—	230/208-1-60	43640	23100	39700	7.5 x 7.5	1/2	3/4	—	—	
R92J433DBLA	Bristol	—	230/200-3-60	43270	23300	40100	7.5 x 7.5	1/2	3/4	—	—	
R92J433DBVA	Bristol	—	460/380-3-60	42900	23200	39700	7.5 x 7.5	1/2	3/4	—	—	

* Additional mounting configurations on base plate.

Cross reference comparisons do not imply that all products compared are exact in reference to form, fit and function. Review specifications carefully prior to purchase.

Refrigeration Condensing Units



Features

- Broad range of fractional condensing units from 1/4 HP to 1 HP
- Designed for specific applications
- High ambient coil designs
- Quality components selected for longer life and reduced warranty costs

Item ID	Brand	MFG #	Nominal H.P.	Volts-Phase- Hertz	LT @ -10°F	BTU		Version Includes	Replaces	
						MT @ 20°F	HT @ 45°F		Tecumseh	Copeland
R134a										
UCGC0020RWA000B	Danfoss	114N2017	1/5	115-1-60	—	1671	2699	Power Cord	AEA3417	M2FH0020
UCGC0025RWB000B	Danfoss	114N2019	1/4	115-1-60	—	1884	3029	Power Cord, Receiver	AEA4430	M2FH0026
HCGC0033UWC000B	Danfoss	114N2022	1/3	115-1-60	—	2431	3986	Electrical Box, Receiver, Power Cord	—	—
HCGC0055RWB000B	Danfoss	114N2025	5/8	115-1-60	—	5009	7374	Electrical Box, Receiver	AKA4476	M2FH0056
HCGC0075UWC000B	Danfoss	114N2027	3/4	115-1-60	—	6470	11052	Electrical Box, Receiver, Power Cord	AJA4492	FTAHA074
HCGC0075UWC000N	Danfoss	114N2028	3/4	230-1-60	—	6470	11052	Electrical Box, Receiver, Power Cord	AJA4492	FTAHA074
HCGC0100UWD000N	Danfoss	114N2029	1	230-1-60	—	8491	12555	Electrical Box, Reveiver, Low Pressure Control	AJA4512	FTAHA100, FTAHA101
R404A										
UHC0020RWA000B	Danfoss	114N2316	1/5	115-1-60	764	1422	2098	Power Cord	—	—
UHC0025RWB000B	Danfoss	114N2318	1/4	115-1-60	1303	2405	3635	Power Cord, Receiver	—	M4FH0025
UHC0033RWC000B	Danfoss	114N2321	1/3	115-1-60	1577	2915	4340	Electrical Box, Receiver, Power Cord	AKA9429	M4FHA036
UHC0050RWC000B	Danfoss	114N2324	1/2	115-1-60	1959	3878	6030	Electrical Box, Receiver, Power Cord	AKA9440	M4FH0050
UHC0050RWC000N	Danfoss	114N2325	1/2	230-1-60	1959	3878	6030	Electrical Box, Receiver, Power Cord	AKA9440	M4FH0050
HHC0075UWC000B	Danfoss	114N2330	3/4	115-1-60	—	6847	10113	Electrical Box, Receiver, Power Cord	AJA7465	FTAHA0074
HHC0075UWC000N	Danfoss	114N2331	3/4	230-1-60	—	6847	10113	Electrical Box, Receiver, Power Cord	AJA7465	FTAHA0074
LHC0075UWC000B	Danfoss	114N2337	3/4	115-1-60	3460	—	—	Electrical Box, Receiver, Power Cord	—	—
HHC0100UWD000N	Danfoss	114N2332	1	230-1-60	—	6867	10928	Electrical Box, Receiver, Low Pressure Control	—	—
LHC0100UWD000N	Danfoss	114N2339	1	230-1-60	5329	—	—	Electrical Box, Receiver, Low Pressure Control	AWA2448	FJALA100

Cross reference comparisons do not imply that all products compared are exact in reference to form, fit and function. Review specifications carefully prior to purchase.

Refrigeration Condensing Units



Features

- Broad range of condensing units from 1 1/2 HP to 13 1/2 HP
- Designed for specific applications
- High ambient coil designs
- Quality components selected for longer life and reduced warranty costs
- WF version includes: Electrical box, receiver, dual pressure control, fan cycling control, dual fan units larger than 3 HP use KPU fan cycling control, filter drier, sight glass, solenoid valve with coil.

Item ID	Brand	MFG #	Nominal H.P.	Volts-Phase-Hertz	LT @ -10°F	BTU MT @ 20°F	HT @ 45°F	Version Includes	Replaces Tecumseh Copeland	
R404A										
HCZC0150UWF300Q	Danfoss	114N6402	1 1/2	208-230-3-60Fan(s) 230-1-60	—	11135	18503	WF See Features	AWA7512	FJAMA125 FJAMA126 FJAMA150
HCZC0150UWF300R	Danfoss	114N6403	1 1/2	460-3-60	—	11153	18503	WF See Features	AWA7512	FJAMA125, FJAMA126, FJAMA150
HCZC0200UWF300N	Danfoss	114N6404	2	230-1-60	—	14286	22434	WF See Features	AWA7515	VJAF017H FJAMA200
HCZC0200UWF300Q	Danfoss	114N6405	2	208-230-3-60Fan(s) 230-1-60		14286	22434	WF See Features	AWA7515	VJAF017H FJAMA200
LCZC0201UWF300Q	Danfoss	114N6730	2	208-230-3-60Fan(s) 230-1-60	11757	—	—	WF See Features	—	—
HCZC0200UWF300R	Danfoss	114N6406	2	460-3-60	—	14286	22434	WF See Features	AWA7515	VJAF017H, FJAMA200
LCZC0200UWF300R	Danfoss	114N6731	2	460-3-60	11757	—	—	WF See Features	—	—
HCZC0250UWF300N	Danfoss	114N6408	2 1/2	230-1-60	—	18023	28532	WF See Features	—	—
HCZC0250UWF300Q	Danfoss	114N6409	2 1/2	208-230-3-60Fan(s) 230-1-60		18023	28532	WF See Features	—	—
HCZC0300UWF300N	Danfoss	114N6420	3	230-1-60	—	25514	40306	WF See Features	AVA7523	FJAMA300 VJAF030H FJAMA325
LCZC0301UWF300N	Danfoss	114N6733	3	230-1-60	16525	—	—	WF See Features	—	—
HCZC0300UWF300Q	Danfoss	114N6421	3	208-230-3-60Fan(s) 230-1-60	—	25514	40306	WF See Features	AVA7523	FJAMA300 VJAF030H FJAMA325
LCZC0301UWF300Q	Danfoss	114N6734	3	208-230-3-60Fan(s) 230-1-60	16525	—	—	WF See Features	—	—
LCZ0301UWF300R	Danfoss	114N6422	3	460-3-60	16525	—	—	WF See Features	—	—

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Refrigeration Condensing Units



Features

- Broad range of condensing units from 1 1/2 HP to 13 1/2 HP
- Designed for specific applications
- High ambient coil designs
- Quality components selected for longer life and reduced warranty costs
- WF version includes: Box, receiver, dual pressure control, fan cycling control, dual fan units larger than 3 HP use KPU fan cycling control, filter drier, sight glass, solenoid valve with coil.

Item ID	Brand	MFG #	Nominal H.P.	Volts-Phase-Hertz	LT @ -10°F	BTU MT @ 20°F	HT @ 45°F	Version Includes	Replaces Tecumseh	Copeland
R404A										
HGZC0400UWF300N	Danfoss	114N6427	4	230-1-60	—	32798	53103	WF See Features	—	VJAF035Z* VJAF035H
HGZC0400UWF300Q	Danfoss	114N6428	4	208-230-3-60Fan(s) 230-1-60	—	32798	53103	WF See Features	—	VJAF035Z* VJAF035H
LGZC0401UWF300N	Danfoss	114N6737	4	230-1- 60	23251	—	—	WF See Features	—	—
LGZC0401UWF300Q	Danfoss	114N6738	4	208-230-3-60Fan(s) 230-1-60	23251	—	—	WF See Features	—	—
LGZC0401UWF300R	Danfoss	114N6739	4	460-3-60	23251	—	—	WF See Features	—	—
HGZC0500UWF300N	Danfoss	114N6435	5	230-1-60	—	38902	61623	WF See Features	—	FJAMB400 VJAF040Z* VJAF040H FJAMB500 VJAF050Z*
HGZC0500UWF300Q	Danfoss	114N6436	5	208-230-3-60Fan(s) 230-1-60	—	38902	61623	WF See Features	—	FJAMB400 VJAF040Z* VJAF040H FJAMB500 VJAF050Z*
LGZC0601UWF300Q	Danfoss	114N6741	6	208/230-3-60	34487	—	—	WF See Features	—	—
LGZC0601UWF300R	Danfoss	114N6742	6	460-3-60	34487	—	—	WF See Features	—	—
LGZC0751UWF300Q	Danfoss	114N6744	7 1/2	208/230-3-60	43286	—	—	WF See Features	—	—
LGZC0751UWF300R	Danfoss	114N6745	7 1/2	460-3-60	43286	—	—	WF See Features	—	—
HGZC1000UWF300Q	Danfoss	114N6445	10	208/230-3-60	—	79372	115042	WF See Features	—	FJAH100Z
HGZC1000UWF300R	Danfoss	114N6446	10	460-3-60	—	79372	115042	WF See Features	—	FJAH100Z

Cross reference comparisons do not imply that all products compared are exact in reference to form, fit and function. Review specifications carefully prior to purchase.

CH-XP Series - High Pressure Liquid Chillers



Applications

- Designed for R-410a Applications, 1/2 to 80 tons, can be used with other refrigerants as well.

Features

- Easy to install
 - Compact size means it fits easily into confined spaces, especially when replacing a much larger shell-and tube heat exchanger
- High Performance
 - High turbulence created by corrugations in the plates results in closer approach temperatures with much smaller units.
 - Fully brazed construction handles high operating pressures.
 - Copper brazed 316L stainless heat transfer plates
- Proven and Reliable
 - UL listed, CE and ASME Section VIII available
 - Every heat exchanger is tested before it leaves the plant

Item ID	Nominal Tons	Standard Connections			Depth (in.)	Weight (lbs.)
		Ref in (IDS)	Ref out (IDS)	Fluid (IDS)		
5" x 12" Models (4.9"W x 13.2"H)						
CH1/2AW-XP	1/2	5/8	5/8	7/8	1.1	5.9
CH3/4AW-XP	3/4	5/8	5/8	7/8	1.3	6.4
CH1AW-XP	1	5/8	5/8	7/8	1.4	7.0
CH2AW-XP	2	5/8	5/8	7/8	2.1	9.3
CH2-1/2AW-XP	2 1/2	5/8	5/8	7/8	2.5	10.5
CH3AW-XP	3	5/8	5/8	7/8	3.0	12.2
CH3-1/2AW-XP	3 1/2	5/8	7/8	7/8	3.5	14.0
CH4AW-XP	4	5/8	7/8	1 1/8	4.2	16.3
CH5AW-XP	5	5/8	7/8	1 1/8	5.1	19.2
5" x 20" Models (4.9"W x 20.9"H)						
CH1-1/2W-XP	1 1/2	5/8	5/8	7/8	1.1	7.6
CH2W-XP	2	5/8	5/8	7/8	1.3	8.5
CH3W-XP	3	5/8	5/8	7/8	1.6	10.3
CH4W-XP	4	5/8	7/8	1 1/8	2.1	13.1
CH5W-XP	5	5/8	7/8	1 1/8	2.5	14.9
CH6W-XP	6	7/8	1 1/8	1 1/8	3.0	17.7
CH7-1/2W-XP	7 1/2	7/8	1 1/8	1 1/8	3.9	22.3
CH10BW-XP	10	7/8	1 3/8	1 3/8	4.8	26.9
CH12BW-XP	12	7/8	1 3/8	1 3/8	5.7	31.5
CH15BW-XP	15	7/8	1 3/8	1 3/8	6.5	36.1
10" x 20" Models (9.8"W x 20.3"H)						
CH10-XP	10	7/8	1 3/8	1 5/8	2.6	81.0
CH15-XP	15	7/8	1 3/8	1 5/8	4.1	97.0
CH20-XP	20	7/8	1 5/8	1 5/8	5.0	107.0
CH25-XP	25	1 1/8	1 5/8	2 1/8	5.9	117.0
CH30-XP	30	1 1/8	1 5/8	2 1/8	6.8	128.0

CH Series - Liquid Chillers



Applications

- 1/2 - 80 tons

Features

- Easy to install
 - Compact size means it fits easily into confined spaces, especially when replacing a much larger shell-and tube heat exchanger
- High Performance
 - High turbulence created by corrugations in the plates results in closer approach temperatures with much smaller units.
 - Fully brazed construction handles high operating pressures.
 - Copper brazed 316L stainless heat transfer plates
- Proven and Reliable
 - UL listed, CE and ASME Section VIII available
 - Every heat exchanger is tested before it leaves the plant

Item ID	Nominal Tons	Standard Connections			Depth (in.)	Weight (lbs.)
		Ref in (IDS)	Ref out (IDS)	Fluid (IDS)		
5" x 12" Models (4.9"W x 13.2"H)						
CH1/2AW	1/2	5/8	5/8	7/8	1.1	5.9
CH3/4AW	3/4	5/8	5/8	7/8	1.3	6.4
CH1AW	1	5/8	5/8	7/8	1.4	7.0
CH2AW	2	5/8	5/8	7/8	2.1	9.3
CH2-1/2AW	2 1/2	5/8	5/8	7/8	2.5	10.5
CH3AW	3	5/8	5/8	7/8	3.0	12.2
CH3-1/2AW	3 1/2	5/8	7/8	7/8	3.5	14.0
CH4AW	4	5/8	7/8	1 1/8	4.2	16.3
CH5AW	5	5/8	7/8	1 1/8	5.1	19.2
5" x 20" Models (4.9"W x 20.9"H)						
CH1-1/2W	1 1/2	5/8	5/8	7/8	1.1	7.6
CH2W	2	5/8	5/8	7/8	1.3	8.5
CH3W	3	5/8	5/8	7/8	1.6	10.3
CH4W	4	5/8	7/8	1 1/8	2.1	13.1
CH5W	5	5/8	7/8	1 1/8	2.5	14.9
CH6W	6	7/8	1 1/8	1 1/8	3.0	17.7
CH7-1/2W	7 1/2	7/8	1 1/8	1 1/8	3.9	22.3
CH10BW	10	7/8	1 3/8	1 3/8	4.8	26.9
CH12BW	12	7/8	1 3/8	1 3/8	5.7	31.5
CH15BW	15	7/8	1 3/8	1 3/8	6.5	36.1
10" x 20" Models (11.1"W x 21.4"H)						
CH10G	10	7/8	1 3/8	1 5/8	2.5	48.0
CH12G	12	7/8	1 3/8	1 5/8	3.1	54.0
CH15G	15	7/8	1 3/8	1 5/8	4.0	64.0
CH20G	20	7/8	1 3/8	1 5/8	4.9	74.0
CH25G	25	1 1/8	2 1/8	2 1/8	5.8	85.0
CH30G	30	1 1/8	2 1/8	2 1/8	6.7	95.0
CH35G	35	1 1/8	2 1/8	2 5/8	8.5	115.0
CH40G	40	1 1/8	2 1/8	2 5/8	9.4	125.0
CH50G	50	1 1/8	2 1/8	2 5/8	12.1	156.0

2C Series - Two Refrigerant Liquid Chillers



Features

- Easy to install
 - Compact size means it fits easily into confined spaces, especially when replacing a much larger shell-and tube heat exchanger
- High Performance
 - High turbulence created by corrugations in the plates results in closer approach temperatures with much smaller units.
 - Fully brazed construction handles high operating pressures.
- Copper brazed 316L stainless heat transfer plates
- Proven and Reliable
 - UL listed, CE and ASME Section VIII available
 - Every heat exchanger is tested before it leaves the plant

Item ID	Nominal Tons	Standard Connections		Fluid (IDS)	Depth (in.)	Weight (lbs.)
		Ref in (IDS)	Ref out (IDS)			
2 Circuit 10" x 20" Models (9.8"W x 20.3"H)						
CH10-2C	10	7/8	1 1/8	1 1/2" MPT	2.7	64.1
CH15-2C	15	7/8	1 1/8	1 1/2" MPT	3.8	76.7
CH30-2C	30	7/8	1 1/8	1 1/2" MPT	7.0	115.0
CH30-2C-XP	30	7/8	1 3/8	2" MPT	7.1	140.0
CH35-2C	34	7/8	1 1/8	1 1/2" MPT	8.5	131.0
CH50-2C	50	1 1/8	1 1/2	2 1/2 MPT	12.1	173.0
CH60-2C	60	1 1/8	2 1/8	2 1/2 MPT	13.9	194.0

CHN Series - All Stainless Steel Liquid Chillers



Features

- Easy to install
 - Compact size means it fits easily into confined spaces, especially when replacing a much larger shell-and tube heat exchanger
- High Performance
 - High turbulence created by corrugations in the plates results in closer approach temperatures with much smaller units.
 - Fully brazed construction handles high operating pressures.
- Nickel-chrome brazed 316L stainless heat transfer plates
- Proven and Reliable
 - UL listed, CE and ASME Section VIII available
 - Every heat exchanger is tested before it leaves the plant

Item ID	Nominal Tons	Standard Connections			Depth (in.)	Weight (lbs.)
		Ref in (IDS)	Ref out (IDS)	Fluid (IDS)		
5" x 12" Models (4.9"W x 12.2"H)						
CHN1/2A	1/2	5/8	5/8	1" MPT	1.1	5.0
CHN2A	2	5/8	5/8	1" MPT	2.2	8.9
CHN3A	3	5/8	5/8	1" MPT	3.1	12.1
10" x 20" Models (9.8"W x 20.3"H)						
CHN20	20	7/8	1 5/8	1 1/2" MPT	4.9	74.4
CHN35	35	1 1/8	2 1/8	2 1/2" MPT	8.5	115.0

SC-XP Series - High Pressure Subcoolers



Applications

- Designed for R-410A Applications, 1 to 120 tons, can be used with other refrigerants as well

Features

- Easy to install - Compact size means it fits easily into confined spaces, especially when replacing a much larger shell-and tube heat exchanger
- High Performance
 - High turbulence created by corrugations in the plates results in closer approach temperatures with much smaller units.
 - Fully brazed construction handles high operating pressures.
- Copper brazed 316L stainless heat transfer plates
- Proven and Reliable

Item ID	Nominal Tons	Standard Connections			Depth (in.)	Weight (lbs.)
		Ref in (IDS)	Ref out (IDS)	Fluid (IDS)		
5" x 12" Models (4.9"W x 13.2"H)						
SC1W-XP	1	5/8	7/8	1 1/8	1.1	5.9
SC2W-XP	2	5/8	7/8	1 1/8	1.4	7.0
SC4W-XP	4	5/8	7/8	1 1/8	2.1	9.3
SC5W-XP	5	7/8	1 1/8	1 1/8	2.3	9.9
SC7W-XP	7 1/2	7/8	1 1/8	1 1/8	3.0	12.2
SC8W-XP	8	7/8	1 3/8	1 3/8	3.5	14.0
SC10W-XP	10	7/8	1 3/8	1 3/8	3.9	15.1
SC12W-XP	12	7/8	1 3/8	1 3/8	4.8	18.0
SC14W-XP	14	7/8	1 3/8	1 3/8	5.7	20.9

SC Series - Subcoolers



Applications

- 1 to 120 tons

Features

- Easy to install - Compact size means it fits easily into confined spaces, especially when replacing a much larger shell-and tube heat exchanger
- High Performance
 - High turbulence created by corrugations in the plates results in closer approach temperatures with much smaller units.
 - Fully brazed construction handles high operating pressures.
- Copper brazed 316L stainless heat transfer plates
- Proven and Reliable

Item ID	Nominal Tons	Standard Connections			Depth (in.)	Weight (lbs.)
		Ref in (IDS)	Ref out (IDS)	Fluid (IDS)		
5" x 12" Models (4.9"W x 13.2"H)						
SC1W	1	5/8	7/8	1 1/8	1.1	5.9
SC2W	2	5/8	7/8	1 1/8	1.4	7.0
SC4W	4	5/8	7/8	1 1/8	2.1	9.3
SC5W	5	7/8	1 1/8	1 1/8	2.3	9.9
SC7W	7 1/2	7/8	1 1/8	1 1/8	3.0	12.2
SC8W	8	7/8	1 3/8	1 3/8	3.5	14.0
SC10W	10	7/8	1 3/8	1 3/8	3.9	15.1
SC12W	12	7/8	1 3/8	1 3/8	4.8	18.0
SC14W	14	7/8	1 3/8	1 3/8	5.7	20.9
10" x 20" Models (11.1"W x 21.4"H)						
SC16G	16	1 1/8	1 5/8	2 1/8	2.3	33.0
SC22G	22	1 1/8	1 5/8	2 1/8	3.3	44.0
SC28G	28	1 1/8	2 1/8	2 5/8	4.2	55.0

HP-XP Series - High Pressure Heat Pumps



Applications

- Designed for R-410A applications, can be used with other refrigerants as well

Features

- Easy to install
 - Compact size means it fits easily into confined spaces, especially when replacing a much larger shell-and tube heat exchanger
- High Performance
 - High turbulence created by corrugations in the plates results in closer approach temperatures with much smaller units.
 - Fully brazed construction handles high operating pressures.
- Copper brazed 316L stainless heat transfer plates
- Proven and Reliable
 - UL listed, CE and ASME Section VIII available
 - Every heat exchanger is tested before it leaves the plant

Item ID	Nominal Tons	Standard Connections			Depth (in.)	Weight (lbs.)
		Ref in (IDS)	Ref out (IDS)	Fluid (IDS)		
5" x 12" Models (4.9"W x 13.2"H)						
HP1/2AW-XP	1/2	5/8	5/8	7/8	1.1	5.9
HP3/4AW-XP	3/4	5/8	5/8	7/8	1.3	6.4
HP1AW-XP	1	5/8	5/8	7/8	1.4	7.0
HP2AW-XP	2	5/8	5/8	7/8	2.1	9.3
HP2-1/2AW-XP	2 1/2	5/8	5/8	7/8	2.5	10.5
HP3AW-XP	3	5/8	5/8	7/8	3.0	12.2
HP3-1/2AW-XP	3 1/2	5/8	7/8	7/8	3.5	14.0
HP4AW-XP	4	5/8	7/8	1-1/8	4.2	16.3
HP5AW-XP	5	5/8	7/8	1-1/8	5.1	19.2
5" x 20" Models (4.9"W x 20.9"H)						
HP1-1/2W-XP	1 1/2	5/8	5/8	7/8	1.1	7.6
HP2W-XP	2	5/8	5/8	7/8	1.3	8.5
HP3W-XP	3	5/8	5/8	7/8	1.6	10.3
HP4W-XP	4	5/8	7/8	1 1/8	2.1	13.1
HP5W-XP	5	5/8	7/8	1 1/8	2.5	14.9
HP6W-XP	6	7/8	1 1/8	1 1/8	3.0	17.7
HP7-1/2W-XP	7 1/2	7/8	1 1/8	1 1/8	3.9	22.3
HP10BW-XP	10	7/8	1 3/8	1 3/8	4.8	26.9
HP12BW-XP	12	7/8	1 3/8	1 3/8	5.7	31.5
HP15BW-XP	15	7/8	1 3/8	1 3/8	6.5	36.1

HP Series - Heat Pumps



Features

- Easy to install
 - Compact size means it fits easily into confined spaces, especially when replacing a much larger shell-and tube heat exchanger
- High Performance
 - High turbulence created by corrugations in the plates results in closer approach temperatures with much smaller units.
 - Fully brazed construction handles high operating pressures.
- Copper brazed 316L stainless heat transfer plates
- Proven and Reliable
 - UL listed, CE and ASME Section VIII available
 - Every heat exchanger is tested before it leaves the plant

Item ID	Nominal Tons	Standard Connections			Depth (in.)	Weight (lbs.)
		Ref in (IDS)	Ref out (IDS)	Fluid (IDS)		
5" x 12" Models (4.9"W x 13.2"H)						
HP1/2AW	1/2	5/8	5/8	7/8	1.1	5.9
HP3/4AW	3/4	5/8	5/8	7/8	1.3	6.4
HP1AW	1	5/8	5/8	7/8	1.4	7.0
HP2AW	2	5/8	5/8	7/8	2.1	9.3
HP2-1/2AW	2 1/2	5/8	5/8	7/8	2.5	10.5
HP3AW	3	5/8	5/8	7/8	3.0	12.2
HP3-1/2AW	3 1/2	5/8	7/8	7/8	3.5	14.0
HP4AW	4	5/8	7/8	1 1/8	4.2	16.3
HP5AW	5	5/8	7/8	1 1/8	5.1	19.2
5" x 20" Models (4.9"W x 20.9"H)						
HP1-1/2W	1 1/2	5/8	5/8	7/8	1.1	7.6
HP2W	2	5/8	5/8	7/8	1.3	8.5
HP3W	3	5/8	5/8	7/8	1.6	10.3
HP4W	4	5/8	7/8	1 1/8	2.1	13.1
HP5W	5	5/8	7/8	1 1/8	2.5	14.9
HP6W	6	7/8	1 1/8	1 1/8	3.0	17.7
HP7-1/2W	7 1/2	7/8	1 1/8	1 1/8	3.9	22.3
HP10BW	10	7/8	1 3/8	1 3/8	4.8	26.9
HP12BW	12	7/8	1 3/8	1 3/8	5.7	31.5
HP15BW	15	7/8	1 3/8	1 3/8	6.5	36.1

C-XP Series - High Pressure Liquid Condensers



Applications

- Designed for R-410A applications, 1/2 to 80 tons, can be used with other refrigerants as well

Features

- Easy to install
 - Compact size means it fits easily into confined spaces, especially when replacing a much larger shell-and tube heat exchanger
- High Performance
 - High turbulence created by corrugations in the plates results in closer approach temperatures with much smaller units.
 - Fully brazed construction handles high operating pressures.
- Copper brazed 316L stainless heat transfer plates
- Proven and Reliable
 - UL listed, CE and ASME Section VIII available
 - Every heat exchanger is tested before it leaves the plant

Item ID	Nominal Tons	Standard Connections		Fluid (IDS)	Depth (in.)	Weight (lbs.)
		Ref in (IDS)	Ref out (IDS)			
5" x 12" Models (4.9"W x 13.2"H)						
C1/2AW-XP	1/2	5/8	5/8	7/8	1.1	5.9
C3/4AW-XP	3/4	5/8	5/8	7/8	1.3	6.4
C1AW-XP	1	5/8	5/8	7/8	1.4	7.0
C2AW-XP	2	5/8	5/8	7/8	2.1	9.3
C2-1/2AW-XP	2 1/2	5/8	5/8	7/8	2.5	10.5
C3AW-XP	3	5/8	5/8	7/8	3.0	12.2
C3-1/2A-XP	3 1/2	5/8	5/8	7/8	3.5	14.0
C4AW-XP	4	7/8	5/8	1 1/8	4.2	16.3
C5AW-XP	5	7/8	5/8	1 1/8	5.1	19.2
5" x 20" Models (4.9"W x 20.9"H)						
C2W-XP	2	5/8	5/8	7/8	1.3	8.5
C3W-XP	3	5/8	5/8	7/8	1.6	10.3
C4W-XP	4	7/8	5/8	1 1/8	2.0	12.2
C5W-XP	5	7/8	5/8	1 1/8	2.3	14.0
C6W-XP	6	7/8	5/8	1 1/8	2.5	14.9
C7W-1/2-XP	7 1/2	1 1/8	7/8	1 1/8	3.0	17.7
C10W-XP	10	1 1/8	7/8	1 3/8	3.9	22.3
C12BW-XP	12	1 3/8	7/8	1 3/8	4.8	26.9
C15BW-XP	15	1 3/8	7/8	1 3/8	5.7	31.5

C Series - Liquid Condensers



Applications

- 1/2 - 80 tons

Features

- Easy to install
 - Compact size means it fits easily into confined spaces, especially when replacing a much larger shell-and tube heat exchanger
- High Performance
 - High turbulence created by corrugations in the plates results in closer approach temperatures with much smaller units.
 - Fully brazed construction handles high operating pressures.
- Copper brazed 316L stainless heat transfer plates
- Proven and Reliable
 - UL listed, CE and ASME Section VIII available
 - Every heat exchanger is tested before it leaves the plant

Item ID	Nominal Tons	Standard Connections		Fluid (IDS)	Depth (in.)	Weight (lbs.)
		Ref in (IDS)	Ref out (IDS)			
5" x 12" Models (4.9"W x 13.2"H)						
C1/2AW	1/2	5/8	5/8	7/8	1.1	5.9
C3/4AW	3/4	5/8	5/8	7/8	1.3	6.4
C1AW	1	5/8	5/8	7/8	1.4	7.0
C2AW	2	5/8	5/8	7/8	2.1	9.3
C2-1/2AW	2 1/2	5/8	5/8	7/8	2.5	10.5
C3AW	3	5/8	5/8	7/8	3.0	12.2
C3-1/2AW	3 1/2	5/8	5/8	7/8	3.5	14.0
C4AW	4	7/8	5/8	1 1/8	4.2	16.3
C5AW	5	7/8	5/8	1 1/8	5.1	19.2
5" x 20" Models (4.9"W x 20.9"H)						
C2W	2	5/8	5/8	7/8	1.3	8.5
C3W	3	5/8	5/8	7/8	1.6	10.3
C4W	4	7/8	5/8	1 1/8	2.0	12.2
C5W	5	7/8	5/8	1 1/8	2.3	14.0
C6W	6	7/8	5/8	1 1/8	2.5	14.9
C7-1/2W	7 1/2	1 1/8	7/8	1 1/8	3.0	17.7
C10W	10	1 1/8	7/8	1 3/8	3.9	22.3
C12BW	12	1 3/8	7/8	1 3/8	4.8	26.9
C15BW	15	1 3/8	7/8	1 3/8	5.7	31.5
10" x 20" Models (11.1"W x 21.4"H)						
C15G	15	1 3/8	7/8	1 5/8	4.0	64.0
C20G	20	1 5/8	1 1/8	1 5/8	4.9	74.0
C25G	25	1 5/8	1 1/8	2 1/8	5.8	85.0
C40G	40	2 2/8	1 1/8	2 5/8	9.4	125.0
C50G	50	2 5/8	1 1/8	2 5/8	12.1	156.0

Liquid Heat Exchangers



Features

- Easy to install
 - Compact size means it fits easily into confined spaces, especially when replacing a much larger shell-and-tube heat exchanger
- High Performance
 - High turbulence created by corrugations in the plates results in closer approach temperatures with much smaller units.
 - Fully brazed construction handles high operating pressures.
- Copper brazed 316L stainless heat transfer plates
- Proven and Reliable
 - UL listed, CE and ASME Section VIII available
 - Every heat exchanger is tested before it leaves the plant

Item ID	Standard Connection	Depth (in.)	Weight (lbs.)
5" x 12" Models (4.9"W x 13.2"H)			
FW5X12-8	3/4 MPT	1.1	7.9
FW5X12-14	3/4 MPT	1.6	9.6
FW5X12-16	3/4 MPT	1.8	10.2
FW5X12-20	1 MPT	2.1	11.3
FW5X12-24	1 MPT	2.5	12.5
FW5X12-30	1 1/4 MPT	3.0	14.2
FW5X12-36	1 1/4 MPT	3.5	16.0
FW5X12-40	1 1/4 MPT	3.9	17.1
FW5X12-50	1 1/4 MPT	4.8	20.0
FW5X12-60	1 1/4 MPT	5.7	22.9
FW5X12-70	1 1/4 MPT	6.5	25.8
FW5X12-80	1 1/4 MPT	7.4	28.7
FW5X12-90	1 1/4 MPT	8.3	31.6
FW5X12-100	1 1/4 MPT	9.2	34.5
FW5X12-110	1 1/4 MPT	10.1	37.4
FW5X12-120	1 1/4 MPT	10.9	40.3
5" x 20" Models (4.9"W x 20.9"H)			
FW5X20-8	3/4 MPT	1.1	7.6
FW5X20-10	3/4 MPT	1.3	8.5
FW5X20-14	3/4 MPT	1.6	10.3
FW5X20-20	1 MPT	2.1	13.1
FW5X20-24	1 MPT	2.5	14.9
FW5X20-30	1 MPT	3.0	17.7
FW5X20-36	1 MPT	3.5	20.4
FW5X20-40	1 1/4 MPT	3.9	22.3
FW5X20-50	1 1/4 MPT	4.8	26.9
FW5X20-60	1 1/4 MPT	5.7	31.5
FW5X20-70	1 1/4 MPT	6.5	36.1
FW5X20-80	1 1/4 MPT	7.4	40.7
FW5X20-90	1 1/4 MPT	8.3	45.3
FW5X20-100	1 1/4 MPT	9.2	49.9
FW5X20-110	1 1/4 MPT	10.1	54.5
FW5X20-120	1 1/4 MPT	10.9	59.1
10" x 20" Models (11.1"W x 21.4"H)			
FG10X20-24	1 1/2 MPT	2.5	47.9
FG10X20-36	1 1/2 MPT	3.6	60.2
FG10X20-50	2 MPT	4.9	74.4
FG10X20-60	2 MPT	5.8	84.6
FG10X20-80	2 MPT	7.6	105.0
FG10X20-100	2 1/2 MPT	9.4	125.4
FG10X20-110	2 1/2 MPT	11.2	145.8

Liquid Low Pressure Drop Heat Exchangers



Features

- Copper Brazed - Stainless Steel Plates
- Easy to install
- High Performance
- Proven and Reliable
 - UL listed, CE and ASME Section VIII available
 - Every heat exchanger is tested before it leaves the plant

Item ID	Standard Connection	Depth (in.)	Weight (lbs.)
5" x 12" L Models (4.9"W x 12.2"H)			
FP5X12L-8	3/4 MPT	1.1	5.0
FP5X12L-16	1 MPT	1.8	7.6
FP5X12L-24	1 1/4 MPT	2.5	10.1
10" x 20" L Models (9.8"W x 20.3"H)			
FP10X20L-30	2 1/2 MPT	3.1	54.0

All Stainless Steel, Nickel-Chrome Brazed Liquid Heat Exchanger



Features

- Nickel-Chrome brazed with Studs
- Easy to install
- High Performance
- Proven and Reliable
 - UL listed, CE and ASME Section VIII available
 - Every heat exchanger is tested before it leaves the plant

Item ID	Standard Connection	Depth (in.)	Weight (lbs.)
FPN5X12-10	3/4 MPT	1.3	5.7
FPN10X20-20	1 1/2 MPT	2.2	43.8

Marine Grade Stainless Steel, Nickel-Chrome Brazed Liquid Heat Exchanger



Features

- Easy to install
 - Compact size means it fits easily into confined spaces, especially when replacing a much larger shell-and tube heat exchanger
- High Performance
 - High turbulence created by corrugations in the plates results in closer approach temperatures with much smaller units.
 - Fully brazed construction handles high operating pressures.
- Marine Grade Stainless Steel Heat Transfer Plates
- Proven and Reliable
 - UL listed, CE and ASME Section VIII available
 - Every heat exchanger is tested before it leaves the plant

Item ID	Standard Connection	Depth (in.)	Weight (lbs.)
5" x 12" Models (4.9"W x 12.2"H)			
MPN5X12-10	1 MPT	1.2	9.8
MPN5X12-16	1 MPT	1.8	11.4
MPN5X12-20	1 1/4 MPT	2.1	12.7
MPN5X12-36	1 1/4 MPT	3.6	17.8
MPN5X12-50	1 1/4 MPT	4.9	19.0

Double Wall, Liquid Heat Exchangers

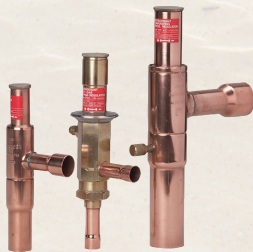


Features

- Copper Brazed - Stainless Steel Plates, With Studs
- Easy to install
 - Compact size means it fits easily into confined spaces, especially when replacing a much larger shell-and tube heat exchanger
- High Performance
 - High turbulence created by corrugations in the plates results in closer approach temperatures with much smaller units.
 - Fully brazed construction handles high operating pressures.
 - Choice of brazing materials (copper or nickel-chrome) broadens the range of media possible. Nickel-Chrome available on 10x20 sizes only.
- Proven and Reliable
 - UL listed, CE and ASME Section VIII available
 - Every heat exchanger is tested before it leaves the plant

Item ID	Standard Connection	Depth (in.)	Weight (lbs.)
5" x 13" Models (4.9"W x 13.1"H)			
DW5X12-10	1 MPT	1.5	6.6
DW5X12-30	1 MPT	3.3	12.6
DW5X12-80	1 1/4 MPT	8.0	27.6

LET US UNTANGLE THE WEB



Our line component selection contains some of the most sought after parts in the market for air conditioning and refrigeration repairs. From durable stainless steel expansion valves, filter driers with solid copper connections or brass sight glasses, our parts are accessible to your business and available when your customer needs them.



Installation Kits for Bristol Compressors



COMPKIT1
COMPKIT2
COMPKIT3



COMPKIT4
COMPKIT5
COMPKIT6
COMPKIT7
COMPKIT8
COMPKIT9



COMPKIT10



VIEW COMPLETE BOM

Features

- Everything you need to install Bristol compressors in one handy box
- Reduce and organize your inventory at one time
- High quality components for superior performance and reduced call backs
- Each Kit Contains three fan capacitors, one compressor (hermetic) capacitor, contactor, filter drier, acid test, wiring harness and assorted copper fittings

Item ID	COMPKIT1
Tons	1 1/2
For Use With Bristol Compressor Model #	H2EB18SABCA H2EB18SABCB H2EB223ABCA

Item ID	COMPKIT2
Tons	2
For Use With Bristol Compressor Model #	H22J22BABCA H2EB24SABCA H2EB24SABCB

Item ID	COMPKIT3
Tons	1 1/4 to 1 1/2
For Use With Bristol Compressor Model #	H22J15BABCA H22J18BABCA

Item ID	COMPKIT4
Tons	2 to 2 1/2
For Use With Bristol Compressor Model #	H22J25BABCA H22J29BABCA

Item ID	COMPKIT5
Tons	3 to 4
For Use With Bristol Compressor Model #	H22A503ABCA H22J33BABCA

Item ID	COMPKIT6
Tons	2 1/2 to 4 1/2
For Use With Bristol Compressor Model #	H2EB283ABCB H22J38BABCA H2EB28SABCA H22A543ABCA H22J36BABCA H2EB32SABCA

Item ID	COMPKIT7
Tons	3 1/2
For Use With Bristol Compressor Model #	H22J41BABCA

Item ID	COMPKIT8
Tons	4
For Use With Bristol Compressor Model #	H22J44BABCA

Item ID	COMPKIT9
Tons	5
For Use With Bristol Compressor Model #	H22A583ABCA H22A623ABCA

Item ID	COMPKIT10
Tons	3 PHASE KIT
For Use With Bristol Compressor Model #	H22J293DBVA H22J443DBEA H22J293DBLA H22J443DBFA H22J333DBVA H22A543DBFA H22J333DBLA H22A543DBLA H22J363DBVA H22A543DBEA H22J363DBLA H22A563DBLA H22J383DBLA H22A623DBEA H22J383DBVA H22A623DBLA H22J413DBLA H22A623DBFA H22J413DBEA H22A723DBLA H22J443DBDA H22A723DBVA

Danfoss KPU Pressure And Temperature Controls



Features

- Designed with contractor input
- Fingertip reset
- High visibility contrast scale
- Fail-safe bellows available
- Durable, rust proof plastic cover
- Universal mounting bracket
- Snap action switch
- Easy to maintain and access contacts with 24 FLA rating
- Large connector area
- Easy, direct replacements for most competitor controls
- Finger-tip test for contact operation

Item ID									
1/4" M flare	36" capillary tube with 1/4" flare nut	Pressure	Type	Reset	Contact system	Range (psig)	Differential (psig)	Max. Working Pressure (psig)	Replaces
Danfoss Pressure Controls									
060-5231	060-5233	Low	KPU 1	Automatic	SPDT	6"-108	10 to 60	250	O10-1483
060-5237	060-5235	Low	KPU 2	Automatic	SPST (open low)	6"-73	6 to 30	250	O10-1402
060-5239	060-5240	Low	KPU 2	Automatic	SPDT	6"-73	6 to 30	250	
060-5232	060-5234	Low	KPU 1B	Manual	SPDT	28"-100	10	250	P70AB12 P70AB2
060-5241	060-5242	Fan cycling	KPU 5	Automatic	SPST (open low)	100-465	25 to 85	510	O10-2054 P70AA118
060-5243	060-5245	High	KPU 6W ²	Automatic	SPDT	100-600	58 to 145	675	O16-108
060-5244	060-5246	High	KPU 6B ²	Manual	SPDT	100-600	60	675	

Item ID		Low pressure side			High pressure side		Reset		Contact system	Max. Working Pressure (low / high side) (psig)	Replaces
1/4" M flare	36" capillary tubes w/ 1/4" flare nuts	Range (psig)	Differential (psig)	Type	Range (psig)	Differential (psig)	Low pressure side	High pressure side			
Danfoss Pressure Controls											
060-5247	060-5248	6" to 108	10 to 60	KPU 15	100-465	60	Automatic	Automatic	SPST dual pressure (LP/HP)	250 / 510	012-1549
060-5249	060-5250	6" to 108	10 to 60	KPU 15B	100-465	60	Automatic	Manual	SPST dual pressure (LP/HP)	250 / 510	P170LB1 ³ P70LB1 P70MA1
060-5253	060-5254	6" to 108	10 to 60	KPU 16B ²	100-600	60	Convertible ³	Convertible ³	SPDT LP/HP signal	250 / 675	012-4834

Item ID	Charge	Type	Bulb type	Capillary tube length (in.)	Reset	Range (°F)	Differential		Max. bulb temp. (°F)	Replaces
Danfoss Temperature Controls										
060L5201	Vapor ¹	KPU 61	Straight Capillary Tube	80	Automatic	-20 to 60	8 to 40	2.5 to 13	250	
060L5206	Vapor ¹	KPU 62	Room sensor	Room sensor	Automatic	-20 to 60	8 to 40	2.5 to 13	250	A19BBC2 O10-1072 O60-1418
060L5215	Vapor ¹	KPU 68	Room sensor	Room sensor	Automatic	25 to 95	8 to 45	3 to 30	250	
060L5208	Adsorption ²	KPU 73	Remote bulb	80	Automatic	-15 to 60	6 to 18	5 to 50	175	A19ABA40 A19ABC24 O10-1408 O10-1409
060L5218	Adsorption ²	KPU 71	Remote bulb	80	Automatic	25 to 70	5.5 to 18	4 to 16	175	
060L5223	Adsorption ²	KPU 77	Remote bulb	80	Automatic	60 to 140	6 to 18	6.3 to 18	265	

¹Competitor Part No. equipped with capillary tube for all but P170LB which has flare connection.

²KPU 6 and high pressure side of KPU 16 are designed with fail-safe double bellows.

Packard Pressure Controls

Features

- 18 inch leads
- Hermetically sealed
- Tamper proof construction
- Direct mounting on tubing
- For use in residential A/C and commercial refrigeration
- 100% tested
- Contacts rated at 6 amps, 24-240 volts
- UL and CSA recognized



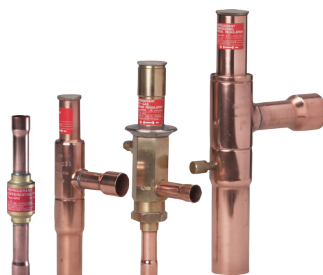
Low Pressure Controls

Item ID	Open psi	Close psi	Tolerance	Replaces
Packard				
PLP0520	5	20	± 5 PSI	SLP0520
PLP1025	10	25	± 5 PSI	SLP1025
PLP1535	15	35	± 5 PSI	SLP1535
PLP2550	25	50	± 5 PSI	SLP2550
PLP2565	25	65	± 5 PSI	SLP2565
PLP2580	25	80	± 5 PSI	SLP2580
PLP4080	40	80	± 5 PSI	SLP4080
PLP5090	50	90	± 5 PSI	SLP5090
Packard Manual High Pressure Control				
PMR410	410		± 15 PSI	SMR410

High Pressure Controls

Item ID	Open psi	Close psi	Tolerance	Replaces
Packard				
PHP200150	200	150	± 15 PSI	SHP200150
PHP250150	250	150	± 15 PSI	SHP250150
PHP275195	275	195	± 15 PSI	SHP275195
PHP300200	300	200	± 15 PSI	SHP300200
PHP350250	350	250	± 15 PSI	SHP350250
PHP375265	375	265	± 15 PSI	SHP375265
PHP400200	400	200	± 15 PSI	SHP400200
PHP400280	400	280	± 15 PSI	SHP400280
PHP400300	400	300	± 15 PSI	SHP400300
PHP425300	425	300	± 15 PSI	SHP425300
PHP450250	450	250	± 15 PSI	SHP450250
PHP600475	600	475	± 15 PSI	33361

Danfoss Pressure Regulators- EPR, CPR, Head Pressure, Hot Gas Bypass



Features

- All valves may be used with all CFC, HCFC or HFC, except R410A
- Hermetic brazed construction - 100% leak tested
- Stainless steel elbows
- Built-in valve seat dampening design
- 1/4" Schrader valve for pressure testing
- Pressure regulation side:
 - KVP/KVR- opens on a rising pressure
 - KVC/KVL- opens on a falling pressure

Rated Capacity (Tons)						Solder ODF Connection (In.)	Setting Range psig	Factory Setting psig	Max Working Pressure PSIG
Item ID	Type	R22	R134a	R404A	R407C				
Danfoss Pressure Regulator									
034N0082	CPCE12	6.2	4.3	6.3	6.7	1/2	0 to 85	5.8	400
034N0083	CPCE15	9.2	6.3	9.1	9.9	5/8	0 to 85	5.8	400
034N0084	CPCE22	12.2	8.4	12.1	12.2	7/8	0 to 85	5.8	400
034L0143	KVC12	2.14	1.36	2.02	2.31	1/2	3 to 85	29	400
034L0147	KVC15	4.17	2.65	3.93	4.5	5/8	3 to 85	29	400
034L0043	KVL12	1.3	0.8	1	1.1	1/2	3 to 85	29	261
034L0049	KVL15	1.3	0.8	1	1.1	5/8	3 to 85	29	261
034L0045	KVL22	1.3	0.8	1	1.1	7/8	3 to 85	29	261
034L0023	KVP12	1.3	0.9	1.2	1.2	1/2	0 to 80	29	261
034L0093	KVR12	Liquid: 12.7 Hot gas: 4.13	Liquid: 11.8 Hot gas: 3.03	Liquid: 8.2 Hot gas: 3.27	Liquid: 13.8 Hot gas: 4.5	1/2	70 to 250	145	400
034L0097	KVR15	Liquid: 12.7 Hot gas: 4.13	Liquid: 11.8 Hot gas: 3.03	Liquid: 8.2 Hot gas: 3.27	Liquid: 13.8 Hot gas: 4.5	5/8	70 to 250	145	400
020-1132	NRD12s*					1/2	70 to 250	145	400

Note: *: NRD generally used in conjunction with a KVR to regulate the condensing pressure.

Danfoss EVR, General Purpose Solenoid Valves



Features

- Danfoss EVR type solenoid valves are general purpose valves designed for use in refrigeration, freezer, and air conditioning systems.
- Valve body and coil ordered separately.

Item ID with manual stem	Item ID without manual stem	Type	Rated capacity R-22 / R-407C (liquid) (tons)	Rated capacity R-134a (liquid) (tons)	Rated capacity R-404A / R-507 (liquid) (tons)	Solder ODF Connection (in.)	Port size (in.)	
Danfoss								
	032F7105	EVR 3	2.03	1.55	1.4	1/4	1/8	
	032F1157	EVR 3	2.03	1.55	1.4	3/8	1/8	
032F7116	032F7115	EVR 6	5.83	4.43	4.01	3/8	15/64	
032F7144	032F1162	EVR 6	5.83	4.43	4.01	1/2	15/64	
032F7148	032F7121	EVR 8	8.01	6.09	5.52	1/2	5/16	
032F7149	032F1168	EVR 10	13.8	10.5	9.53	5/8	3/8	
	032F1171	EVR 15	18.9	14.4	13	5/8	9/16	
032F1004		EVR 18	24.6	18.7	17	7/8	19/32	
032F1177	032F1176	EVR 20	36.4	27.7	25.1	7/8	7/8	
032F7137	032F7145	EVR 22	43.7	33.3	30.1	11/8	15/16	
032F1194	032F1193	EVR 25	72.8	55.4	50.2	13/8	1	
042H1179	042H1178	EVR 32	116.5	88.7	80.3	15/8	7/8	
Item ID	Type (Junction Box) ²	Length of wire (in.)	Type (Conduit Boss) ³	Item ID	Length of wire (in.)	Voltage (V)	Frequency (Hz)	Power consumption (W)
Danfoss								
018F4100	BJ024CS	7	BX024CS	018F4102	18	24	50/60	14
018F4110	BJ120CS	7	BX120CS	018F4112	18	110 120	50/60 60	16 15
018F4120	BJ230CS	7	BX230CS	018F4122	18	208-240 230	60 50	14 17
Item ID	Coil and Opener							
018F0091	Magnetic Solenoid Opener							

Danfoss EVU, Specialty Solenoid Valves



**NO
WET WRAP
REQUIRED**

Features

- Danfoss EVU solenoid valves are designed to fit into compact refrigeration systems. Their lightweight, compact design includes bimetal connections to permit fast, easy soldering without the need for wet wrapping.
- Valve body and coil ordered separately.

Item ID	Body	Connection (in.)	C _v Value (gal/min)	Item ID	Coil (VAC)
Danfoss					
032F5024	EVU 3	1/4	0.35	042N4233	115
032F5026	EVU 3	3/8	0.35	042N4230	220
032F5049	EVU 6	1/2	0.93	042N8236	24

Danfoss TUA/TUAE Series Expansion Valves, Bodies and Orifices

1. Valve Body Selection

Equalization	R-22	R-404A	R-134a
Internal	068U2235	068U2285	068U2205
External	068U2237	068U2287	068U2207

All valves above have 3/8" x 1/2" solder ODF connections and are designed for evaporator temperatures -40°F to 50°F (N charge). Other variations available upon request.



2. Orifice Selection

TUA/TUAE valve capacities are based on the installed orifice. To select the correct size, use one of the two methods below:

A. System characteristics: Select the orifice using appropriate refrigerant, evaporator temperature, and system capacity.

OR

B. Nominal capacity of the installed valve; Use the nominal capacity of the originally installed valve and match with the nominal capacity in chart (3rd. column from left.)

Thermostatic Expansion Valve Service Kits

Features

- Ideal for after hours service calls
- No more recalls for unstocked valves on after hour calls
- Factory superheat setting - adjustment wrench included
- Sizing and selection chart included
- Durable fitted case that is easy to refill at your convenience

000MMK-I (068Z7100)
000MMK-U (068U7000)



MAXIMIZER
(068U7001)

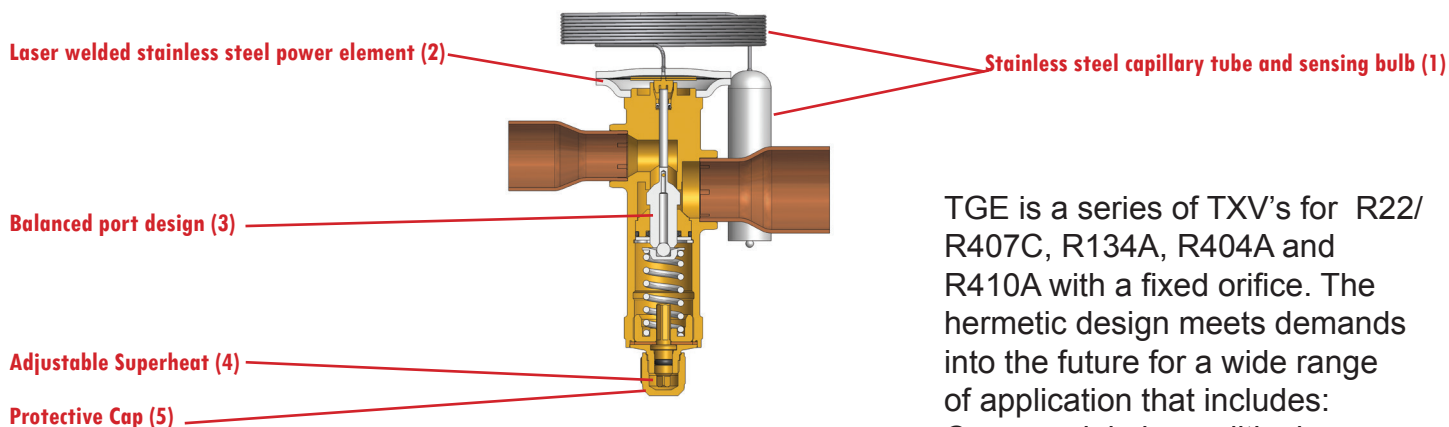
Item ID	Description
068Z7100	Flare valves only T2, TE2 valves only
068U7000	Solder valves only TUA, TUAE valves only
068U7001	Flare and Solder valves T2, TE2, TUA and TUAE valves



IF EXACT CAPACITY IS NOT FOUND, USE NEXT LARGER ORIFICE

R-22			Evaporator Temperature (°F)							
Orifice Size	Item ID	Nominal capacity of installed valve ¹ (tons)	-40	-30	-20	-10	0	25	35	45
0	068U1030	1/8	1/10	1/10	1/10	1/8	1/8	1/6	1/6	1/6
1	068U1031	1/4	1/10	1/8	1/8	1/6	1/8	1/4	1/4	1/4
2	068U1032	1/2	1/8	1/8	1/6	1/6	1/5	1/4	1/4	1/3
3	068U1033	3/4	1/6	1/6	1/4	1/4	1/3	1/3	1/3	1/2
4	068U1034	1	1/4	1/4	1/3	1/3	1/2	1/2	1/2	3/4
5	068U1035	1 1/2	1/3	1/3	1/2	1/2	1/2	3/4	3/4	1
6	068U1036	2	1/2	1/2	3/4	3/4	1	1	1 1/2	2
7	068U1037	3	3/4	3/4	1	1	1 1/2	1 1/2	2	3
8	068U1038	4	1	1 1/4	1 1/2	1 3/4	2	2 1/2	2 1/2	3
9	068U1039	5	1 1/2	1 3/4	2	2 1/2	3	4	4 1/4	4 1/2
R-134a			Evaporator Temperature (°F)							
Orifice Size	Item ID	Nominal capacity of installed valve ¹ (tons)	-40	-30	-20	-10	0	25	35	45
0	068U1030	1/8	1/20	1/15	1/15	1/10	1/10	1/10	1/8	1/8
1	068U1031	1/4	1/20	1/15	1/15	1/10	1/8	1/6	1/5	1/6
2	068U1032	1/2	1/15	1/15	1/10	1/8	1/8	1/5	1/4	1/4
3	068U1033	3/4	1/10	1/10	1/8	1/6	1/6	1/4	1/3	1/3
4	068U1034	1	1/8	1/6	1/6	1/4	1/3	1/2	1/2	1/2
5	068U1035	1 1/2	1/6	1/4	1/4	1/3	1/3	1/2	3/4	3/4
6	068U1036	2	1/4	1/3	1/3	1/2	1/2	1	1	1 1/4
7	068U1037	3	1/3	1/2	1/2	3/4	3/4	1 1/4	1 1/3	1 1/2
8	068U1038	4	1/2	3/4	3/4	1	1 1/3	2	2	2 1/3
9	068U1039	5	3/4	1	1 1/3	1 1/2	2	3	3 1/4	3 1/2
R-404A			Evaporator Temperature (°F)							
Orifice Size	Item ID	Nominal capacity of installed valve ¹ (tons)	-40	-30	-20	-10	0	25	35	45
0	068U1030	1/8	1/20	1/15	1/15	1/10	1/10	1/10	1/8	1/8
1	068U1031	1/4	1/15	1/15	1/10	1/8	1/8	1/6	1/6	1/6
2	068U1032	1/2	1/10	1/10	1/8	1/6	1/6	1/4	1/4	1/4
3	068U1033	3/4	1/8	1/8	1/6	1/6	1/4	1/3	1/3	1/3
4	068U1034	1	1/6	1/5	1/4	1/3	1/3	1/2	1/2	1/2
5	068U1035	1 1/2	1/4	1/4	1/3	1/3	1/2	1/2	3/4	3/4
6	068U1036	2	1/3	1/3	1/2	1/2	3/4	1	1	1
7	068U1037	3	1/2	1/2	3/4	3/4	1	1 1/3	1 1/2	1 1/2
8	068U1038	4	3/4	1	1	1 1/3	1 1/2	2	2 1/4	2 1/2
9	068U1039	5	1	1 1/3	1 1/2	2	2 1/4	3	3 1/3	3 1/2

Danfoss TGE Series Fixed Orifice, Adjustable Superheat Expansion Valves



TGE is a series of TXV's for R22/ R407C, R134A, R404A and R410A with a fixed orifice. The hermetic design meets demands into the future for a wide range of application that includes: Commercial air conditioning systems, Heat Pumps, Chillers, Transport refrigeration.

Features

- Stainless steel capillary tube and bulb
- Laser welded stainless steel power element
- 2-way balance port
- Adjustable superheat
- MAH (Maximum Operating Pressure Anti-Hunt) charge standard for R22/R407C and R410A
- N charge standard for R404A
- Straight-way flow
- Maximum working pressure 667psi

Item ID	Type	Competitor Mode Nos.	Nomimal Capacity (Tons) ³	Solder ODF Connection (in.)	
Danfoss					
R-22 / R-407C, MAH charge ¹					
067N9403	TGEX 10	SVE-5, EVRE-5	HFES-5H	6	1/2 x 5/8
067N9404	TGEX 10	SVE-5, EVRE-5	HFES-5H	6	1/2 x 7/8
067N9406	TGEX 10	SVE-6, EVRE-6		7 1/2	5/8 x 7/8
067N9483	TGEX 10	SVE-6, EVRE-6		7 1/2	5/8 x 11/8
067N9407	TGEX 10	SVE-8, SVE-10, EBSVE 8, EVRE 8, EVRE 10	HFES-8H, HFES-10H, TRAE-10H	11	5/8 x 7/8
067N9409	TGEX 20	EBSVE 11, EVRE 12		12	5/8 x 7/8
067N9411	TGEX 20	EBSVE15, OVE 15	HFES-15H, TRAE-15H	15	5/8 x 11/8
067N9412	TGEX 20	EBSVE15, OVE 15	HFES-15H, TRAE-15H	15	7/8 x 11/8
067N9413	TGEX 20			18	7/8 x 11/8
067N9415	TGEX 40	EBSVE 20, OVE 20	HFES-20H, TRAE 20H	26	7/8 x 13/8
067N9418	TGEX 40	OVE 30	TRAE 30H	30	11/8 x 13/8
067N9419	TGEX 40	OVE 40	TRAE 40H	38	11/8 x 13/8
R-410A, MAH charge ¹					
067N9206	TGEL 10	ERZE-8		9	5/8 x 7/8
067N9207	TGEL 10	ERZE-12.5	TFES-12Z	13	5/8 x 7/8
067N9209	TGEL 20	ERZE-15	TFES-16Z	15	5/8 x 7/8
067N9210	TGEL 20	ERZE-15	TFES-16Z	15	5/8 x 11/8
067N9213	TGEL 20	OZE-20		23	7/8 x 11/8
067N9284	TGEL 20	OZE-20		23	11/8 x 11/8
067N9285	TGEL 40	OZE-25		31	7/8 x 11/8
067N9215	TGEL 40	OZE-25		31	7/8 x 13/8
067N9218	TGEL 40	OZE-35		35	11/8 x 13/8
067N9219	TGEL 40			46	11/8 x 13/8
R-134a, N charge ²					
067N5158	TGEN 10	SJE-5, SJE-6, EBSJE-5	HFES-6M	7	5/8 x 11/8
R-404A / R-507, N charge ²					
067N6151	TGES 10	SSE-3	HFES-3.5S	4	1/2 x 7/8
067N6166	TGES 10	SSE-4	HFES-5S	5	1/2 x 7/8
067N6150	TGES 10	SSE-4	HFES-5S	5	5/8 x 7/8
067N6154	TGES 10	SSE-6, SSE-7, EBSSE-6	HFES-7S	7 1/2	5/8 x 7/8

¹MAH charge: -22°F to 60°F, Max operating temp=300°F

²N charge: -40°F to 50°F, Max operating temp=210°F

Danfoss TR6 Air Conditioning And Heat Pump Expansion Valve Kits

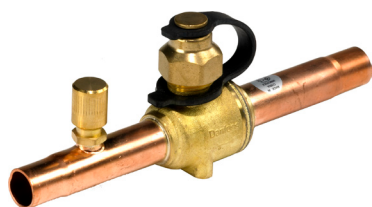
Features

- Complete with valve, bulb strap and instructions
- Includes Aeroquip and Chatleff fittings normally found in most evaporators
- Anti-hunt bulb charge
- Retrofit unit with a capillary tube for energy efficiency upgrade
- Contractor friendly bulb strap
- Durable stainless steel power element and capillary tube
- Ideal to optimize performance of mismatched system
- Internal check valve permits use in heat pump systems



Item ID	Refrigerant	System Capacity (tons)	Solder ODF connection (in.)
Danfoss			
067L5955	R-410A	11/2 - 3	3/8 x 3/8
067L5956		31/2 - 4	3/8 x 3/8
067L5957		41/2 - 5	3/8 x 3/8
067L5856	R-22	11/2 - 2	3/8 x 3/8
067L5857		21/2 - 3	3/8 x 3/8
067L5858		31/2 - 4	3/8 x 3/8
067L5859		5 - 6	3/8 x 3/8

Danfoss Ball Valves



**Maximum flow in open position,
Maximum tightness in closed position**

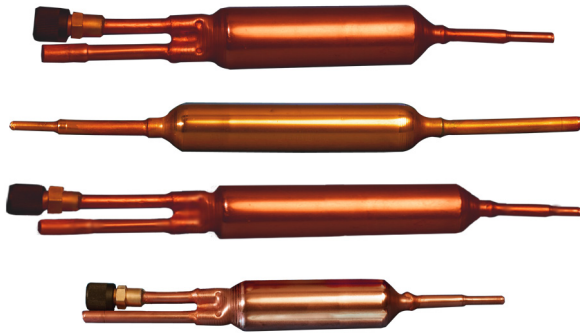
GBC valves are used in liquid, suction and hot gas lines in all refrigeration and air-conditioning systems with fluorinated refrigerants. Danfoss GBC ball valves are manually operated shut-off valves suitable for bi-directional flow. The valve concept includes a high precision laser welding ensuring both a strong and a light slim line valve body design. The design, weld, and choice of the sealing material enables the ball valves to meet the most demanding requirements, for example, the high working pressure when operating with R410A.

Features

- UL, CUL and CSA
- Seal cap with retaining strap
- Pressure rating approved for R410A
- Precision laser welded
- Rotation stops and position indicator
- Full flow with minimum pressure drop
- Panel mounting holes
- Bi-directional flow – valve orientation is unimportant
- Slimline design ensures easy operational handling
- Burst proof spindle design prevents liquid from being trapped internally
- Teflon valve seat to secure maximum tightness and a long lifetime
- Access port with schrader valve reduces cost if service of the system is necessary

Item ID	Alternate Code	Solder ODF connection (in)	C _v value (gal/min)	Weight (lbs)	Max. working pressure (psig)	Max. test pressure (psig)
Danfoss						
009G8050	GBC6S	1/4	2.27	0.52	650	940
009G8051	GBC10S	3/8	6.57	0.52	650	940
009G8052	GBC12S	1/2	12.23	0.54	650	940
009G8053	GBC16S	5/8	16.31	0.54	650	940
009G8054	GBC18S	3/4	23.61	0.86	650	940
009G8065	GBC22S	7/8	32.56	0.94	650	940
009G8066	GBC28S	1 1/8	60.05	1.96	650	940
009G8067	GBC35S	1 3/8	93.51	3.09	650	940
009G8068	GBC42S	1 5/8	139.96	4.91	650	940
009G8059	GBC54S	2 1/8	260.05	9.32	650	940
009G8069	GBC67S	2 5/8	358.36	12.46	650	725

Spun Copper Driers



Item ID	Description	Stamford
Packard		
PD103	1" Directional Drier	4050
PD109	3/4" Non Directional Drier	4051
PD109P	3 Pack of PD109	4051
PD109B	50 Pack of PD109	4051
PD110	3/4" Directional Drier	4040
PD110B	50 Pack of PD110	4040
PD114	1" Directional Drier	4041
PD111	1" Valve Drier	4039
PD111P	3 Pack of PD111	4039
PD111B	50 Pack of PD111	4039
PD112	1" 30 Gram Drier	4049
PD113	1" Double Inlet Drier	4042
PD113B	50 Pack of PD113	4042
PD115	3/4" Valve Drier	4044
PD115P	3 Pack of PD115	4044
PD115B	50 Pack of PD115	4044
PD116	1" Non Directional Drier with Stepdown	4069
PD4178 *	3/4" Universal UV Dye	4178

Features

- All Copper Shells
- 100% Molecular Sieve with XH9 and XH11 desiccants
- Fully Compatible with ALL new refrigerants

* PD4178: New breakthrough drier with UV Dye already installed in the drier to make it easy to locate leaks in sealed systems.

Packard Sight Glass / Moisture Indicators

Features

- Easily visible
- Accurate moisture indicator
- Brass body
- 680 psi max working pressure
- UL recognized
- OEM approved



Item ID	Conn. Size	Connection Type	Overall Length (In.)
Packard			
PSG025FFMF	1/4" SAE	Female x Male Flare	2.44
PSG375FFMF	3/8" SAE	Female x Male Flare	2.52
PSG050FFMF	1/2" SAE	Female x Male Flare	2.64
PSG025ODF	1/4" ODF	Solder	3.98
PSG375ODF	3/8" ODF	Solder	4.69
PSG050ODF	1/2" ODF	Solder	5.75
PSG625ODF	5/8" ODF	Solder	5.75
PSG875ODF	7/8" ODF	Solder	6.81



Sand Screens
See page 231

Danfoss Sight Glass / Moisture Indicators

Features

- Indicates dangerous moisture levels to prevent formation of harmful acids
- Accurate moisture indication for system monitoring
- High visibility view port
- Brass body design minimizes corrosion
- Inline and vessel mount versions available
- UL, CSA approved



Item ID	Description	Conn. Size ODF	Connection Type	Overall Length
Danfoss				
014L0171	SGP 6 N	1/4" SAE	M Flare x F Flare	1.81
014L0172	SGP 10 N	3/8" SAE	M Flare x F Flare	2.24
014L0181	SGP 6s N	1/4"	Solder	3.98
014L0182	SGP 10s N	3/8"	Solder	4.69
014L0183	SGP 12s N	1/2"	Solder	5.75
014L0145	SGP 16s N	5/8"	Solder	5.75
014L0186	SGP 22s N	7/8"	Solder	6.81

Danfoss Liquid Line Filter Driers

Black, high-quality and durable coating offers a cleaner appearance after brazing.

Easy to remove pull-off cap for sweat or twist-off cap for flare.



One-piece plasma welded shell minimizes risk of refrigerant loss.

Eliminator[®] core for the highest possible drying capacity.

High dirt retention - down to 25 μ m particles - with minimal pressure drop.

Features

- Solid core design
- Mixture of molecular sieve and activated alumina ensures excellent absorption of moisture and acid
- Greater protection against contaminants
- Industry leading moisture capacity
- Solid copper connections for easy installation

Item ID	Description	Conn. Size Inches	Cubic Inches	Conn. Type	Length	Liquid Capacity (tons)		
						R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity
Danfoss								
DCL032	023Z5075	1/4	3	Flare	4.33	2.0	2.0	1.4
DCL032S	023Z5013	1/4	3	Sweat	3.86	2.0	2.0	1.4
DCL052	023Z5002	1/4	5	Flare	4.69	2.0	2.3	1.4
DCL052S	023Z5018	1/4	5	Sweat	4.21	2.0	2.3	1.4
DCL053	023Z5003	3/8	5	Flare	5.2	3.66	4.1	2.79
DCL053S	023Z5019	3/8	5	Sweat	4.45	5.1	5.4	4.0
DCL082	023Z5004	1/4	8	Flare	5.71	2.18	2.37	1.55
DCL083	023Z5005	3/8	8	Flare	6.22	4.03	4.56	3.12
DCL083S	023Z5023	3/8	8	Sweat	5.47	5.4	6.0	4.0
DCL084	023Z5006	1/2	8	Flare	6.54	8.14	9.03	6.07
DCL084S	023Z5026	1/2	8	Sweat	5.63	8.14	9.03	6.07
DCL162	023Z5007	1/4	16	Flare	6.06	2.18	2.36	1.54
DCL163	023Z5008	3/8	16	Flare	6.57	6.3	6.9	4.6
DCL163S	023Z5029	3/8	16	Sweat	5.83	6.3	6.9	4.6
DCL164	023Z5009	1/2	16	Flare	6.89	9.15	10.07	6.69
DCL164S	023Z5032	1/2	16	Sweat	5.98	8.6	9.4	6.3
DCL165	023Z5010	5/8	16	Flare	7.24	12.69	14.74 / 15.59	10.41
DCL165S	023Z5033	5/8	16	Sweat	6.22	12.3	13.4	8.6
DCL303	023Z0012	3/8	30	Flare	9.57	4.46	4.72 / 4.40	3
DCL303S	023Z0030	3/8	30	Sweat	8.82	6.0	6.6	4.3
DCL304	023Z0013	1/2	30	Flare	9.88	9.24	10.41 / 10.58	7.11
DCL304S	023Z0031	1/2	30	Sweat	8.98	8.8	9.7	6.3
DCL305	023Z0014	5/8	30	Flare	10.24	13	15.72	10.51
DCL305S	023Z0032	5/8	30	Sweat	9.21	12.6	14.0	9.4
DCL307S	023Z0034	7/8	30	Sweat	9.76	18.27	21.44 / 23.05	15.34
DCL415	023Z0103	5/8	41	Flare	10.28	15.78	17.66	11.9
DCL415S	023Z0105	5/8	41	Sweat	9.25	15.78	17.66	11.9
DCL417S	023Z0106	7/8	41	Sweat	9.8	18.89	22.32 / 24.08	16.01
DCL607S	023Z0036	7/8	60	Sweat	14.71	19.93	25.16 / 30.71	19.94

Danfoss Filter Drier Cores



Item ID	Description	Material
Danfoss		
NEW 023U1392	DCR core insert, type 48-DM solid core	100% molecular sieve
023U4381	DCR core insert, type 48-DC solid core	80% molecular sieve & 20% activated alumina
023U5381	DCR core insert, type 48-DA solid core	30% molecular sieve & 70% activated alumina

Danfoss Suction Line Driers



Features

- Solid core design with mixture of activated alumina and molecular sieve maximizes acid and moisture absorption
- Contains two schrader valves for measuring pressure drop across the drier
- Burn out drier to be installed ahead of compressor

Item ID	Description	Conn. Size (In. ODF)	Cubic Inches	Conn. Type	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity
Danfoss								
DAS164SVV	023Z1009	1/2	16	Sweat	6	1.7	6.3	2.4
DAS165SVV	023Z1010	5/8	16	Sweat	6.2	2.7	4.3	3.7
DAS166SVV	023Z1011	3/4	16	Sweat	6.7	3.4	5.7	4.9
DAS167SVV	023Z1012	7/8	16	Sweat	6.8	3.9	6.3	5.4
DAS306SVV	023Z1014	3/4	30	Sweat	9.7	4	6.3	5.4
DAS307SVV	023Z1015	7/8	30	Sweat	9.8	4.6	7.4	6.3
DAS309SVV	023Z1016	1 1/8	30	Sweat	9.8	5.7	8.9	7.7
DAS419SVV	023Z1018	1 1/8	41	Sweat	9.8	6.3	10	8.6

Danfoss Heat Pump Biflow Filter Driers

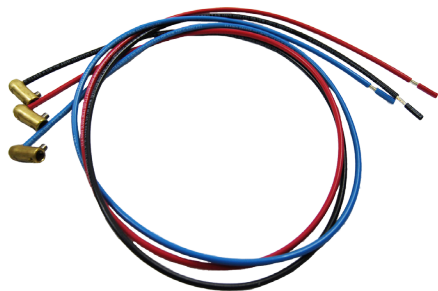


Features

- Solid core design
- Check valves are insensitive to dirt and give minimum restriction regardless of flow direction
- Industry leading moisture capacity
- No dirt released in reverse flow
- High dirt retention – down to 25 µm particles with minimal pressure drop

Item ID	Description	Conn. Size (In. ODF)	Cubic Inches	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity
Danfoss							
DCB083S	023Z1433	3/8	8	5.6	2.1	2.3	1.5
DCB084S	023Z1432	1/2	8	5.7	2.4	2.6	1.7
DCB163S	023Z1437	3/8	16	5.9	5.1	5.7	3.7
DCB164S	023Z1436	1/2	16	6.1	8.0	9.1	5.7
DCB165s	023Z1435	5/8	16	6.3	10.6	11.4	8.3

Three Wire Compressor Terminal Repair Kits



Features

The Term-Lok Kit was designed for the repair of burned or damaged spade terminals or for non burned terminals to prevent future burn off. They are made of high quality, heat sensed brass and are guaranteed for the life of the compressor.

Includes:

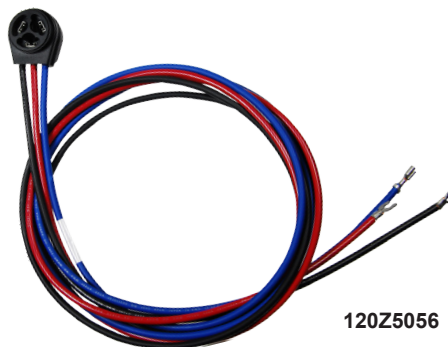
- Brass cylindrical tube with a diameter large enough to slip over the pins
- Stainless set screw to lock onto the terminal
- Wrench for easy installation
- Anti-arcing spacer to prevent arcing between posts.
- Will never crack, break or burn off
- Provides four full points of contact on the new terminal

Item ID	Gauge	Services
Term-LOK		
TLC38	8	5 ton units and above
TLC310	10	3 - 5 ton units
TLC312	12	1 - 3 ton units

Bristol and Danfoss Wiring Harnesses



651078



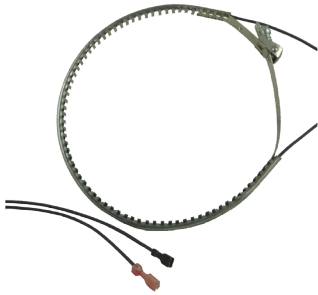
120Z5056

Features

- Most compressor failures may be attributed to mis-wiring the compressor. These wiring harnesses with molded plug help to eliminate costly mis-wires and eliminates the guess work out of wiring in the compressor. The Wiring Harness provides a low cost solution by getting the serviceman to the next job faster.
- For Bristol or Danfoss compressors.

Item ID	Brand	Gauge	Compressor	Length (In.)
Packard				
651078	Bristol	12	Hermetic	36
120Z5056	Danfoss	10	Wire harness, 5', for 200-230V, Scroll	60
120Z5057	Danfoss	10	Wire harness, 5', for 380-575V Scroll	60

Tutco Crankcase Heaters



Features

- High temperature silicone rubber element and VW-1 insulated lead wires rated for 150°C
- Wattage for each model matches compressor requirements
- Nominal power consumption due to highly efficient heat transmission and low wattage
- Voltage ratings through 600 VAC
- Corrosion resistant exterior
- Completely moisture-proof
- Quick and easy installation
- UL recognized
- Custom leads and terminations available

Item ID	Volts	Watts	Girth Dimensions		Shape
			Min	Max	
Tutco					
CH197240	120	25	13 13/16	21	Round
CH19740	240	25	13 13/16	21	Round
CH1982	120	35	16 13/16	24	Oval
CH135240	120	40	23 7/16	27 1/2	Oval
CH13540	240	40	23 7/16	27 1/2	Oval
CH196	240	40	19 15/16	27 1/8	Round
CH2057	460	40	21 3/16	24 3/8	Round
CH1963	480	40	19 15/16	27 1/8	Round
CH103240	120	45	24 13/16	32	Oval
CH10340	240	45	24 13/16	32	Oval
CH184	240	45	13 13/16	21	Round
CH10540	240	50	31 13/16	39	Round
CH101240	120	54	27 7/16	39 5/8	Oval
CH10140	240	54	27 7/16	39 5/8	Oval
CH101340	480	54	27 7/16	39 5/8	Oval
CH10240	240	60	25 13/16	33	Oval

Item ID	Volts	Watts	Girth Dimensions		Shape
			Min	Max	
Tutco					
CH2022	120	70	33 9/16	37 3/8	Round
CH2802	120	70	28	20 13/16	Round
CH202	240	70	33 9/16	37 3/8	Round
CH230	240	70	21 13/16	29	Round
CH280	240	70	28	20 13/16	Round
CH2023	480	70	33 9/16	37 3/8	Round
CH2303	480	70	21 13/16	29	Round
CH2803	480	70	28	20 13/16	Round
CH2552	120	100	35 1/16	28 5/16	Round
CH255	240	100	35 1/16	28 5/16	Round
CH2707	460	100	36	43 3/8	Round
CH2727	460	100	38	30 13/16	Round
CH2553	480	100	35 1/16	28 5/16	Round
CH2822	120	150	38 1/8	45 1/2	Round
CH2557	460	90	27 3/4	35 1/8	Round

Self Regulating Crankcase Heater

Features

- Universal - Self Regulating
- Pre-stripped leads
- Flexible Lockstrap
- 60 watts at 0°F
- No thermostat required
- UL Recognized

Applications

Used on refrigeration compressors up to 5 HP and 40" circumference in non-hazardous locations.



Item ID	Length (in.)	Lead Length (in.)	Volts	Replaces
Packard				
CHU40120	40	28	120	CCH-1C 4DLE4
CHU40208-277	40	28	208-277	CCH-2C 4DLE5

Rotalock Adapters



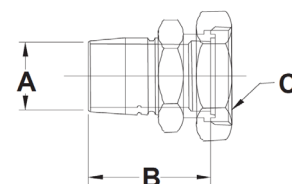
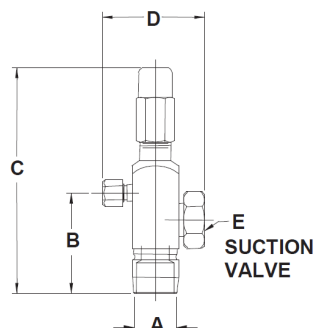
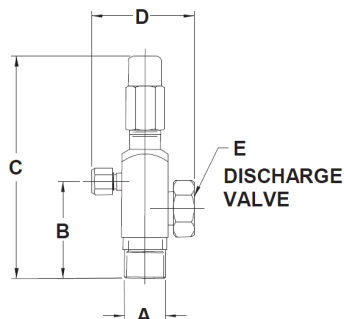
344029
344035



344030
344033
344034



344031



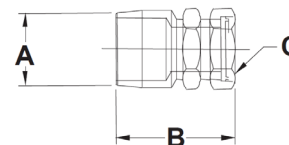
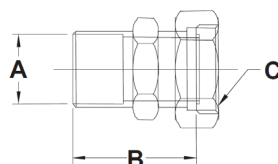
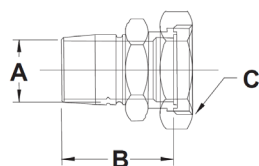
344032



344036



344039



Applications:

- Adaptor valve used to change from rotalock to brazed connection

Item ID	Description	Includes	A	B	C	D	E	Replace Bristol
Bristol								
344030	Suction Valve	Teflon seal	1 1/8	3	7 3/16	2 1/2	1 3/4-12 UNF	250508
344033	Suction Valve	Teflon seal	1 3/8	3 5/16	7 3/16	2 1/2	1 3/4-12 UNF	250525
344034	Suction Valve	Teflon seal	1 5/8	3 1/2	7 3/16	2 1/2	1 3/4-12 UNF	250526
344036	Suction Adapter Straight	Teflon seal	1 3/8	2 1/2	1 3/4-12 UNF	—	—	250529
344032	Suction Adapter Straight	Teflon seal	1 1/8	2 3/16	1 3/4-12 UNF	—	—	250510
344029	Discharge Valve	Teflon seal	7/8	2 11/32	5 11/32	2 1/64	1 1/4-12 UNF	250507
344035	Discharge Valve	Teflon seal	1 1/8	19/32	5 11/32	2 5/32	1 1/4-12 UNF	250527
344031	Discharge Adapter Straight	Teflon seal	7/8	1 23/32	1 1/4-12 UNF	—	—	250509
344039	Discharge Adapter Straight	Teflon seal	1 1/8	2	1 1/4-12 UNF	—	—	250534

Notes:

Compressors with sweat fittings or brazed fittings cannot be adapted to rotalocks.

Two Wire Electro-mechanical Voltage Sensing Relay



Features

- Potential relay and start capacitor for compressor hard start applications
- More reliable than PTC type hard starts
- Two wire connection
- For use with Hermetic or Scroll compressors
- Quick connect terminals
- Bleed down resistor to safely discharge the capacitor



Item ID	Capacitor Size (µF)	Tons	Compressor	Pick-Up Voltage (VAC)	Maximum Coil Voltage (VAC)	Replaces
TorQstart						
TQS1	189-227	1.5 - 3	Recip and Scroll	239-268	502	TO-5 SK3W3
TQS2	270-324	3.5 - 5	Recip and Scroll	280-315	502	KS1 SK3W6S

Hard Start Kits And All In One Hard Start Packs



Standard Relay and Hard Start Capacitor



All Purpose Hard Start Pack



Features

- Increases compressor starting torque for faster recycling
- For all permanent split capacitor, single phase air conditioning and heat pump systems
- Wired with "Piggy-Back" terminals for easy installation on run capacitors
- Designed for 115 volt thru 277 volt systems
- Mounts easily with either screw or clip

Features

- Combination relay, overload and capacitor
- Pre-wired for easy installation
- Extra long compressor leads for mounting flexibility
- All models adapt to 115 volt compressors with external overload protector
- PTC for capillary or fixed restrictor systems

Item ID	Operating Voltage (VAC)	Recommended range (HP)	Increase in Torque (%)	Replaces
TorQstart				
TQS5	115-277	1/2 to 10	300%	32701 600-057 SPP5
TQS6	115-277	1/2 to 10	500%	32702 600-052 SPP6
TQS8	115-277	1/2 to 10	600%	32708 SPP7S

Item ID	Compressor Sizes	Volts	Replaces
TorQstart			
TQS21	1/2 HP	115	600-210 RCO210
TQS41	1/4 and 1/3 HP	115	600-410 RCO410
TQS81	1/12 thru 1/5 HP	115	600-810 RCO810

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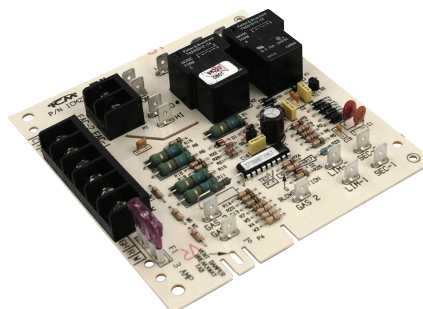
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Supplying HVACR solutions with your needs in mind.

PACKARD PUTS YOU IN CONTROL

FEATURING ICM CONTROLS



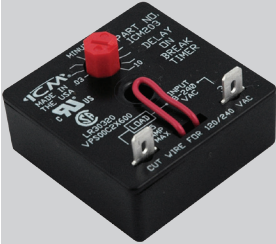
Packard welcomes ICM to our family of products. We provide products for general replacement with stock that is available the same day. We look forward to serving you.

Made in the USA 



Timers

NEW

ICM Control	Features and Applications	Specifications	Replaces
Delay on Make Timers			
	ICM102, ICM102F • Universal voltage operation • Higher 1.5 amp power rating • Knob-adjustable time delays • Works with anticipator-type thermostats • One model replaces many in field • Ideal for compressor staging • Simple 2-wire hookup • "F" suffix denotes 6" wire leads	• Voltage: 18-240 VAC • 1.5 amps • 15 amp inrush • 40 mA holding current • Frequency: 50-60 Hz • Adjustable delay: .03-10 minutes (1.8-600 seconds) • Voltage drop: 2.5 V @ 1.5 amps • Dimensions: 2" x 2"	ICM102 • A-1: EAC-701-ADJ • Diversified: AC-800 • Gemline: 1C310, 1C213 • Mars: 32019, 32391, 32367 • Supco: TD69 • Wagner/DiversiTech: ADM-1 ICM102F • Supco: TD69W • Wagner/DiversiTech: ADM-2
	ICM105 • Low holding current • Low cost version of the ICM102 without the cooling anticipator circuitry • Ideal for compressor staging • Universal voltage operation • Knob-adjustable time delays • Simple 2-wire hookup	• Voltage: 18-240 VAC • 1.5 amps • 15 amp inrush • 10 mA holding current • Frequency: 50-60 Hz • Adjustable delay: .03-10 minutes (1.8-600 seconds) • Voltage drop: 2.5 V @ 1 amp • Dimensions: 2" x 2"	• Diversified: AC-800, ASC-600/601 • Gemline: 1C310/1C213 • Mars: 32091 • Supco: TD68
Delay on Break Timers			
	ICM201F • Higher 1.5 amp power rating • Compressor lockout/anti-short cycle timer • Helps to protect compressors from damage caused by rapid short cycling • Simple, 2-wire hookup • 5-minute delay • "F" suffix denotes 6" wire leads	• Voltage: 18-30 VAC • 1.5 amps • 15 amp inrush • Frequency: 50-60 Hz • Fixed time delays: 3 or 5-minutes • Voltage drop: 3.5 V typical, 4.5 V maximum @ 1.5 amps • Holding current minimum: 40 mA • Dimensions: 2" x 2"	• A-1: EAC-500, EAC-501-300-W • Diversified: AC-505-5 • Mars: 32005, 32505 • Supco: TD735W (18-30 VAC)
	ICM203 • Universal voltage operation • Higher 1.5 amp power rating • Compressor lockout/anti-short cycle timer • Helps to protect compressors from damage caused by rapid short cycling • Simple, 2-wire hookup	• Voltage: 18-240 VAC • 1.5 amps • 15 amp inrush • Frequency: 50-60 Hz • Knob-adjustable delays: .03-10 mins. (1.8-600 sec.) • Voltage drop: 3.5 V typical, 4.5 V maximum @ 1.5 amps • Holding current minimum: 40 mA • Dimensions: 2" x 2"	• A-1: EAC-501-ADJ • Diversified: AC-503 • Mars: 32001, 32387, 32392 • Robertshaw: 3310-072 • Supco: TD72, TD73 • Wagner/DiversiTech: ADB-1



Timers and Voltage Monitors

ICM Control	Features and Applications	Specifications	Replaces
By-Pass Timer			
	ICM175 - Designed to bypass a low pressure switch or other device during startup - Ideal for low ambient startups - Key component for "winter start" kits - Helps to reduce nuisance lockouts - Universal AC voltage operation - Knob-adjustable time delay - Epoxy-encapsulated circuitry	- Voltage: 18-240 VAC 1 amp maximum 10 amp inrush 40 mA minimum - Frequency: 50-60 Hz - Knob-adjustable time delay: 10-1,000 seconds - Dimensions: 2" x 2"	- Mars: 32395 - Supco: TD32
Lockout Protection			
	ICM220 - UL 873 recognition as compressor controller - Low cost lockout relay - Helps eliminate nuisance lockouts typical of Series 84 and 93 impedance relays - Ideal for use with safety/interlock switches	- Voltage: 18-30 VAC - Frequency: 50-60 Hz - Power consumption: 2 watts maximum @ lockout - Relay: 1 form C - Contacts: 2 amps @ 30 VAC resistive - Dimensions: 2" x 2"	Essex: Impedance Relays Series 84 and 93
Off Delay Timing Purges Residual Air			
	ICM253 - UL 873 recognition for compressor applications - Post-purge fan delay timer - OFF delay purges ducts of residual air at the end of the heating/cooling cycle - Interrogation delay eliminates nuisance trips due to thermostat bounce/tampering	- Voltage: 18-30 VAC 1 amp maximum 40 mA minimum 10 amp inrush - Adjustable time delay: 12-390 seconds - Dimensions: 2" x 3"	- Field Controls: 46144700 - Gemline: 1C216 - Mars: 32393



Three Phase Monitors



ICM Control	Features and Applications	Specifications	Replaces
3-Phase Line Voltage Monitors - Full Performance			
	ICM450 - Fully programmable with LCD diagnostic display - Easy to configure - simple push button setup - Easy to customize - set points, variables and features are fully adjustable and may be defined by the user while in control SETUP mode 25-fault memory storage, non-volatile - Independent high and low voltage settings ideal for dual voltage compressor applications - Identifies front and back side faults - Reset mode: choice of auto or manual - Protects against: voltage unbalance, high/low voltage, phase loss, reversal, faulty power, incorrect sequencing and rapid short cycling - Reliable, high temperature LCD to 167°F - Simultaneous voltage display, no scrolling - Line voltage programmable - Universal voltage operation: 190-630 VAC	- Voltage: 190-630 VAC - Frequency: 50-60 Hz - Voltage unbalance: Adjustable: 2-25% - Control: 18-240 VAC (optional) - Delay on break timer: 0-10 mins. - Output: - Relay: SPDT - N.O.: 10 amps - N.C.: 6 amps - Dimensions: 6.5" x 4.25" x 1.5"	- A-1: - EAC-800 - EAC-8000 - EAC-8002 - Copeland: 085-0160-00 - Diversified: - AC-2020 - AC-301 - AC-302 - Mars: PFM-2000 - Motorsaver: 455 - SSAC: QLM, QLV - TimeMark: 265 - Wagner/DiversiTech: - DTP-3, WPC-800
Phase Loss and Reversal Protection - Ultra Low Cost			
	ICM401 - Low cost 3-phase protection for single side - Monitors for phase reversal, phase loss, unbalance % as a function of input voltage - Bright LED indicators for ON & FAULT - Universal 3-phase input: 190-600 VAC - Highly reliable passive electronics - Epoxy coated for added protection - Patented: U.S. Patent No. 5,337,206 - For open-board model order ICM403	- Voltage: 190-600 VAC - Frequency: 50-60 Hz - Control: 18-30 VAC - Output: - Relay: SPST - N.O.: 10 amps - Dimensions: 3.25" x 3" x 1.25"	- Supco: TPMP2 - Mars: 32536
	ICM402 - Low cost 3-phase protection for single side - Monitors for phase reversal, phase loss, unbalance % as a function of input voltage - Bright LED indicators for ON & FAULT - Universal 3-phase input: 190-600 VAC - Highly reliable passive electronics - Epoxy coated for added protection - Patented: U.S. Patent No. 5,337,206 - For open board model order ICM404	- Voltage: 190-600 VAC - Frequency: 50-60 Hz - Control: 115 or 208/240 VAC - Output: - Relay: SPST - N.O.: 30 amps - Dimensions: 3.25" x 3" x 1.25"	- Supco: TPMP2 - Mars: 32536



Motor and Surge Protectors

ICM Control	Features and Applications	Specifications	Replaces
Single Phase Motor Protection			
	ICM491 - Low cost single phase motor protection - Built in anti-short cycle protection - Detects high/low voltage conditions - Helps prevent rapid system recycling - LED indicators: • Green for normal conditions, Red for fault - Heavy duty SPDT, isolated relay output - Interrogation delay prevents nuisance trips: 5 seconds	- Voltage: 95-270 VAC - Output: Relay: SPDT - N.C./N.O.: 5 amps - Time delay range: Adjustable 6-600 seconds - Dimensions: 3.25" x 3" x 1.25"	- A-1: EAC-401, EAC-402, EAC-403, EAC-404 - Diversified: CV-100-RS, CV-200-RS15, CV-200-RS20 - Wagner/DiversiTech: DSP-1
	ICM492 - Protects against over and under voltage, and rapid short cycling caused by transient faults and power interruptions - Easy-view, backlit digital display - RMS voltage monitoring - Adjustable voltage set point - Adjustable over voltage setting - Adjustable under voltage setting - Adjustable anti-short cycle time delay - Adjustable response time - Control mode 5-fault memory - Universal line voltage input - Heavy duty SPDT relay output - Universal control voltage input (for integrating a thermostat)	User adjustable settings: - Voltage set point: 80-300 VAC - Anti-short cycle time delay: 0-720 sec. - Over voltage setting: 5-25% - Under voltage setting: 5-25% - Control mode: On and Off - Response time: 0.1-10 seconds Inputs: - Line voltage: 80-300 VAC - Frequency: 50-60 Hz - Accuracy: $\pm 2\%$ - Low power consumption: - Maximum 50 mA @ 120V - Maximum 100 mA @ 240V - Control voltage: 24-240 VAC Output: - Type: Dry relay contacts - Form: SPDT - Relay contact ratings: N.C. contacts: 10A resistive @ 277 VAC, N.O. contacts: 10A resistive @ 277 VAC Mechanical: - Case dimensions: 3"L x 3.2"W x 1.35"H	Wagner/DiversiTech: DSP-1
	ICM515 - Easy installation - Low cost, high performance - Great for mini splits - Weatherproof housing - Rugged, reliable - Protects against: Lightning power surges, Voltage surges from A/C, generators, motors	- Service voltage: 120-240 VAC, single phase - Maximum surge current: 24,000 amps - Maximum energy dissipation: 240 Joules - Installation point: Electrical panel, Electrical disconnect - AC protection modes: Line-line, line-ground - Dimensions: 1.75" x 1.62" x 0.75"	- Ditek: DTK-120-240CM - Supco: SCM
	ICM516 - Type 2 surge protective device - UL Listed - Easy installation - Low cost, high performance - Rugged, reliable - Protects against: Lightning power surges, Voltage surges from A/C, generators, motors - Limited Lifetime Protection Warranty	- Service voltage: 120-240 VAC, single phase - Maximum surge current: 100,000 amps - Maximum energy dissipation: 1,020 Joules - Installation point: Electrical panel, Electrical disconnect - AC protection modes: Line-line, line-ground - Dimensions: 2.75" x 4.75" x 1.75"	Supco: SCM Plus, SCM150



Universal Relay and Blower Controls

NEW

ICM Control	Features and Applications	Specifications	Replaces
-------------	---------------------------	----------------	----------

Universal Motor Starting Relay



UMSR-50

- Replacement for all standard potential relays
- Patented differential voltage sensing
- No user-adjustments required
- Non-positional mounting configuration
- 50A switching capabilities
- Universal mounting bracket for easy installation
- .250" quick connect termination
- Safety timer

Also available with 30A switching capabilities (UMSR-30)

General:

- Input:
 - Voltage Rating: 110-270 VAC, Single Phase
 - Maximum Voltage Contact Rating: 502 VAC (absolute)
- Motor power rating: Up to 10 HP
- Operating Position: Non-positional
- Safety Time Out: Approximately 1-second per 100 microfarads
- Consumption: 5VA max.
- Insulation: Class B (130°C); Conforms to IEC 1000- standards (6kV impulse / 6kV contact)
- Life Expectancy (min. operations):
 - Mechanical: 1 x 106
 - Electrical: 1x106 at 16A 400 VAC
5x105 at 35A 400 VAC (break only)
5x105 at 50A 400 VAC (break only)
- Contacts:
 - Contact rating: 50A (break only), 400 VAC cos Ø = 0.7 to 0.8

- All standard potential relays
- Supco: APR5, SUPR

Fan Blower - Dual On/Off



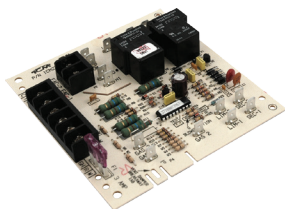
ICM255

- Low cost open board design
- High power, relay output
- Dual function fan delay timer
- Controls the circulating fan in heat pump, A/C and forced air systems
- OFF delay purges ducts of residual air
- ON delay allows air to reach the proper comfort level prior to energizing the fan

- Voltage: 18-30 VAC
 - N.O.: 20 amps @ 240 VAC
 - N.C.: 20 amps @ 240 VAC
- Time delays fixed:
 - ON: 1 second
 - OFF: 60 seconds
- Dimensions: 2.5" x 2.5"

- A-1: 5893
- Bard: 8201-056
- Mars: 32574
- Rheem:
 - 42-22515-01
 - 42-22515-02
 - 42-22515-03
- Snyder General/ICP: 1395336

Fan Blower Controls - Form, Fit and Functional OEM Replacement Parts



ICM271

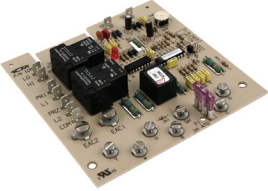
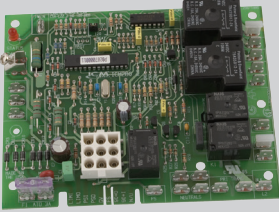
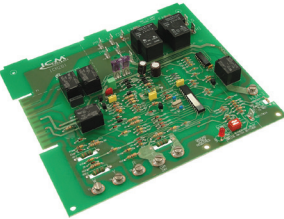
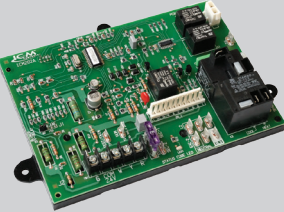
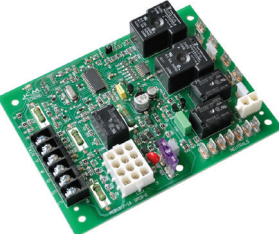
- Reliable solid state fan blower control
- Specifically designed to replace popular gas furnace centers
- Pin selectable blower delays
- High power, relay output
- Dual function fan delay timer
- Controls the circulating fan in HP, A/C and forced air systems
- OFF delay purges ducts of residual air
- ON delay allows air to reach the proper comfort level prior to energizing the fan

- Voltage: 18-30 VAC
- Contact ratings:
 - N.O.: 20 amps
 - N.C.: 10 amps
- Time delays:
 - Heat ON delay: 75 seconds
 - Heat OFF delay: 105 seconds
 - Cool OFF delay: 90 seconds

- Carrier:
 - 302075-3
 - CES0110017
 - CES0110018
 - HH84AA010
 - HH84AA011
 - HH84AA012
 - HH84AA013/020
 - P771-7002
- Robertshaw: 695-100



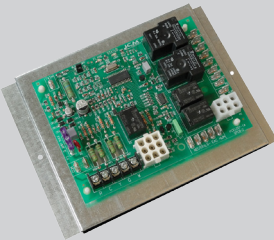
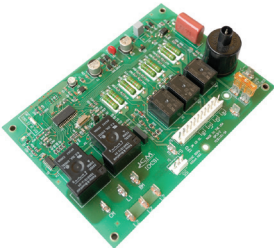
Blower and Furnace Controls

ICM Control	Features and Applications	Specifications	Replaces
Fan Blower Controls - Form, Fit and Functional OEM Replacement Parts			
	ICM275 • Heavy duty heat relay • Purges ducts of residual air • Integral short cycle protection	• Voltage: 18-30 VAC • Contact ratings: - High: 20 amps @ 240 VAC - Low: 10 amps @ 240 VAC • Time delays: - Heat ON delay: 60 seconds - Heat OFF delay: 60-240 seconds - Cool OFF delay: 90 seconds	• Carrier: CES0110019, HH84AA001, HH84AA003, HH84AA005, HH84AA009, HH84AA014, HH84AA015, HH84AA021 • Robertshaw: 695-101
Furnace Controls			
	ICM280 • Microprocessor-based fan blower • Inducer fan outputs • Hot surface ignitor output • Flame sensor input • Gas valve output • Status LED for fault codes • Twinning compatible with another ICM280 board	• Voltage: Line (98-132 VAC) @ 60 Hz • Fan: 2 HP @ 240 VAC • Inducer motor: 7 amps @ 250 VAC • Gas valve: 1 amps @ 24 VAC • Ignitor: 5 amps @ 120 VAC	• Goodman: B1809906, B1809908, B1809910, B1809913, B1809913S • UTEC: 1012-933D • Texas Instruments: 41F-5 • White-Rodgers: 50T35-730, 50T35-743
	ICM281 • Control gas valve, ignitor, blower motor, inducer, humidifier and air cleaner • Microprocessor-based • Designed for 100% gas shutoff in case of ignition failure • Model selection of 80+ and 90+ furnace operation • Reverse polarity protection • Secondary brownout voltage protection • Heating and cooling fan functions in response to standard thermostat • Provides diagnostic LEDs to aid in troubleshooting • Twinning compatible with another ICM281 board	• Voltage: Line (98-132 VAC) @ 60 Hz • Operating temperature: -40°F to 176°F, -40°C to 75°C • Ignitor: 5A @ 120 VAC • Cool blower: 30A, 2HP, 240 VAC • Heat: 5A, 1/2 HP, 240 VAC • Inducer motor: 4A, FLA-8.0 LRA @ 120 VAC • Gas valve: 1.5A @ 30 VAC	• Carrier: CES0110020, CES0110048, CES0110057-00, CES0110057-01, CES0110057-02, HH84A016
	ICM282A • Control gas valve, ignitor, blower motor, inducer, humidifier & air cleaner • Microprocessor-based • Designed for 100% gas shutoff in case of ignition failure • Reverse polarity protection • Secondary brownout voltage protection • Heating and cooling fan functions in response to standard thermostat • Provides diagnostic LEDs to aid in troubleshooting • Includes adapter harness (not shown) • Twinning compatible with another ICM282A board	• Voltage: Line (98-132 VAC) @ 60 Hz • Operating temperature: -40°F to 176°F, -40°C to 75°C • Ignitor: 5A @ 120 VAC • Cool blower: 30A, 2HP, 240 VAC • Heat: 5A, 1/2 HP, 240 VAC • Inducer motor: 4A, FLA-8.0 LRA @ 120 VAC • Gas valve: 1.5A @ 30 VAC	• Carrier: HK42FZ004, HK42FZ007, HK42FZ008, HK42FZ009, HK42FZ011, HK42FZ013, HK42FZ016, HK42FZ034, 325878-751
	ICM286 • Microprocessor-based precision • Controls inducer and blower fan motors, hot surface ignitor, & gas valve • Monitors timing, trial for ignition, flame sensing, pressure and limit switches, and lockout • Designed for 100% gas shutoff in case of ignition failure • Reverse polarity protection • Twinning compatible with another ICM286 control board • Compatible with LP or natural gas • Diagnostic LED to aid in testing/troubleshooting	• Trial for Ignition: 7 seconds • Pre-purge Time: 15 seconds • Ignitor Warm Up Time: 7 seconds • Post-Purge Time: 15 seconds • Total Trials for Ignition: 3 (auto reset after 1 hour) • Heat Blower On: 30 seconds • Heat Blower Off: Selectable 90/120/150/180 seconds • Fan (Heat) On/Off Delay: 1 sec. • Cool On: 5 seconds • Cool Off: 45 seconds	• Goodman: PCBBF112S, B18099-26S, 0130F00005S



Furnace Controls

NEW

ICM Control	Features and Applications	Specifications	Replaces
Furnace Controls			
	ICM289 - Controls inducer fan motor, blower fan and monitors limit switches - Microprocessor based design - Functions with all 24 VAC thermostats	- Voltage Range: Line (98-132 VAC) @ 60 Hz - Cool blower: 20A @ 120 VAC - Heat blower: 20A @ 120 VAC - Inducer motor: 5A @ 120 VAC - Cool blower On Delay: 1 second - Cool blower Off Delay: 1 second - Heat blower On Delay: 45 sec. - Heat blower Off Delay: 90, 150, 210, 270 sec.	Lennox: Replaces all BCC1, BCC2 and BCC3 circuit boards, including 48K98 and 45K48.
	ICM2805A - Controls gas valve, inducer draft motor, circulating blower and hot surface ignitor - Monitors timing, trial for ignition, flame sensing, lockout, plus pressure, rollout and limit switches. - Microprocessor-based precision - Twinning compatible with another ICM2805 furnace control - Diagnostic LEDs aid in testing and troubleshooting	- Voltage Range: Line (98 to 132 VAC) @ 60Hz - Ignitor: 5A, 120 VAC - Cool Blower: 10A, 2HP, 240 VAC - Heat: 5A, ½ HP, 250 VAC - Inducer Blower: 4A, 120 VAC - Gas Valve: 1A, 24 VAC - Humidifier Motor: 0.5A, 24 VAC - Electronic Air Cleaner: 1A, 120 VA	Nordyne 903106-Kit (for use with G3, G4, G5, G6, M2 and M3 furnace modules)
	ICM291 - Direct Spark Ignition (DSI) control board - Microprocessor-based - Controls combustion, blower and indoor motors; spark ignitor and the gas valve - Monitors timing, trial for ignition, flame sensing and lockout 100% lockout safety feature - Compatible with LP or Natural Gas - Status LED for fault codes to aid in troubleshooting	- Control voltage: 24 VAC (18-30 VAC), 60 Hz - Line voltage: 208/230 VAC, 60 Hz - Power cons: 0.3A plus gas valve current @ 24 VAC - Operating temp: -40°C (-40°F) to 75°C (176°F) Timing - Pre-purge: 45 seconds - Trial for Ignition: 5+2 seconds - Retry period: Every 20 seconds for 15 minutes - Lockout: manual reset - Post-purge: 45 seconds Inputs - Power: RT and C - Thermostat interface: R, W and G - Safety switches: RS, LS, and CS - Combustion motor Hall Effect sensor - Flame sensing Outputs - Spark - Gas Valve: GV - Combustion motor: CM - Blower motor: BM - Indoor fan motor: IFO LED indicators - Red LED: Steady ON- normal operation Flashing – fault codes	Carrier: LH33WP003/3A



Furnace and Ignition Controls

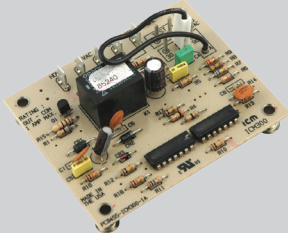
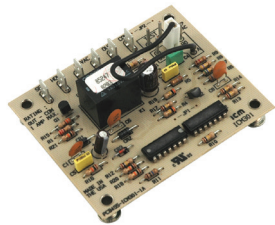
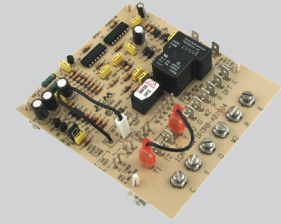
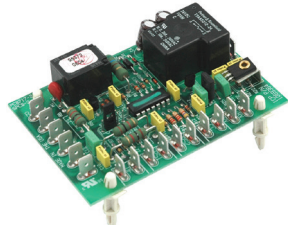
ICM Control	Features and Applications	Specifications	Replaces
Furnace Controls			
	ICM292 • Direct Spark Ignition (DSI) control board • Microprocessor-based • Controls Induced Draft and indoor blower motors; humidifier output, spark ignitor and gas valve • Monitors timing, trial for ignition, flame sensing and lockout • 100% lockout safety feature • Compatible with LP or Natural Gas • Status LEDs for fault codes to aid in troubleshooting	• Control voltage: 24 VAC (18-30 VAC), 60 Hz • Line voltage: 115 VAC, 60 Hz • Power cons: 0.3A plus gas valve current at 24 VAC • Operating temp: -40°C (-40°F) to 75°C (176°F) Timing • Pre-purge: 30 seconds • Trial for ignition: 7 seconds • Retries: 2 groups of 2, 30 seconds delay within the group and 3 minutes delay between groups • Lockout: 1 hour • Post-purge: 90, 120, 160 and 180 seconds Inputs • Power: 24 VAC and COM • Thermostat interface: R, W, Y and G • System switches: Vent Pressure and Limit switches (Main and Over-temperature switches in series) • Flame Sensing • Heat blower OFF delay: SW1 toggle switch Outputs • Spark: SE • Gas Valve: GV • Inducer draft motor: IDM • Electric Air Cleaner: EAC • Humidifier relay: HUM • Heat/Cool relay: H/C • Blower motor: FAN, COOL and HEAT speeds LED indicators • Power, green LED: PWR • Status, green LED: OK • Flame status, yellow LED: FLAME	• Rheem: 62-24140-04

Gas Ignition Controls			
	ICM290A • Universal intermittent pilot gas ignition control • Provides ignition sequence, flame monitoring and safety shutoff for single/dual rod intermittent pilot control applications • For gas fired furnaces, boilers and other heating appliances • Switch selectable pre-purge and ignition trial times with permanent lock • Works with or without vent damper connected • Works with both Natural & LP gas systems	• Control voltage: Line 24V (18-30 VAC), 50-60 Hz • Anticipator setting: 0.3A plus valve load @ 24 VAC • Trial for ignition: 15 or 90 seconds (switch selectable) • LEDs: - Green status LED provides system status and error codes - Yellow flame LED indicates flame presence & flame strength • Operating temperatures: Min. ambient temperature rating of -40°F (-40°C) and max. of 176°F (75°C) • Relative humidity: 0% to 95% non-condensing	• Honeywell: S8610U3009 (and compatible Camstat, Fenwal, HSC, Penn-Johnson, Robertshaw and White Rodgers models)



Ignition and Defrost Controls

NEW

ICM Control	Features and Applications	Specifications	Replaces
Intermittent Ignition			
	ICM1503	Safety Timing - 45 seconds	- Carlin: 48245 - Honeywell: R8184G4009, R8184G1138, R8184G1427, R8184G4025 - Tempstar/Hell: 1147017 - White-Rodgers: 668-401
Defrost Controls - Form, Fit and Functional OEM Replacement Parts			
	ICM300 - Replacement for OEM Type 621 - Low cost, time and temperature defrost - HOLD input tracks compressor run times - Time and temperature terminate 10-minute fixed defrost time - Pin-selectable intervals: 30/60/90 minutes - Test pins reduce test time by 256x - Stable pin post construction	- Voltage: 18-30 VAC - Frequency: 50-60 Hz - Output: Relay, SPST - N.O.: 1 amp - Defrost time: 10-minute fixed - Interval times: Pin-Sel. 30/60/90 min.	- Amana: C64301-1, C64310-1 - Arcoaire: 32312-00, 3232140 - Artesian: 10321-00 - Coleman: 3030A374 - Essex: 621-1 to 621-11, 621-310 - Goodman: B12260-06 - Heil Quaker: HQ1052757 - Honeywell: ST74A1004, ST74A1020, ST74A1038 - ICP: 1052757 - Intertherm: 6208800 - Lennox: 33G9501 - Rheem: 47-21776-01 - Robertshaw/Uni-Line: TD-10, DT2-1000 - Snyder General: 1395-329 - Steveco: 90-621 - Therm-O-Disc: 26E-10 - Weatherking (Addison): 840-4-5548 - White-Rodgers: 90-621
	ICM301 - Low cost, time and temperature defrost - Sensor input for defrost terminate - Time and temperature terminate 10-minute fixed defrost time - Pin-selectable intervals: 30/60/90 min. - Test pins reduce test time by 256x - HOLD input accumulates actual compressor run times	- Voltage: 18-30 VAC - Frequency: 50-60 Hz - Output: Type: Relay, SPST - N.O.: 1 amp - Defrost time: 10-minute fixed - Interval times: Pin-Sel. 30/60/90 min.	- Goettl: 305007 - ICM: DFOSP24A2 - Rheem: 47-21776-06
	ICM302 - Low cost, time and temperature defrost - Time and temperature terminate 10-minute fixed defrost time - Pin-selectable intervals: 30/60/90 min. - Test pins reduce test time by 256x - Strip heat, reversing valve outputs - High power output (1 HP fan at 240 VAC) - Integral short cycle protection	- Voltage: 18-30 VAC - Frequency: 50-60 Hz - Output: Type: Relay, SPST - N.O.: 1 amp - Anti-short cycle time: 5 minutes - Defrost time: 10-minute fixed - Interval times: Pin-Sel. 30/60/90 min.	- ICM: DFORB-AB1004 - Nordyne: 621301A, 621579B, 621579C, 917178
	ICM304 - Replacement for ICP 1069364 - Sensor input for defrost terminate - Time and temperature terminate 10-minute fixed defrost time - Pin-selectable intervals: 30/60/90 minutes - Y input tracks compressor run times - Integral short cycle protection - Cool active reversing valve (See ICM323 for heat active model)	- Voltage: 18-30 VAC - Frequency: 50-60 Hz - Strip heat, reversing valve outputs: 24 VAC, 1 amp - Defrost time: 10-minute fixed - Interval times: Pin-Sel. 30/60/90 min.	ICP: 1069364



Defrost and Head Pressure Controls

ICM Control	Features and Applications	Specifications	Replaces
Defrost Controls - Form, Fit and Functional OEM Replacement Parts			
	ICM318 • Low cost, time and temperature defrost • Time and temperature terminate • Pin-selectable intervals: 30/60/80 minutes • Test pins reduce test time by 256x • HOLD input tracks compressor run times • High power output (1/2 HP fan @ 240 VAC) • Strip heat, reversing valve outputs (24 VAC, 1 amp)	• Voltage: 18-30 VAC • Frequency: 50-60 Hz • Outdoor fan relay output: • 1/2 HP fan @ 240 VAC • Strip heat, reversing valve outputs: 24 VAC, 1 amp • Defrost time: 10-minute fixed • Interval times: Pin-selectable 30/60/80 minutes	• Goodman: B1226008 • ICM: W1001-4
	ICM321 • Low cost, time and temperature defrost • Time and temperature terminate • 10-minute fixed defrost time • Pin-selectable intervals: 30/50/90 minutes • Test pins reduce test time by 256x • High power output, outdoor fan (1/2 HP fan @ 240 VAC) • Strip heat, reversing valve outputs (24 VAC, 1 amp) • Integral short cycle protection	• Voltage: 18-30 VAC • Frequency: 50-60 Hz • Outdoor fan relay output: - N.O.: 20 amps - N.C.: 10 amps • Form: SPDT • Anti-short cycle time: 5 minutes • Defrost time: 10-minute fixed • Interval times: Pin-selectable 30/50/90 minutes	• Carrier: - CES0110063-00 - CES0110063-01 - CES0110063-02 - CES0110063-02A - CES0130024-01 150-83-6A
Head Pressure/Low Ambient Fan Controls			
	ICM325HN (120-480 VAC) • Typical application: A/C and heat pumps • Integral heat pump bypass circuitry allows electronic bypass of speed control • Eliminates overshoots common to on/off and pressure switch controls • Helps prevent evaporator freeze-ups, low pressure cut-outs and liquid-slugged compressors in low ambient conditions • Hard start, low temperature cutoff, isolated 24 VAC supply • Controls up to 3 refrigerant circuits	• Input: • Control: 18-30 VAC • Frequency: 50-60 Hz, 1.8 VA max. • Line input: 120-480 VAC (ICM325HN) 600 VAC (ICM325HNV) • Output: • Maximum: 10 amps • Minimum: 100 mA • Modulation: 70°F to 100°F • Dimensions: 4.5" x 3" x 1.75"	• ACT: FM2000 • Hoffman: 800, 800A, 800AA 814-50 816-10 • Ranco: E31Series
	ICM326HN (120 or 208/240 VAC) • Integral heat pump bypass circuitry allows electronic bypass of speed control • Built in transformer eliminates cost, reduces installation time and simplifies wiring • Helps prevent evaporator freeze-ups, low pressure cut-outs and liquid-slugged compressors in low ambient conditions • Hard start, low temperature cutoff, high temp. bypass • Ideal for line voltage air conditioning and refrigeration	• Input: - Control: 120 or 208/240 VAC • Frequency: 50-60 Hz • Output: - Maximum: 10 amps - Minimum: 100 mA • Modulation: 70°F to 100°F • Dimensions: 4.5" x 3" x 2"	• ACT: FM4000 • Hoffman: 800, 800A, 800AA 814-50 816-10 • Ranco: E31

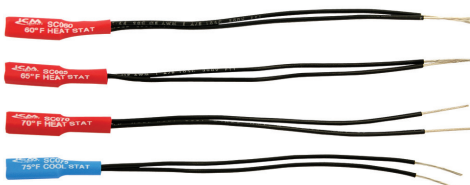
ICM Controls - Dryout Thermostats

Features

- Two-wire installation
- Four fixed setpoint models to choose from 60°F to 75°F
- Temporary use for dryout applications
- Can be used as a low ambient cutoff switch

Specifications

- Input: 18-3- VAC
- Output: 2 amp maximum
- Temperature Control Range: 60°F to 75°F (±9°F)

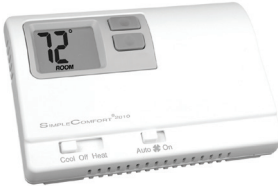


Part Number	Dryout Thermostats			
	SC060	SC065	SC070	SC075
Temperature Range	60°F ±9°	65°F ±9°	70°F ±9°	75°F ±9°
2-Wire	•	•	•	•
Heat	•	•	•	
Cool				•



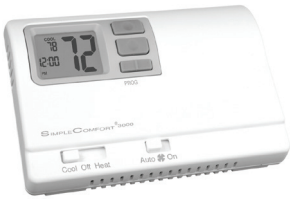
Thermostats

NEW

ICM Control	Features and Applications	Specifications	Terminations
Standard Non-Programmable Thermostats			
	SC1600L • Single-stage heat thermostat • ICM patented Thermal Intrusion Barrier • Large backlit LCD display • Battery operated • Low battery indicator • Millivolt compatible • Freeze protection feature • Remote sensor compatible • Compatible with gas, oil and hydronic systems • Selectable °F and °C	• Electrical Rating: 24 VAC (18-30 VAC) 1 amp maximum per terminal 3 amp maximum total load • Temperature control ranges: 45°F to 90°F, Accuracy ± 1°F	R, W, S1, S2
	SC2000L • For single-stage heat/cool or single-stage heat pump • ICM patented Thermal Intrusion Barrier • Large backlit LCD display • Battery operated • Low battery indicator • Millivolt compatible • Manual changeover • Freeze protection • Zone compatible • Selectable °F and °C	• Electrical Rating: 24 VAC (18-30 VAC) 1 amp maximum per terminal 3 amp maximum total load • Temperature control ranges: 45°F to 90°F, Accuracy ± 1°F	RC, RH, W, Y, O, B, G
	SC2010L • For single-stage heat/cool or single-stage heat pump • ICM patented Thermal Intrusion Barrier • SimpleSet™ target programming technology (configuration only) • Large display with backlight • Adjustable temperature differential • Dual powered • Manual changeover • Permanent memory • Easy access terminal block • Field adjustable calibration • 4- or 5-wire compatible • Freeze protection • Keypad lockout • Selectable °F and °C	• Electrical Rating: 24 VAC (18-30 VAC) 1 amp maximum per terminal 3 amp maximum total load • Temperature control ranges: 45°F to 90°F, Accuracy ± 1°F	RC, RH, C, W, Y, O, B, G
	SC2201L • For two-stage heat, one-stage cool heat pump only • ICM patented Thermal Intrusion Barrier • Large backlit LCD display • Hardwired • Manual changeover • Status LEDs	• Electrical Rating: 24 VAC (18-30 VAC) 1 amp maximum per terminal 4 amp maximum total load • Temperature control ranges: 45°F to 90°F, Accuracy ± 1°F	R, C, Y1, W2, O, B, G, E
	SC2211L • For three-stage heat, two-stage cool heat pump • ICM patented Thermal Intrusion Barrier • SimpleSet™ target programming technology (configuration only) • Large display with backlight • Adjustable temperature differential • Hardwired • Manual changeover • Permanent memory • Easy access terminal block • Field adjustable calibration • Zoning system compatible • Selectable °F and °C • Permanent memory • Status LED	• Electrical Rating: 24 VAC (18-30 VAC) 1 amp maximum per terminal 4 amp maximum total load • Temperature control ranges: 45°F to 90°F, Accuracy ± 1°F	R, C, Y1, Y2, W2, O, B, G, E, L, W3



Thermostats

ICM Control	Features and Applications	Specifications	Terminations
Standard Programmable Thermostats			
	SC3000L • For single-stage heat/cool or single-stage heat pump • 7-day, 5-2-day and 5-1-1-day programming • ICM patented Thermal Intrusion Barrier • New SimpleSet™ Target Programming technology • Large display with backlight • Adjustable temperature differential • Battery powered • Manual changeover • Permanent memory • Easy access terminal block • Field adjustable calibration • Millivolt compatible • Freeze protection • Zoning system compatible • Soft-touch controls • Selectable °F and °C	• Electrical Rating: 24 VAC (18-30 VAC) 1 amp maximum per terminal 3 amp maximum total load • Easy access terminal block • Temperature control ranges: 45°F to 90°F, Accuracy ± 1°F	RC, RH, W, Y, O, B, G
PRO Series Programmable Thermostats			
	SC5010 PRO • For single-stage heat/cool or single-stage heat pump • 7-day, 5-2-day and 5-1-1-day programming • ICM patented Thermal Intrusion Barrier • Manual or auto changeover • ICM patent-pending SimpleSet™ Target Programming technology • Large display with backlight • Permanent memory • Dual powered (battery or hardwire)	• Electrical Rating: 24 VAC (18-30 VAC) 1 amp maximum per terminal 4 amp maximum total load • Easy access terminal block • Temperature control ranges: 45°F to 90°F, Accuracy ± 1°F	RC, RH, C, W/O/B, Y, G, S1, S2
	SC5011 PRO • For single-stage heat/cool or single-stage heat pump • 7-day, 5-2-day and 5-1-1-day programming • ICM patented Thermal Intrusion Barrier • ICM SimpleSet™ Target Programming • Large backlit LCD display • Hardwired • Auto or Manual changeover • Permanent memory	• Electrical Rating: 24 VAC (18-30 VAC) 1 amp maximum per terminal 4 amp maximum total load • Easy access terminal block • Temperature control ranges: 45°F to 90°F, Accuracy ± 1°F	RC, RH, C, W/O/B, Y, G, S1, S2
Frost Sentry™ Garage Thermostats			
	FS1500VL • Controls single stage heating systems • Millivolt, hydronic (water or steam) system, gas and electric systems • Battery operated • Backlit display • Mercury-free, environmentally safe • Remote sensor compatible (ACC-RT104) • Vertical design for easy J-box installation • Perfect for use with unit heaters	• Electrical Rating: 24 VAC (18-30 VAC) 1 amp maximum per terminal 2 amp maximum total load • Easy access terminal block • Temperature control ranges: 35°F to 75°F, Accuracy: ±1°F	R, W, G, S1, S2

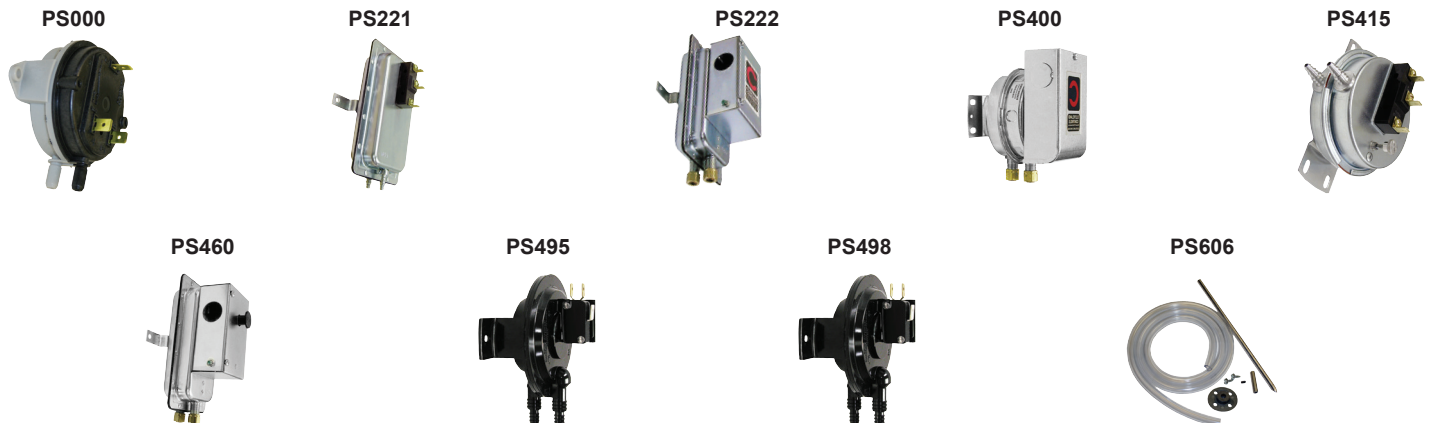
We've Expanded Our *Packard* Team to Meet Your Needs



“Air Rite Supply is a single location wholesaler, which can make it tricky to find vendors who treat you with the same **RESPECT** attention as their 50 branch customers. I would **RECOMMEND** Packard to any other wholesaler looking for a **ONE-STOP-SHOP** for many of its HVAC product needs.”

- Dave Harris, President, Air Rite Supply, Inc.

Air Pressure Sensing Switch Kits



Manufactured by
CLEVELAND CONTROLS

Features

- Mounts with the diaphragm in vertical plane
- Easy installation
- Designed for residential furnace and light commercial aftermarket applications; duct heater, oven, and other HVAC or energy management applications

Item ID	Description	Range	Operating Temp. Range	Contact Arrangement	Connection	Approval
Packard						
PS000	Field Adjustable Switch Kit	0.10"wc To 10.0"wc.	-40F To 190F	SPDT	1/4" Quick-Connect Terminals	UL CUL
PS495	Field Adjustable Switch Kit	0.20"wc To 1.0"wc.	-40F To 190F	SPDT	3 Male 90° Quick-Connect terminals	UL CSA
PS498	Field Adjustable Switch Kit	1.0"wc To 4.0"wc.	-40F To 190F	SPDT	3 Male 90° Quick-Connect terminals	UL CSA
PS222	Field Adjustable Switch Kit	0.05"wc To 12.0"wc.	-40F To 180F	SPDT	Screw Top Terminals With Cup Washers	UL CSA
PS460	Field Adjustable Manual Reset Kit	0.40"wc To 12.0"wc.	—	SPST-NC (Manual Reset)	Screw Top Terminals With Cup Washers	UL CSA
PS221	Fixed Set Point Switch Kit	Operates On Pressure Rise At 0.05±0.02"w.c.	-40F To 180F	SPDT	1/4" Male 90° Quick-Connect terminals	UL CSA
PS400	Field Adjustable Switch Kit	0.15"wc To 5.0"wc.	-40F To 180F	SPDT	Screw Terminals With Cup Washers	UL CUL
PS415	Field Adjustable Switch Kit	0.15"wc To 5.0"wc.	-40F To 180F	SPST-NO. SPST-NC, SPDT	1/4" 90° Quick-Connect Terminals, Screw Terminals With Cup Washers	UL
PS606	Universal Air Flow Sample Probe & Tubing Kit	—	—	—	—	—

Thermocouples

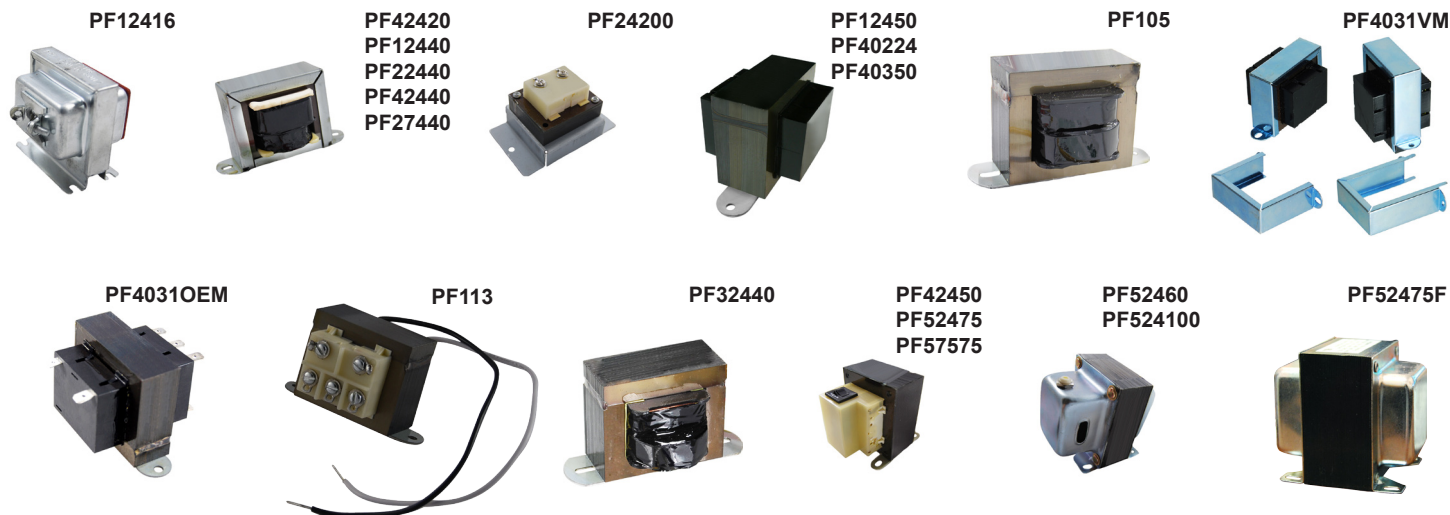
Features

- Designed to simplify installation on automatic controls and burners.
- Stainless steel head and weld at tip to provide reliable performance.
- Kit includes adapters to fit most types of pilot burners.
- Five popular lengths are available.



Item ID	Length (In.)	Honeywell	Replaces		
			Johnson	Penn	Robertshaw
Packard					
22218	18	Q340A1066	K19AT-18 K15DS-18	K19AT-18 K15DS-18	1900-018 1980-018
22224	24	Q340A1074	K19AT-24 K15DS-24	K19AT-24 K15DS-24	1900-024 1980-024
22230	30	Q340A1082	K19AT-30 K15DS-30	K19AT-30 K15DS-30	1900-030 1980-030
22236	36	Q340A1090	K19AT-36 K15DS-36	K19AT-36 K15DS-36	1900-036 1980-036
22248	48	Q340A1108	K19AT-48 K15DS-48	K19AT-48 K15DS-48	1900-048 1980-048

Class II Foot Mount Transformers



Features

- Packard transformers replace models with equal or lower VA rating
- Foot mount
- UL listed class II transformers

Item ID	Primary Voltage	Secondary Rating	Output Option	Mounting Option	Connection	Replaces	Notes
Packard							
PF12416	120	16	10VA	Foot	Wire Lead / Term	UET 10A	
PF42420	120/208/240	24	20VA	Foot	Wire Lead	Jard 2031F UET 114	
PF24200	120	24	20VA	Foot	Wire Lead / Term		
PF40224	208/240	24	40VA	Foot	Terminals		
PF105	120/208/240	24	40VA	Foot	Wire Lead	UET 105	115
PF4031VM	120/208/240	24	40VA	Foot	Wire Lead	Jard 4031VM Rheem 46-24124-06	
PF12440	120	24	40VA	Foot	Wire Lead	Jard 4011F	
PF12450	120	24	50VA	Foot	Wire Lead	Rheem 46-102856-02	
PF22440	208/240	24	40VA	Foot	Wire Lead	Jard 4021F	
PF113	120	24	40VA	Foot	Wire Lead/Term	90-113 Fan Center Transformer	
PF42440	120/208/240	24	40VA	Foot	Wire Lead	Jard 4031F UET 115	
PF4031OEM	120/208/240	24	40VA	Foot	Terminals	Jard 4031OEM Rheem 46-101905-01	
PF32440	120/208/240	24/12/2.5	40VA	Foot	Wire Lead	Jard 4032F UET 101	118
PF27440	277	24	40VA	Foot	Wire Lead	Jard 40271F	
PF40350	120/208/240	24	50VA	Foot	Wire Lead	Jard 5031F	
PF42450	120/208/240/480	24	50VA	Foot	Wire Lead	Jard 5041C	117
PF52460	120/208/240	24	60VA	Foot	Wire Lead	Jard 6041C UET 160	117
PF52475	120/208/240/480	24	75VA	Foot	Wire Lead	Jard 7541C UET 179R	117
NEW PF57575	120/208/240/575	24	75VA	Foot	Wire Lead	Mars 50375	117
PF52475F	120/208/240/480	24	75VA	Foot	Wire Lead	Jard 7541M UET 175	118
PF524100	120/208/240/480	24	100VA	Foot	Wire Lead	Jard 10041C	117

Notes:

115. Dimension between mounting holes is 2.756 inch or 70mm

117. Equipped with a circuit breaker

118. Built-In fuse included

Class II Multi-Mount Transformers



Features

- Packard transformers replace models with equal or lower VA rating
- Multi-mount transformers
- 4 1/4" x 4 1/4" mounting plate included
- 1/2" conduit hub for electrical knockout mounting
- UL listed class II transformers

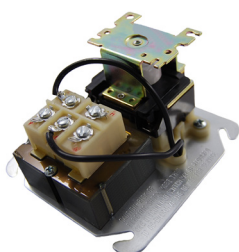
Item ID	Primary Voltage	Secondary Rating	Output Option	Mounting Option	Connection	Replaces	Notes
Packard							
PM12040	120	24	40VA	Plate	Wire Lead/Term		
PM12440	120	24	40VA	Multi	Wire Lead	Jard 4011M UET 112	
PM32440	120/240	24	40VA	Multi	Wire Lead	Jard 4021M UET 113	
PM42440	120/208/240	24	40VA	Multi	Wire Lead	Jard 4031M	
PM43440	120/208/240	24/12/2.5	40VA	Multi	Wire Lead	UET 111	118
PM43448	120/208/240	24/12/2.5	48VA	Multi	Wire Lead		
PM44450	120/208/240	24	50VA	Multi	Wire Lead/Term	Jard 5031M UET 150	118
PM43450	120/208/240	24/12/2.5	50VA	Multi	Wire Lead	Jard 5032M	
PM10048P	208/240/480	24/120	100VA	Multi	Wire Lead	Jard 10048P	
PM7541MCB	120/208/240/480	24	75VA	Multi	Wire Lead	Jard 7541MCB	117

Notes:

117. Equipped with a circuit breaker

118. Built-In fuse included

Fan Control Centers



Features

- UL recognized 40 VA transformer
- Color coded leads
- Low voltage terminal board

Item ID	Voltage	Primary Connections	Voltage	Secondary Connections	Relay	Replaces
Packard						
FC90112	120	Leads	24	Terminal Board	DPDT	White-Rodgers 90-112
FC90113	120	Leads	24	Terminal Board	SPDT	White-Rodgers 90-113
FC90118	120	Leads	24	Terminal Board	SPNO/SPNC	White-Rodgers 90-118E
FC90119	208/240	Leads	24	Terminal Board	SPDT	White-Rodgers 90-119
FC90130	120/208/240	Leads	24	Terminal Board	DPDT	White-Rodgers 90-130

Potential Relays



Features

- Universal replacements for thousands of GE 3ARR3 model relays and many other OEM's
- Manufactured using the original GE designs and tooling
- Proven performance for 40 years
- Contact rating: 35 amps max, break only
- Endurance up to 500,000 operations depending on load
- Screw type terminals #8-32 thread
- Six (6) quick connect terminals and screws packaged included with each relay
- Instructions included
- UL and CSA approved

Applications:

Central air conditioner compressors

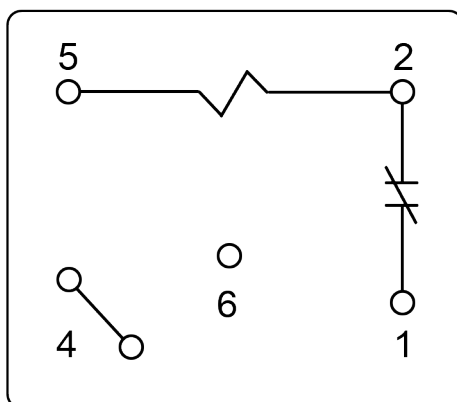
Submersible pump motors

Motors generally over 1/3 HP with start capacitors

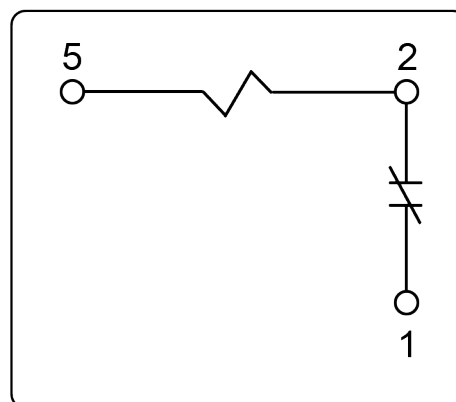
**New Titan
Coming Soon**

Item ID	Mfg. #	Industry #	Continuous coil voltage	Pick up MIN	Pick Up Max	Drop-Out Max
Packard						
TR63	3ARR363223PR	19002	170V	136V	156V	58V
TR64	3ARR364252PR	19003	395V	257V	278V	123V
TR65	3ARR365333PR	19004	332V	165V	185V	93V
TR66	3ARR366252PR	19005	395V	210V	230V	123V
TR67	3ARR367262PR	19006	420V	292V	318V	130V
TR68	3ARR368433PR	19007	500V	322V	348V	138V
TR69	3ARR369243PR	19008	336V	177V	198V	108V
TR70	3ARR370533PR	19009	253V	282V	308V	80V
TR71	3ARR371633PR	19010	420V	209V	235V	124V
TR550	3ARR355071PR	19550	130V	111V	134V	42V
TR551	3ARR355132PR	19551	332V	243V	271V	91V
TRQC6	Package of six (6) double quick connect terminals with screws					

Internal Wiring Diagrams

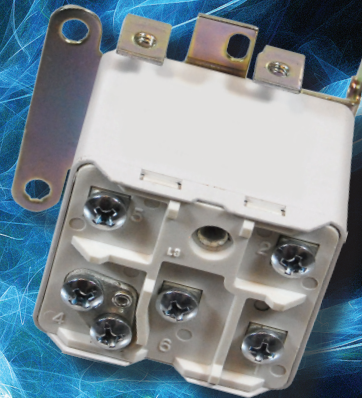


TR63
TR64
TR65
TR66
TR67
TR68
TR69
TR70
TR71



TR550
TR551

FROSTY COLD TITAN ICE™



Packard brings you the ORIGINAL tried and true design you have known and relied on, while taking everything that is good about it and making it even better in our new TITAN ICE! Please scan our QR code below to download our complete GE cross reference guide.



Packard

SERVICE | SELECTION | SATISFACTION

Potential Relays



Features

- Temperature range: 40°F to 130°F
- Class B insulation
- Continuous duty
- UL and CSA recognized

Item ID	Continuous Coil Voltage	Pick-Up Min.	Pick-Up Max.	Drop Out Max.	DC Res	MA	Coil Data Nom. VA	Inrush VA	Class Insulation	Replaces
Packard										
PR9026	395	180	195	100	7147	12.7	5	10	B	90-26
PR9063	170	140	153	65	1399	29	5	10	B	90-63
PR9064	395	245	275	140	7147	12.7	5	10	B	90-64
PR9065	332	171	184	90	5180	15	5	10	B	90-65
PR9066	395	208	239	130	7147	12.7	5	10	B	90-66
PR9067	420	300	328	121	10000	12	5	10	B	90-67
PR9068	495	323	352	135	11950	10	5	10	B	90-68
PR9071	420	223	252	150	10000	12	5	10	B	90-71
PR9169	332	180	193	105	5600	12	5	10	B	90-69

Direct Replacement Relays For ICP And Nordyne



PR1922



PR1931

Features

- Electric heater relay
- Used with AMF(K,H)xxCxx heaters in ICP and Nordyne air handlers

Item ID	Continuous Coil Voltage	Pick-Up Min.	Pick-Up Max.	Drop Out Max.	Coil	Replaces
Packard						
PR1922	28.6	16.5	22	2.2	DC	ICP 111001922 ICP 1084529
PR1931	31.2	18	24	7.2	AC	Nordyne 621931

Time Delay Relays



PTD102
Delay on Make



PTD203
Delay on Break

Application

- Prevents short cycling of air conditioning, refrigeration and heat pump compressors

Features

- Universal voltage
- Mounts in any position
- UL and CSA recognized
- Adjustable up to 10 minutes
- Easy two-wire installation
- Delay on make / delay on break

Item ID	Connection	Time Delay	Input Line Frequency	Input Line Voltage	Output Ratings Inrush	Output Ratings Max.	Output Ratings Min.	Replaces			
Packard											
PTD102	2 - 1/4" male terminals	.03 - 10 mins.	50/60	18-240VAC/VDC	15 amps	1.5 amps	40 mA	Carrier P284-2391 Gemline IC213 Gemline IC310	ICM 102B ICM 102FB ICP 1160706 Lennox 24C4101 Lennox 47A7301	McQuay 282101B14 McQuay 282101B2 McQuay 282101B3 Rheem 42-22326-01 Rheem 42-41542-01	3310-068 ADM-2
PTD203	2 - 1/4" male terminals	.03 - 10 mins.	50/60	18-240VAC/VDC	15 amps	1.5 amps	40 mA	A-1 Components F7035 Carrier P284-2392	ICM 203B ICP 1160708 ICP 1160711	3310-072 Trane TMR107 Trane TMR52	ADB-1

SPST And SPDT Fan Relays

Features

- 1/4" Quick connect terminals
- Used for switching solenoids, fan motors, and other applications.

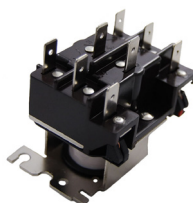


Item ID	Description	Amps Res.	FLA/LRA at		Coil Voltage	Replaces
			125 Volts	250 Volts		
Packard						
PR290Q	SPST-NO	16	—	8/25	24 VAC	90-290Q
PR291Q	SPST-NO	16	—	8/25	120 VAC	90-291Q
PR292Q	SPST-NO	16	—	8/25	240 VAC	90-292Q
PR293Q	SPDT	16	—	8/25	24 VAC	90-293Q
PR294Q	SPDT	16	—	8/25	120 VAC	90-294Q
PR295Q	SPDT	16	—	8/25	240 VAC	90-295Q
PR360	SPST-NO	18	12/60	8/48	24 VAC	90-360
PR362	SPST-NO	18	12/60	8/48	120 VAC	90-362
PR370	SPDT	18	12/60	8/48	24 VAC	90-370
PR372	SPDT	18	12/60	8/48	120 VAC	90-372
PR374	SPDT	18	12/60	8/48	240 VAC	90-374
PR380	SPST NO + NC	18	12/60	8/48	24 VAC	90-380
PR382	SPST NO + NC	18	12/60	8/48	120 VAC	90-382
PR384	SPST NO + NC	18	12/60	8/48	240 VAC	90-384

Switching Relays

Features

- Used on heat pumps, vending machines, fans, and heating and air conditioning



Item ID	Coil Voltage	Description	Terminal 1-2-3	Terminal 4-5-6	Replaces
Packard					
PR340	24	DPDT	Power	Power	90-340
PR341	110/120	DPDT	Power	Power	90-341
PR342	208/240	DPDT	Power	Power	90-342
PR343	24	DPDT	Power	Pilot	90-343
PR344	110/120	DPDT	Power	Pilot	90-344
PR345	208/240	DPDT	Power	Pilot	90-345

Relay Overloads

Features

- Replaces relay and overload combinations on 1/8 thru 1/3 HP compressors.



Item ID	Volts	H.P.	Hertz
Packard			
RO15	115	1/8-1/5	50/60
RO13	115	1/4 and 1/3	50/60

Automatic Small Flush Mount - SPST - Limit Thermostats



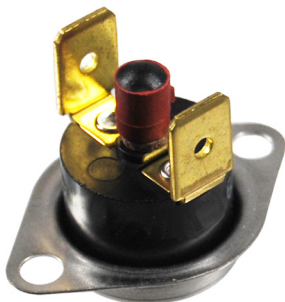
Features

- Used in gas fired furnaces, unit heater and rooftop units
- Automatic reset
- Wide temperature range for most heating applications



Item ID	Terminals	Cut In Temp.	Cut Out Temp.	Differential
Packard				
PLF130VA	Vertical 1/4"	115°F	130°F	15°F
PLF155VA	Vertical 1/4"	115°F	155°F	40°F
PLF158VB	Vertical 3/16"	118°F	158°F	40°F
PLF165VA	Vertical 1/4"	125°F	165°F	40°F
PLF170VA	Vertical 1/4"	130°F	170°F	40°F
PLF185VB	Vertical 3/16"	145°F	185°F	40°F
PLF190HA	Horizontal 1/4"	150°F	190°F	40°F
PLF194HB	Horizontal 3/16"	154°F	194°F	40°F
PLF200HA	Horizontal 1/4"	160°F	200°F	40°F
PLF200VA	Vertical 1/4"	160°F	200°F	40°F
PLF210HA	Horizontal 1/4"	170°F	210°F	40°F
PLF222VA	Vertical 1/4"	182°F	222°F	40°F
PLF230HA	Horizontal 1/4"	190°F	230°F	40°F
PLF230HB	Horizontal 3/16"	190°F	230°F	40°F
PLF250HA	Horizontal 1/4"	200°F	250°F	50°F
PLF252VB	Vertical 3/16"	202°F	252°F	50°F
PLF255VA	Vertical 1/4"	205°F	255°F	50°F
PLF260HA	Horizontal 1/4"	210°F	260°F	50°F
PLF275HB	Horizontal 3/16"	225°F	275°F	50°F
PLF275VB	Vertical 3/16"	225°F	275°F	50°F
PLF280HB	Horizontal 3/16"	230°F	280°F	50°F
PLF300HB	Horizontal 3/16"	250°F	300°F	50°F
PLF300VA	Vertical 1/4"	250°F	300°F	50°F
PLF330VA	Vertical 1/4"	280°F	330°F	50°F

Manual - SPST - Limit Thermostats



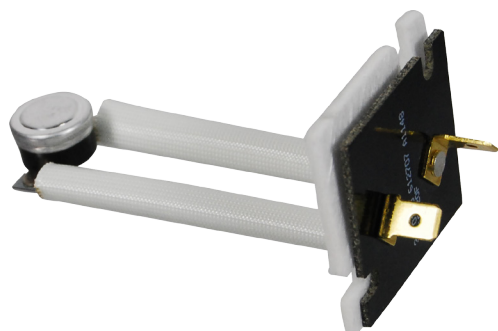
Features

- Used in gas fired furnaces, unit heater and rooftop units
- Manual reset
- Wide temperature range for most heating applications



Item ID	Terminals	Switch Action	Switch Type	Cut In Temp.	Cut Out Temp.	Amps	Volts	Hertz	Replaces
Packard									
PRL130	Vertical 1/4"	Open On Rise	SPST	Manual Reset	130°F	16.0	250	50/60	Rheem 47-22453-01
PRL135	Vertical 1/4"	Open On Rise	SPST	Manual Reset	135°F	16.0	250	50/60	Rheem 47-22453-02
PRL220	Vertical 1/4"	Open On Rise	SPST	Manual Reset	220°F	16.0	250	50/60	Nordyne 626354
PRL230	Vertical 1/4"	Open On Rise	SPST	Manual Reset	230°F	16.0	250	50/60	Nordyne 626353
PRL240	Vertical 1/4"	Open On Rise	SPST	Manual Reset	240°F	16.0	250	50/60	Nordyne 626355
PRL250	Vertical 1/4"	Open On Rise	SPST	Manual Reset	250°F	16.0	250	50/60	Nordyne 626352
PRL260	Vertical 1/4"	Open On Rise	SPST	Manual Reset	260°F	16.0	250	50/60	Nordyne 626350
PRL300	Vertical 1/4"	Open On Rise	SPST	Manual Reset	300°F	16.0	250	50/60	Heil 1005549 York 026-34027-000
PRL350	Vertical 1/4"	Open On Rise	SPST	Manual Reset	350°F	16.0	250	50/60	Rheem 47-22861-01 Goodman B1370154

Plenum Thermostats



Features

- Opens when furnace plenum area temperature is too high
- Shuts furnace down until the temperature returns to normal

Item ID	Close Temp. °F	Open Temp. °F	Thermodisc	Carrier	Bryant	Goodman	Rheem	Trane	York
Packard									
PHL501	130	170	L170-40 SPST	P331-2203	HH12ZA174A HH127A176A		47-21711-06		025-29041-007
PHL502	150	180	L180-30 SPST		HH12ZA178A	B1370001			
PHL503	150	190	L190-40 SPST	P331-2205	HH12ZA189 HH12ZB190 HH12ZA193A		47-21711-03		025-29041-012
PHL504	200	240	L240-40 SPST	P331-2217	HH12ZA240 HH12ZA252A				
PHL505	100	140	L140-40 SPST		HH12ZB140				
PHL506	130	170	L170-40 SPST		HH12ZB170			SWT1258	
PHL507	110	140	L140-30 SPST		HH12ZA140				025-29041-005
PHL508	170	190	L150-20 SPST	P331-2005	HH12ZB190 HH12ZA193 HH12ZA189	B1370913		SWT1260	
PHL509	210	240	L240-30 SPST	P331-2217	HH12ZB240 HH12ZA252 HH12ZA240	B1370903			
PHL510	130	150	L150-20 SPST		HH12ZB150				
PHL511	140	160	L160-20 SPST		HH12ZB160				025-29041-004
PHL512	150	170	L170-20 SPST		HH12ZB170				
PHL513	130	170	L170-40 SPST						
PHL514	104	180	L180-40 SPST		HH12ZB180				025-29031-711
PHL515	160	200	L200-40 SPST		HH12ZB200 HH12ZA199 HH12ZA201				025-29041-006
PHL516	170	210	L210-40 SPST		HH12ZB210			SWT1263	
PHL517	180	220	L220-50 SPST	48NHT042	HH12ZB220 HH12ZA219 HH12ZA223			SWT1273	
PHL518	210	250	L250-40 SPST	P331-2208	HH12ZB250 HH12ZA251	B1370012S		SWT1261 SWT1272	
PHL519	125	155	L155-30 SPST			B1370006			

Adjustable Thermostats

Applications

- Covers approximately 95% of the hundreds of different temperature ranges and styles used on dryers and heating applications

Features

- Dial knob
- 1/4" quick connect terminals
- UL recognized and CSA certified



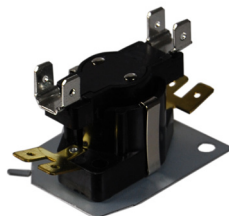
Item ID	Switch Action	Switch Type	Temp. Range	Differential	Volts	Amps	Hertz	Replaces
Packard Limit Controls								
PT012	Open On Rise	SPST	135°F to 175°F	40°F	250	25	50/60	AT012 39220 3L05-1
PT013	Open On Rise	SPST	175°F to 215°F	40°F	250	25	50/60	AT013 39225 3L05-2
PT014	Open On Rise	SPST	210°F to 250°F	40°F	250	25	50/60	AT014 39230 3L05-4
PT015	Open On Rise	SPST	250°F to 290°F	40°F	250	25	50/60	AT015 39235 3L05-13
Packard Fan Controls								
PT021	Close On Rise	SPST	90°F to 130°F	20°F	250	25	50/60	AT021 39205 3F05-1
PT022	Close On Rise	SPST	140°F to 180°F	20°F	250	25	50/60	AT022 39210 3F05-2

Heat Sequencers

HS24A341



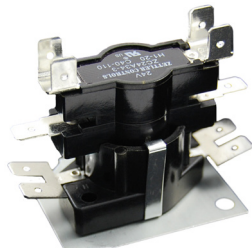
HS24A342



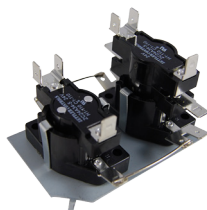
HS24A343



HS24A344



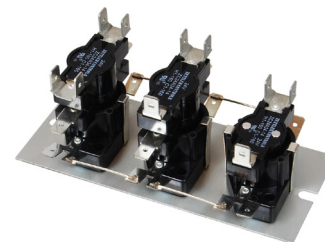
HS24A345



HS24A346



HS24A3414



Features

- Contact ratings: up to 25 Amps at 120 or 240 Volts and 12.5 Amps at 480 Volts
- Full-load rated auxiliary contacts
- Standard operating ambient between -50°F (-45.5°C) and 165°F (73.8°C)
- Shock and vibration resistant
- Solid state
- Quick-connect terminals
- Mounts in any position
- UL and CSA recognized

Item ID	Timings - On							Timings - Off					Type
	Timings	Switches	M1-M2	M3-M4	M5-M6	M7-M8	M9-M10	M1-M2	M3-M4	M5-M6	M7-M8	M9-M10	
Packard													
HS24A341	1	1	1-20					40-110					SPST
HS24A342	1	1			30-90					1-30			SPST
HS24A343	1	2	1-20	1-20				40-110	40-110				DPDT
HS24A344	1	2			30-90	30-90				1-30	1-30		DPDT
HS24A345	2	3	1-110	1-110	1-110			1-110	1-110	1-110			DPDT-SPST
HS24A346	2	4	1-110	1-110	1-110	1-110		1-110	1-110	1-110	1-110		2-DPDT
HS24A3414	4	5	1-160	1-160	1-160	1-160	1-160	1-160	1-160	1-160	1-160	1-160	2DPDT-SPST

Item ID	HS24A341	HS24A342	HS24A343	HS24A344	HS24A345	HS24A346	HS24A3414
Replaces							
Gemline	GS101	GS102	GS103	GS104	GS105	GS106	GS107
Klixon	60000AOM	A012	E017	51172-22	51172-32	51172-33	51172-131-5
White-Rodgers	24A34-1	24A34-2	24A34-3	24A34-4	24A34-5	24A34-6	24A34-14

Direct Replacement For Goodman



Item ID	Type	Control Voltage	Delay On (Seconds)	Delay Off (Seconds)	Replaces
Packard					
HS33247	SPDT 1 & 3 N.O.	24	1-24	15-75	Goodman B1370738 Klixon COM-21



ONE BIG HAPPY FAMILY



THE TITAN FAMILY OF PRODUCTS IS THE SOLUTION TO YOUR ELECTRICAL NEEDS.

Titan capacitors are the #1 brand in the market today.

- Titan Flex® is an inventory reducing, lightweight easy to install all-in-one solution.
- Titan Pro® and Titan HD® reduce your inventory costs by providing you with a dual voltage capacitor, endurance and craftsmanship.
- The Titan Max® line offers definite purpose contactors and auxiliary switches that are built to offer you maximum dependability.

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Packard
Supplying HVACR solutions with your needs in mind.

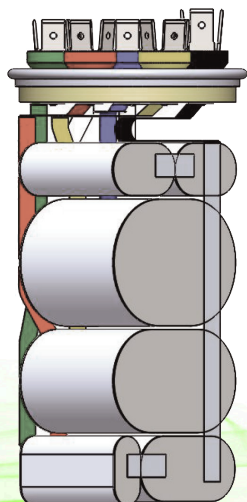
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A full line of inventory reducing multi-rated capacitors.
Featuring a range of 300 of the most popular industry
microfarad ratings at both 370 and 440 volts, Titan Flex®
gives you FLEXibility for the way your work.



TITANFLEX®

TITAN FLEX® Multi-Rated Capacitors



FLEXibility for the way you work.

Features

- All-in-one solution that creates an efficient work environment
- Proprietary individual coil design provides integrity for each rating
- Tolerance: +/- 5% @ 60Hz
- Rated Voltage: 440/370 VAC
- Rated Temperature 70°C Max
- Five Year Warranty



TITANFLEX®

Item ID: TITANFLEX

Capacitance Range: 2.5-7.5

- 25 mfd Blue
- 20 mfd Yellow
- 10 mfd Red
- 5 mfd White
- 2.5 mfd Green

Equipped with quick connect lug terminals



TITANFLEX® XL

Item ID: TITANFLEXXL

Capacitance Range: 5-97.5

- 50 mfd Purple
- 20 mfd Yellow
- 10 mfd Red
- 7.5 mfd Brown
- 5 mfd White

Equipped with quick connect lug terminals



TITANFLEX® SM

Item ID: TITANFLEXSM

Capacitance Range: 2.5 (3)-12.5

- 5 mfd White
- 2.5 mfd green

Helpful Tip



THERE'S AN APP FOR THAT!

TIRED OF CONFUSING POSTER SIZED WIRING DIAGRAMS? NOW THERE IS AN APP FOR THAT, FLEXIBLY DESIGNED FOR THE WAY YOU WORK! THE TITAN FLEX APP IS NOW AVAILABLE FOR FREE ON ALL SMARTPHONES AND TABLETS, JUST SCAN THE QR CODE.



TITAN HD® Oval Motor Run Capacitors

Features

- Manufactured to EIA-456A standards
- Up to 60,000 hours operational life
- Aluminum cans filled with soybean based oil
- UL-801 fault current protection
- RoHS compliant
- Approval certifications: UL, cUL, IEC 60252
- MADE IN USA



Longevity you can count on;

craftsmanship to be proud of.

Single Section - Oval

Item ID	MFD	Can Size
Titan HD 370 Volt		
POC2A	2	1
POC3A	3	1
POC4A	4	1
POC5A	5	1
POC6A	6	1
POC7.5A	7.5	1
POC10A	10	2
POC12.5A	12.5	2
POC15A	15	2
POC17.5A	17.5	3
POC20A	20	3
POC25A	25	3
POC30A	30	3
POC35A	35	3
POC40A	40	3
POC45A	45	3
POC50A	50	13
POC55A	55	13
POC60A	60	13
POC70A	70	13
POC80A	80	13
Titan HD 440/370 Volt		
POCF2A	2	1
POCF2.5A	2.5	1
POCF3A	3	1
POCF4A	4	1
POCF5A	5	1
POCF6A	6	1
POCF7.5A	7.5	2
POCF10A	10	3
POCF12.5A	12.5	3
POCF15A	15	3
POCF17.5A	17.5	3
POCF20A	20	3
POCF25B	25	3
POCF30A	30	4
POCF35A	35	4
POCF40A	40	13
POCF45A	45	13
POCF50A	50	13
POCF55A	55	13
POCF60A	60	14
POCF70A	70	14
POCF80A	80	14

Dual Section - Oval

Item ID	MFD	Can Size
Titan HD 370 Volt		
POCD55A	5+5	5
POCD1010A	10+10	5
POCD153A	15+3	12
POCD154A	15+4	12
POCD155A	15+5	12
POCD1510A	15+10	5
POCD1755A	17.5+5	12
POCD203A	20+3	5
POCD204A	20+4	12
POCD205A	20+5	12
POCD2010A	20+10	6
POCD2015A	20+15	8
POCD253A	25+3	6
POCD254A	25+4	6
POCD255A	25+5	12
POCD2575A	25+7.5	12
POCD258A	25+8	8
POCD2510A	25+10	12
POCD2515A	25+15	8
POCD303A	30+3	13
POCD305A	30+5	13
POCD3075A	30+7.5	8
POCD3010A	30+10	13
POCD353A	35+3	8
POCD354A	35+4	13
POCD355A	35+5	13
POCD3575A	35+7.5	13
POCD3510A	35+10	13
POCD403A	40+3	9
POCD404A	40+4	9
POCD405A	40+5	13
POCD4075A	40+7.5	13
POCD4010A	40+10	13
POCD455A	45+5	13
POCD4575A	45+7.5	13
POCD4510A	45+10	13
POCD4515A	45+15	10
POCD505A	50+5	13
POCD555A	55+5	14
POCD5575A	55+7.5	10
POCD605A	60+5	10
POCD6075A	60+7.5	14
POCD6010A	60+10	10

Notes:

- Height dimension does not include terminals. Add 1/2" for terminals.
- Please call when dimensions are critical.

Can Size	Depth (In.)	Width (In.)	Height (In.)
Can Dimension			
1	1.25	2.00	1.56
2	1.25	2.00	2.19
3	1.25	2.00	2.88
4	1.25	2.00	3.88
5	1.75	2.75	2.38
6	1.75	2.75	2.75
7	1.75	2.75	3.13
8	1.75	2.75	3.25
9	1.75	2.75	3.75
10	1.75	2.75	4.25
11	1.75	2.75	4.75
12	1.85	2.75	2.38
13	1.85	2.75	2.91
14	1.85	2.75	3.91
15	1.85	2.75	4.75
16	1.85	3.54	4.75

Dual Section - Oval

Item ID	MFD	Can Size
Titan HD 440/370 Volt		
POCFD105A	10+5	5
POCFD154A	15+4	5
POCFD155A	15+5	12
POCFD1510A	15+10	6
POCFD205A	20+5	12
POCFD2015A	20+15	13
POCFD255A	25+5	13
POCFD2575A	25+7.5	13
POCFD2510A	25+10	13
POCFD2515A	25+15	9
POCFD304A	30+4	13
POCFD305A	30+5	13
POCFD3075A	30+7.5	13
POCFD3010A	30+10	13
POCFD353A	35+3	13
POCFD354A	35+4	9
POCFD355A	35+5	13
POCFD3575A	35+7.5	13
POCFD3510A	35+10	10
POCFD403A	40+3	11
POCFD405A	40+5	14
POCFD4075A	40+7.5	14
POCFD4010A	40+10	14
POCFD455A	45+5	14
POCFD4575A	45+7.5	14
POCFD505A	50+5	15
POCFD5075A	50+7.5	15
POCFD555A	55+5	15
POCFD5510A	55+10	15
POCFD605A	60+5	15
POCFD6510A	65+10	15
POCFD805A	80+5	16
POCFD8075A	80+7.5	16



TITAN HD® Round Motor Run Capacitors



Scan to
learn more

Single Section - Round

Item ID	MFD	Can Size
Titan HD 370 Volt		
PRC5A	5	1
PRC7.5A	7.5	1
PRC10A	10	1
PRC12.5A	12.5	1
PRC15A	15	1
PRC17.5A	17.5	2
PRC20A	20	1
PRC25A	25	1
PRC30A	30	1
PRC31.5A	31.5	5
PRC35A	35	3
PRC40A	40	3
PRC45A	45	3
PRC50A	50	4
PRC55A	55	4
PRC60A	60	4
PRC70A	70	11
PRC80A	80	8
PRC100A	100	12
Titan HD 440/370 Volt		
PRCF5A	5	1
PRCF7.5A	7.5	1
PRCF10A	10	1
PRCF12.5A	12.5	1
PRCF15A	15	1
PRCF17.5A	17.5	1
PRCF20A	20	1
PRCF25A	25	3
PRCF30A	30	3
PRCF35A	35	4
PRCF40A	40	4
PRCF45A	45	4
PRCF50A	50	8
PRCF55A	55	8
PRCF60A	60	8
PRCF65A	65	10
PRCF70A	70	10
PRCF80A	80	10
PRCF90A	90	15

Can Size	Diameter (In.)	Height (In.)
Can Dimension		
1	1.75	2.38
2	1.75	2.75
3	1.75	2.84
4	1.75	3.84
5	2	2.75
6	2	2.91
7	2	3.75
8	2	3.84
9	2	4.25
10	2	4.75
11	2	5.25
12	2.5	2.91
13	2.5	3.25
14	2.5	3.75
15	2.5	3.91
16	2.5	4.25
17	2.5	4.75

Dual Section - Round

Item ID	MFD	Can Size
Titan HD 370 Volt		
PRCD253A	25+3	6
PRCD254A	25+4	6
PRCD255A	25+5	6
PRCD303A	30+3	6
PRCD304A	30+4	6
PRCD305A	30+5	6
PRCD3075A	30+7.5	6
PRCD3010A	30+10	6
PRCD353A	35+3	6
PRCD354A	35+4	6
PRCD355A	35+5	6
PRCD3575A	35+7.5	6
PRCD3510A	35+10	6
PRCD403A	40+3	6
PRCD404A	40+4	6
PRCD405A	40+5	6
PRCD4075A	40+7.5	6
PRCD4010A	40+10	6
PRCD453A	45+3	6
PRCD455A	45+5	6
PRCD4575A	45+7.5	6
PRCD4510A	45+10	9
PRCD503A	50+3	6
PRCD505A	50+5	6
PRCD5075A	50+7.5	6
PRCD5010A	50+10	6
PRCD555A	55+5	8
PRCD5575A	55+7.5	8
PRCD5510A	55+10	8
PRCD605A	60+5	8
PRCD6075A	60+7.5	8
PRCD6010A	60+10	8
PRCD805A	80+5	12
PRCD8075A	80+7.5	12
PRCD8010A	80+10	14
PRCD80125A	80+12.5	16

Features

- Manufactured to EIA-456A standards
- Up to 60,000 hours operational life
- Aluminum cans filled with soybean based oil
- UL-801 fault current protection
- RoHS compliant
- Approval certifications: UL, cUL, IEC 60252
- MADE IN USA

Dual Section - Round

Item ID	MFD	Can Size
Titan HD 440/370 Volt		
PRCFD105A	10+5	5
PRCFD205A	20+5	6
PRCFD2015A	20+15	6
PRCFD253A	25+3	6
PRCFD255A	25+5	6
PRCFD2575A	25+7.5	6
PRCFD2510A	25+10	7
PRCFD2515A	25+15	6
PRCFD303A	30+3	6
PRCFD304A	30+4	6
PRCFD305A	30+5	6
PRCFD3075A	30+7.5	6
PRCFD353A	35+3	8
PRCFD354A	35+4	8
PRCFD355A	35+5	8
PRCFD356A	35+6	8
PRCFD3575A	35+7.5	8
PRCFD3510A	35+10	8
PRCFD403A	40+3	8
PRCFD404A	40+4	8
PRCFD405A	40+5	8
PRCFD406A	40+6	8
PRCFD4075A	40+7.5	8
PRCFD4010A	40+10	8
PRCFD453A	45+3	8
PRCFD455A	45+5	8
PRCFD456A	45+6	14
PRCFD4575A	45+7.5	8
PRCFD4510A	45+10	8
PRCFD505A	50+5	8
PRCFD5075A	50+7.5	8
PRCFD555A	55+5	12
PRCFD5575A	55+7.5	12
PRCFD5510A	55+10	12
PRCFD605A	60+5	12
PRCFD6075A	60+7.5	12
PRCFD6010A	60+10	12
PRCFD60125A	60+12.5	17
PRCFD705A	70+5	15
PRCFD7075A	70+7.5	15
PRCFD7010A	70+10	15
PRCFD805A	80+5	15
PRCFD8075A	80+7.5	15
PRCFD8010A	80+10	15

Notes:

- Height dimension does not include terminals. Add 1/2" for terminals.
- Please call when dimensions are critical.

TITAN PRO® Motor Run Capacitors



TITAN PRO®

Why Go PRO?

At 60,000 hours of operational life, Titan Pro® Professional Grade Motor Run Capacitors get the job done by outperforming standard motor run capacitors of similar value in the toughest conditions.

440/370 volt

Reduce your inventory costs
with a Dual Voltage capacitor

Scan to learn more



Oval

Item ID	MFD	Depth (In.)	Width (In.)	Height (In.)	Industry Nos.	
Titan Pro 440/370 Volt - Single Section						
TOCF2	2	1.24	2.03	2.17	12026	12002
TOCF2.5	2.5	1.24	2.03	2.17	12019	—
TOCF3	3	1.24	2.03	2.17	12027	12003
TOCF4	4	1.24	2.03	1.50	12028	12004
TOCF5	5	1.24	2.03	2.17	12029	12005
TOCF6	6	1.24	2.03	2.52	12030	12006
TOCF7.5	7.5	1.24	2.03	2.17	12031	12007
TOCF10	10	1.24	2.03	2.56	12032	12008
TOCF12.5	12.5	1.24	2.03	2.95	12033	12009
TOCF15	15	1.24	2.03	2.95	12034	12010
TOCF17.5	17.5	1.24	2.03	3.74	12036	12012
TOCF20	20	1.77	2.80	2.68	12037	12014
TOCF25	25	1.77	2.80	3.07	12040	12015
TOCF30	30	1.77	2.80	3.46	12041	12017
TOCF35	35	1.77	2.80	3.86	12043	12018
TOCF40	40	1.77	2.80	4.06	12045	12021
TOCF45	45	1.77	2.80	4.45	12048	12023
TOCF50	50	1.77	2.80	4.84	12049	12025
TOCF55	55	1.77	2.80	5.04	12050	12024
TOCF60	60	1.87	3.54	3.78	12051	12087
TOCF65	65	1.87	3.54	3.98		

Titan Pro 480 Volt - Single Section

TOCF25A	25	1.77	2.80	3.66	—	—
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Titan Pro 440/370 Volt - Dual Section

TOCFD154	15+4	1.77	2.80	2.36	12270	12056
TOCFD155	15+5	1.77	2.80	2.36	12271	12057
TOCFD2015	20+15	1.77	2.80	3.86	12083	12164
TOCFD255	25+5	1.77	2.80	3.46	12184	12066
TOCFD2575	25+7.5	1.77	2.80	3.46	12182	12143
TOCFD2510	25+10	1.77	2.80	3.86	12183	12167
TOCFD304	30+4	1.77	2.80	3.86	12181	12145
TOCFD305	30+5	1.77	2.80	3.86	12187	12069
TOCFD3075	30+7.5	1.77	2.80	3.86	12038	12146
TOCFD353	35+3	1.77	2.80	4.25	12085	12148
TOCFD354	35+4	1.77	2.80	4.25	12179	12071
TOCFD355	35+5	1.77	2.80	4.25	12185	12072
TOCFD3575	35+7.5	1.77	2.80	4.25	12188	12149
TOCFD405	40+5	1.77	2.80	4.17	12086	12171
TOCFD4075	40+7.5	1.87	3.54	3.78	12189	12152
TOCFD455	45+5	1.77	2.80	5.04	12190	12174
TOCFD505	50+5	1.87	3.54	4.37	12108	12138
TOCFD555	55+5	1.87	3.54	4.57	12275	12154
TOCFD5510	55+10	1.87	3.54	5.16	12276	—
TOCFD605	60+5	1.87	3.54	5.55	12109	12139

Notes:

- Height dimension does not include terminals. Add 3/4" for terminals.
- Please call when dimensions are critical.



Round

Item ID	MFD	Diameter (In.)	Height (In.)	Industry Nos.	
Titan Pro 440/370 Volt - Single Section					
TRCF3	3	1.77	2.17	12103	12803
TRCF5	5	1.77	2.17	12105	12095
TRCF7.5	7.5	1.77	2.17	12107	12097
TRCF10	10	1.77	2.17	12232	12098
TRCF12.5	12.5	1.77	2.17	12233	12099
TRCF15	15	1.77	2.56	12234	12210
TRCF17.5	17.5	1.77	2.76	12236	12212
TRCF20	20	1.77	2.95	12237	12214
TRCF25	25	1.97	2.95	12240	12215
TRCF30	30	1.97	3.35	12241	12217
TRCF35	35	1.97	3.54	12243	12218
TRCF40	40	1.97	3.94	12245	12221
TRCF45	45	1.97	4.33	12248	12223
TRCF50	50	1.97	4.72	12251	12225
TRCF55	55	1.97	4.92	12252	12226
TRCF60	60	2.17	4.53	12254	12227
TRCF70	70	2.17	4.92	12258	12229
TRCF80	80	2.50	4.72	12259	12199
TRCF100	100	2.50	5.31	—	—

Titan Pro 440/370 Volt - Dual Section

TRCFD205	20+5	1.97	3.74	12115	12260
TRCFD2015	20+15	1.97	3.94	12112	12209
TRCFD255	25+5	1.97	3.54	12278	12261
TRCFD2575	25+7.5	1.97	3.74	12279	12262
TRCFD2515	25+15	1.97	4.33	12114	—
TRCFD303	30+3	1.97	4.33	12126	12244
TRCFD305	30+5	1.97	3.94	12281	12264
TRCFD3075	30+7.5	1.97	4.13	12282	12224
TRCFD353	35+3	2.50	3.74	12077	12082
TRCFD354	35+4	1.97	4.53	12070	12231
TRCFD355	35+5	1.97	4.13	12283	12266
TRCFD3575	35+7.5	2.36	3.54	12284	12235
TRCFD403	40+3	2.50	3.74	12078	12074
TRCFD405	40+5	2.36	3.54	12286	12178
TRCFD4075	40+7.5	2.50	3.74	12287	12268
TRCFD453	45+3	2.50	3.74	12079	12073
TRCFD455	45+5	2.50	3.74	12288	12269
TRCFD4575	45+7.5	2.50	3.74	12289	12249
TRCFD505	50+5	2.50	3.94	12290	12191
TRCFD5075	50+7.5	2.50	3.94	12291	12192
TRCFD555	55+5	2.50	4.13	12292	12193
TRCFD5575	55+7.5	2.36	4.33	12293	12194
TRCFD603	60+3	2.50	4.33	12160	—
TRCFD605	60+5	2.36	4.33	12294	12195
TRCFD6075	60+7.5	2.36	4.53	12295	12196
TRCFD6010	60+10	2.50	4.53	12296	12265
TRCFD705	70+5	2.50	4.92	12255	12053
TRCFD7075	70+7.5	2.50	4.92	12166	12054
TRCFD805	80+5	2.50	5.31	12257	12197
TRCFD8075	80+7.5	2.50	5.12	12216	12198
TRCFD8010	80+10	2.50	5.31	12117	12201

TITAN PRO 370® Motor Run Capacitors

TITAN PRO 370® 370 volt offers
best value in class

PRO - series: Features & Benefits

- RELIABLE.** Tested to 60,000 hours
- COMPLIANT.** Built to EIA-456A industry standard for endurance
- CERTIFIED.** Meets UL 810 safety standards
- TESTED.** 100% electrical testing
- ROBUST.** Heat tolerant, high-grade metallized polypropylene film and proprietary Epoxidized Soybean Oil (ESO)



Capacitor Accessories
See pages 230-231



Round

Item ID	MFD	Diameter (In.)	Height (In.)	Industry No
Titan Pro 370 Volt - Single Section				
TRC5	5	1.77	2.17	12995
TRC7.5	7.5	1.77	2.17	12997
TRC10	10	1.77	2.17	12998
TRC12.5	12.5	1.77	2.76	12999
TRC15	15	1.77	2.76	12710
TRC17.5	17.5	1.77	2.36	12712
TRC20	20	1.77	2.95	12714
TRC25	25	1.77	2.95	12715
TRC30	30	1.97	2.76	12717
TRC35	35	1.97	2.95	12718
TRC40	40	1.97	3.35	12721
TRC45	45	1.97	3.54	12723
TRC50	50	1.97	3.74	12725
TRC55	55	1.97	3.94	12726
TRC60	60	1.97	4.33	12727
TRC65	65	1.97	4.33	12128
TRC70	70	2.50	3.74	12729
TRC80	80	1.97	5.31	12899
TRC100	100	2.50	4.33	—

Titan Pro 370 Volt - Dual Section				
TRCD1010	10+10	1.97	2.56	—
TRCD154	15+4	1.97	2.95	12702
TRCD155	15+5	1.97	2.95	12703
TRCD205	20+5	1.97	3.35	12760
TRCD253	25+3	1.97	2.95	12711
TRCD254	25+4	1.97	2.95	12875
TRCD255	25+5	1.97	3.35	12761
TRCD303	30+3	1.97	3.54	12720
TRCD304	30+4	1.97	3.15	12763
TRCD305	30+5	1.97	3.54	12764
TRCD3075	30+7.5	1.97	3.94	12724
TRCD353	35+3	1.97	3.94	12730
TRCD355	35+5	1.97	3.94	12766
TRCD3575	35+7.5	1.97	4.33	12735
TRCD403	40+3	1.97	4.13	12739
TRCD405	40+5	1.97	4.13	12878
TRCD4075	40+7.5	1.97	4.53	12768
TRCD455	45+5	1.97	3.94	12769
TRCD4575	45+7.5	1.97	4.33	12749
TRCD505	50+5	1.97	4.72	12755
TRCD5075	50+7.5	1.97	4.92	—
TRCD5010	50+10	1.97	4.53	12757
TRCD555	55+5	2.50	3.74	12893
TRCD5575	55+7.5	2.50	3.74	12894
TRCD605	60+5	2.50	4.13	12895
TRCD6075	60+7.5	2.50	4.13	12896
TRCD705	70+5	2.50	4.33	—
TRCD7075	70+7.5	2.50	4.33	—
TRCD805	80+5	2.50	4.72	12897
TRCD8075	80+7.5	2.50	4.72	—
TRCD8010	80+10	2.50	4.92	—

Item ID	MFD	Depth (In.)	Width (In.)	Height (In.)	Industry No
Titan Pro 370 Volt - Single Section					
TOC2	2	1.24	2.03	2.17	12902
TOC3	3	1.24	2.03	2.17	12903
TOC4	4	1.24	2.03	2.17	12904
TOC5	5	1.24	2.03	2.17	12905
TOC5B*	5	1.24	2.03	2.17	12905
TOC6	6	1.24	2.03	2.17	12906
TOC7.5	7.5	1.24	2.03	2.17	12907
TOC7.5B*	7.5	1.24	2.03	2.17	12907
TOC10	10	1.24	2.03	2.56	12908
TOC10B*	10	1.24	2.03	2.56	12908
TOC12.5	12.5	1.24	2.03	2.95	12909
TOC15	15	1.24	2.03	2.95	12910
TOC17.5	17.5	1.24	2.03	3.35	12912
TOC20	20	1.77	2.80	2.68	12914
TOC25	25	1.77	2.80	2.68	12915
TOC30	30	1.77	2.80	2.87	12917
TOC35	35	1.77	2.80	3.27	12918
TOC40	40	1.77	2.80	3.46	12921
TOC45	45	1.77	2.80	3.66	12923
TOC50	50	1.77	2.80	3.86	12925
TOC55	55	1.87	3.54	2.99	12924
TOC60	60	1.77	2.80	4.45	12987
TOC70	70	1.87	3.54	3.39	12989
TOC80	80	1.87	3.54	3.78	12990

Titan Pro 370 Volt - Dual Section					
TOCD55	5+5	1.91	2.91	2.09	—
TOCD1010	10+10	1.91	2.91	2.87	—
TOCD153	15+3	1.77	2.80	2.87	12841
TOCD155	15+5	1.77	2.80	2.68	12957
TOCD255	25+5	1.77	2.80	3.07	12966
TOCD305	30+5	1.77	2.80	3.27	12969
TOCD353	35+3	1.77	2.80	3.46	12848
TOCD355	35+5	1.77	2.80	3.46	12972
TOCD405	40+5	1.77	2.80	9.86	12871
TOCD455	45+5	1.91	2.91	4.25	12874

Notes:

- Height dimension does not include terminals. Add 3/4" for terminals.
- Please call when dimensions are critical.
- * Bulk - in multiples of 100

Packard Start Capacitors

Item ID	MFD	Can Size	Industry No.
Packard 110-125 VAC			
PMJ21	21-25	1	11002
PMJ25	25-30	1	11003
PMJ30	30-36	1	11004
PMJ36	36-43	1	11005
PMJ43	43-53	1	11006
PMJ47	47-56	1	
PMJ56	56-75	1	11007
PMJ64	64-77	1	
PMJ72	72-88	1	11008
PMJ88	88-108	1	11009
PMJ108	108-130	1	11010
PMJ124	124-149	1	11112
PMJ130	130-156	1	11112
PMJ145	145-174	1	11013
PMJ161	161-193	1	11014
PMJ189	189-227	1	11015
PMJ200	200-240	1	11016
PMJ216	216-259	1	11017
PMJ216A	216-259	2	11017
PMJ233	233-280	1	10018
PMJ233A	233-280	2	10018
PMJ243	243-292	1	
PMJ243A	243-292	2	
PMJ270	270-324	1	11019
PMJ270A	270-324	2	11019
PMJ295	295-354	1	
PMJ300	300-360	3	11020
PMJ324	324-388	1	11021
PMJ324A	324-388	4	11021
PMJ324B	324-388	2	11021
PMJ340	340-408	2	11022
PMJ340A	340-408	4	11022
PMJ378	378-455	2	11023
PMJ378A	378-455	4	11023
PMJ400	400-480	2	11024
PMJ400A	400-480	4	11024
PMJ430	430-516	2	
PMJ430A	430-516	4	
PMJ430B	430-516	6	
PMJ460	460-552	2	11025
PMJ460A	460-552	4	11025
PMJ460B	460-552	5	11025
PMJ540	540-648	5	11026
PMJ540A	540-648	4	11026
PMJ590	590-708	5	11027
PMJ590A	590-708	4	11027
PMJ645	645-774	5	
PMJ708	708-850	5	11028
PMJ708A	708-850	7	11028
PMJ708B	708-850	4	11028
PMJ800	800-960	4	
PMJ815	815-978	5	
PMJ829	829-995	5	11029
PMJ829A	829-995	7	11029
PMJ850	850-1020	7	
PMJ860	860-1032	4	
PMJ1000	1000-1200	7	11030
PMJ1290	1290-1548	7	

Can Size	Diameter (In.)	Height (In.)
Can Dimension		
1	1 7/16	2 3/4
2	1 7/16	3 3/8
3	1 7/16	4 3/8
4	1 13/16	3 3/8
5	1 13/16	4 3/8
6	2 1/16	3 3/8
7	2 1/16	4 3/8
8	2 9/16	4 3/8

Item ID	MFD	Can Size	Industry No.
Packard 165 VAC			
PSMJ72	72-88	1	
PSMJ88	88-108	1	
PSMJ108	108-130	1	
PSMJ124	124-149	1	11031
PSMJ130	130-156	2	
PSMJ145	145-174	2	11032
PSMJ161	161-193	2	11033
PSMJ189	189-227	2	11034
PSMJ216	216-259	4	
PSMJ233	233-280	4	11035
PSMJ243	243-292	4	
PSMJ270	270-324	4	11036
PSMJ340	340-408	4	
PSMJ378A	378-455	5	
PSMJ400	400-480	4	11037
PSMJ540	540-648	4	
PSMJ710	710-850	6	
PSMJ710A	710-850	7	
PSMJ810A	810-972	7	
Packard 220-250 VAC			
PTMJ21	21-25	1	11038
PTMJ25	25-30	1	11039
PTMJ30	30-36	1	11040
PTMJ36	36-43	1	11041
PTMJ43	43-53	1	11042
PTMJ43A	43-53	2	11042
PTMJ47	47-56	1	
PTMJ53	53-64	2	
PTMJ56	56-64	1	11043
PTMJ56A	56-72	1	11043
PTMJ59	59-71	6	
PTMJ64	64-77	1	
PTMJ64A	64-77	2	
PTMJ72	72-88	4	11044
PTMJ86	86-108	6	
PTMJ88	88-108	4	11045
PTMJ105	105-126	6	
PTMJ108	108-130	4	11046
PTMJ124	124-149	5	11148
PTMJ124A	124-149	4	11148
PTMJ130	130-158	4	
PTMJ130A	130-158	5	
PTMJ145	145-174	4	11049
PTMJ145A	145-174	6	11049
PTMJ161	161-193	6	11050
PTMJ161A	161-193	5	11050
PTMJ189	189-227	6	11051
PTMJ189A	189-227	7	11051
PTMJ216	216-259	6	11052
PTMJ216A	216-259	7	11052
PTMJ233	233-280	6	11053
PTMJ233A	233-280	7	10053
PTMJ243	243-292	6	
PTMJ270	270-324	6	11054
PTMJ270A	270-324	7	11054
PTMJ280	280-336	7	
PTMJ284	284-333	8	
PTMJ320	320-384	7	
PTMJ340	340-408	7	
PTMJ378	378-455	8	
PTMJ400	400-480	7	
PTMJ400A	400-480	8	
PTMJ430	430-516	8	
PTMJ630	630-750	8	

Notes:

- Please call when dimensions are critical.
- * Shipped with resistor mounted on capacitor



Features

- Dry, electrolytic, non polarized capacitors for intermittent duty in AC motor starting circuits.
- Cans are made of moisture and oil resistant molded phenolic resin or plastic.
- Standard dual blade terminals.
- Operating temperature range: -40°C to 65°C (-40°F to 149°F)
- UL and cUL recognized
- Rated 3-second start
- 20 Starts per hour
- 50/60 Hertz

Helpful Tip



A BLEED RESISTOR SHOULD ALWAYS BE USED ON COMPRESSOR APPLICATIONS TO AVOID RELAY FAILURE OR LOSS OF COMPRESSOR WINDING DUE TO A VOLTAGE SPIKE.
[SEE PAGE 231](#)

Item ID	MFD	Can Size	Industry No.
Packard 330 VAC			
PRMJ21	21-25	2	11055
PRMJ25	25-30	2	11056
PRMJ30	30-36	2	11057
PRMJ36	36-43	2	11058
PRMJ43	43-53	4	11059
PRMJ47	47-56	4	
PRMJ56	53-64	4	11060
PRMJ64	64-77	4	
PRMJ72	72-88	4	11061
PRMJ72A	72-88	6	11061
PRMJ88	88-108	6	11062
PRMJ108	108-130	7	11063
PRMJ108A	108-130	6	11063
PRMJ108R	108-130	4	
PRMJ124	124-149	7	11165
PRMJ130	130-158	7	11064
PRMJ135	135-162	7	
PRMJ145	145-174	7	11066
PRMJ145A	145-174	8	11066
PRMJ145R *	145-174	7	11066
PRMJ161	161-193	7	10067
PRMJ189	189-227	7	11068
PRMJ189A	189-227	8	11068
PRMJ216	216-259	8	11069
PRMJ216A	216-259	7	11069
PRMJ243	243-292	6	
PRMJ270	270-324	8	11070
PRMJ270R *	270-324	8	11070
PRMJ300	300-360	8	

Packard Start Capacitors With Resistors



Features

- Most popular Start capacitor with resistors to use in Compressor applications.
- Includes 15,000 OHM resistor.
- Dry, electrolytic, non polarized capacitors for intermittent duty in AC motor starting circuits.
- Cans are made of moisture and oil resistant molded phenolic resin or plastic.
- Standard dual blade terminals.
- Operating temperature range: -40°C to 65°C (-40°F to 149°F)
- UL and cUL recognized
- Rated 3-second start
- 20 Starts per hour
- 50/60 Hertz



Item ID	MFD	Voltage	Can Size
Packard			
PSMJ270R	270-324	165	4
PRMJ88R	88-108	330	6
PTMJ145R	145-174	220-250	4
PTMJ161R	161-193	220-250	6
PTMJ189R	189-227	220-250	6
PTMJ88R	88-108	220-250	4
PRMJ216R	216-259	330	8

Packard Dry AC Motor Run Capacitors



Features

- Commonly used on motors in fans, pumps and blowers
- Constructed with Self-Healing Dielectric Metalized Polypropylene Film
- 1/4 inch blade quick connect terminals; Metal tab mounting bracket
- Operating temperature range: -40°C to 85°C (-40°F to 185°F)
- Capacitance tolerance: +/-5%
- Protected 10,000 AFC
- Available in 370 and 440 Volt
- 50/60 Hertz
- Plastic ABS case
- UL recognized
- RoHS compliant

Item ID	MFD	VAC	Hertz	Shape	Hight (In.)	Length (In.)	Width (In.)	Weight (Lbs)	Terminals	Temp. Range (C)	Construction	For Use With
Packard												
PDC2	2	370	50/60	Rectangle	1.80	0.79	1.50	0.05	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDC3	3	370	50/60	Rectangle	1.80	0.79	1.50	0.06	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDC4	4	370	50/60	Rectangle	2.00	0.94	2.00	0.06	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDC5	5	370	50/60	Rectangle	2.00	0.94	2.00	0.06	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDC7.5	7.5	370	50/60	Rectangle	2.20	1.10	1.92	0.09	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDC8	8	370	50/60	Rectangle	2.20	1.10	1.92	0.09	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDC10	10	370	50/60	Rectangle	2.44	1.25	2.36	0.10	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDC12.5	12.5	370	50/60	Rectangle	2.44	1.25	2.36	0.12	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDC15	15	370	50/60	Rectangle	2.44	1.25	2.36	0.13	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDCF2	2	440	50/60	Rectangle	1.80	0.79	1.50	0.05	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDCF3	3	440	50/60	Rectangle	1.80	0.79	1.50	0.06	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDCF4	4	440	50/60	Rectangle	2.00	0.94	2.00	0.06	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDCF5	5	440	50/60	Rectangle	2.00	0.94	2.00	0.06	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDCF7.5	7.5	440	50/60	Rectangle	2.20	1.10	1.92	0.09	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDCF8	8	440	50/60	Rectangle	2.20	1.10	1.92	0.09	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDCF10	10	440	50/60	Rectangle	2.44	1.25	2.36	0.11	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDCF12.5	12.5	440	50/60	Rectangle	2.44	1.25	2.36	0.12	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDCF15	15	440	50/60	Rectangle	2.44	1.25	2.36	0.14	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors

Two Wire Electro-mechanical Voltage Sensing Relay



Features

- Potential relay and start capacitor for compressor hard start applications
- More reliable than PTC type hard starts
- Two wire connection
- For use with Hermetic or Scroll compressors
- Quick connect terminals
- Bleed down resistor to safely discharge the capacitor



Item ID	Capacitor Size (μF)	Tons	Compressor	Pick-Up Voltage (VAC)	Maximum Coil Voltage (VAC)	Replaces
TorQstart						
TQS1	189-227	1.5 - 3	Recip and Scroll	239-268	502	TO-5 SK3W3
TQS2	270-324	3.5 - 5	Recip and Scroll	280-315	502	KS1 SK3W6S

Hard Start Kits And All In One Hard Start Packs



Standard Relay and Hard Start Capacitor



All Purpose Hard Start Pack



Features

- Increases compressor starting torque for faster recycling
- For all permanent split capacitor, single phase air conditioning and heat pump systems
- Wired with "Piggy-Back" terminals for easy installation on run capacitors
- Designed for 115 volt thru 277 volt systems
- Mounts easily with either screw or clip

Features

- Combination relay, overload and capacitor
- Pre-wired for easy installation
- Extra long compressor leads for mounting flexibility
- All models adapt to 115 volt compressors with external overload protector
- PTC for capillary or fixed restrictor systems

Item ID	Operating Voltage (VAC)	Recommended range (HP)	Increase in Torque (%)	Replaces
TorQstart				
TQS5	115-277	1/2 to 10	300%	32701 600-057 SPP5
TQS6	115-277	1/2 to 10	500%	32702 600-052 SPP6
TQS8	115-277	1/2 to 10	600%	32708 SPP7S

Item ID	Compressor Sizes	Volts	Replaces
TorQstart			
TQS21	1/2 HP	115	600-210 RCO210
TQS41	1/4 and 1/3 HP	115	600-410 RCO410
TQS81	1/12 thru 1/5 HP	115	600-810 RCO810

Lighting Capacitors: Oil-Filled And Dry AC Film For HID Lighting Applications



Oil-Filled AC Film

Applications

- High Intensity Discharge (HID) lighting applications
- Other high voltage ballast applications

Features - Oil-filled AC Film Capacitor

- Constructed with specially formulated metallized polypropylene film
- Designed to operate in the high temperature environments found in typical HID lighting fixtures
- Endsprayed with zinc
- Manufactured to EIA-456A
- ROHS compliant
- UL and CSA recognized
- Epoxidized Soybean Oil (ESO) filled
- Round and oval metal case
- Capacitance from 10 μ f to 35 μ f
- Voltage ranges from 330 VAC to 525 VAC
- Operating temperature to 90°C

Item ID	MFD	Volts	Hertz	Shape	Diameter (In.)	Height (In.)	Width (In.)	Depth (In.)
Packard Oil-Filled AC Film								
PLCR10400W	10	400	50/60	Round	1.75	2.38	—	—
PLCO24400W	24	400	50/60	Oval	—	3.13	2.75	1.75
PLCR24400W	24	400	50/60	Round	1.75	3.75	—	—
PLCO24480W	24	480	50/60	Oval	—	3.88	2.75	1.75
PLCO26525W	26	525	50/60	Oval	—	4.25	2.75	1.75
PLCO35330W	35	330	50/60	Oval	—	3.13	2.75	1.75



Dry AC Film

Applications

- High Intensity Discharge (HID) lighting applications
- Other high voltage ballast applications

Features - Dry AC Film Capacitor

- Constructed with specially formulated metallized polypropylene film
- Designed to operate in the high temperature environments found in typical HID lighting fixtures
- Endsprayed with zinc
- Manufactured to EIA-456A
- ROHS compliant
- UL and CSA recognized
- Filled with epoxy
- Round plastic case
- Capacitance from 7 μ f to 55 μ f
- Voltage ranges from 240 VAC to 400 VAC
- Operating temperature to 105°C
- 8 inch, 18 AWG standard copper wire leads with UL listed insulation rated for 150°C
- Made in USA

Item ID	MFD	Volts	Hertz	Shape	Diameter (In.)	Height (In.)	Width (In.)	Depth (In.)
Packard Dry AC Film								
PLCR7330D	7	330	50/60	Round	1.18	2.68	—	—
PLCR10300D	10	300	50/60	Round	1.58	2.68	—	—
PLCR10330D	10	330	50/60	Round	1.58	2.68	—	—
PLCR10400D	10	400	50/60	Round	1.58	3.62	—	—
PLCR15400D	15	400	50/60	Round	1.58	3.62	—	—
PLCR24400D	24	400	50/60	Round	1.77	4.61	—	—
PLCR55240D	55	240	50/60	Round	1.77	3.62	—	—

Maximum dependability in a “one for one” replacement for the Furnas DP contactor and many more.



New Design!

Scan to learn more

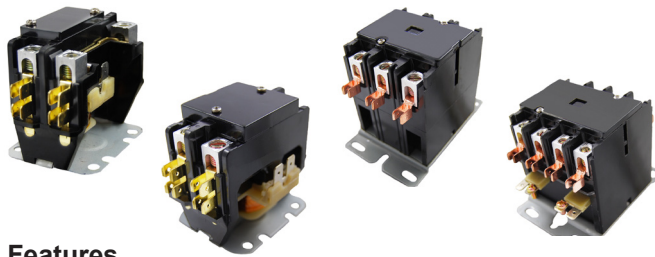


Features

- **MEETS THE ARI 780/790 STANDARD**
- Universal metal mounting plate allows for complete ease of replacement
- Long electrical life; tested to 250,000 cycles
- Reliable mechanical life; tested to 1,000,000 cycles
- EE magnet assembly assures optimal performance without sacrificing power consumption
- Superior copper coil
- Performance unaffected by mounting position
- Flexible termination options suitable for various applications
- Dust-free internal construction

Item ID	F/L Inductive Amps	Locked Rotor Amps 240/480/600	Resistive Amps	Coil Voltage	Industry No.	Furnas Replacement	Accepts Aux. Switch
Titan Max 1 Pole							
TMX125A2	25	150/125/100	35	24	61315	45DG10AJA	
TMX125B2	25	150/125/100	35	120	61316	45DG10AFA	
TMX125C2	25	150/125/100	35	208/240	61317	45DG10AGA	
TMX130A2	30	180/150/120	40	24	61320	45EG10AJA	45EG10AJAL
TMX130B2	30	180/150/120	40	120	61321	45EG10AFA	
TMX130C2	30	180/150/120	40	208/240	61322	45EG10AGA	
TMX140A2	40	240/200/160	50	24	61330	45GG10AJA	45GG10AJAL
TMX140B2	40	240/200/160	50	120	—	45GG10AFA	45GG10AFAL
TMX140C2	40	240/200/160	50	208/240	—	45GG10AGA	
Titan Max 2 Pole							
TMX225A2	25	150/125/100	35	24	61410	42AF15AJ	45DG20AJ
TMX225B2	25	150/125/100	35	120	61411	42AF15AF	45DG20AF
TMX225C2	25	150/125/100	35	208/240	61412	42AF15AG	45DG20AG
TMX230A2	30	180/150/120	40	24	61425	42BF15AJ	45EG20AJ 45EG20AJL
TMX230B2	30	180/150/120	40	120	61426	42BF15AF	45EG20AF 45EG20AFL
TMX230C2	30	180/150/120	40	208/240	61427	42BF15AG	45EG20AG 45EG20AGL
TMX240A2	40	240/200/160	50	24	61440	42CF15AJ	45GG20AJ 45GG20AJL
TMX240B2	40	240/200/160	50	120	61441	42CF15AF	45GG20AFL
TMX240C2	40	240/200/160	50	208/240	61442	42CF15AG	45GG20AG 45GG20AGL
Titan Max 3 Pole							
TMX330A2	30	180/150/120	40	24	61430	42BF35AJ	Yes
TMX330B2	30	180/150/120	40	120	61431	42BF35AF	Yes
TMX330C2	30	180/150/120	40	208/240	61432	42BF35AG	Yes
TMX340A2	40	240/200/160	50	24	61445	42CF35AJ	Yes
TMX340B2	40	240/200/160	50	120	61446	42CF35AF	Yes
TMX340C2	40	240/200/160	50	208/240	61447	42CF35AG	Yes
TMX350A2	50	300/250/200	65	24	61460	42DF35AJ	Yes
TMX350B2	50	300/250/200	65	120	61461	42DF35AF	Yes
TMX350C2	50	300/250/200	65	208/240	61462	42DF35AG	Yes
TMX360A2	60	360/300/240	75	24	61470	42EF35AJ	Yes
TMX360B2	60	360/300/240	75	120	61471	42EF35AF	Yes
TMX360C2	60	360/300/240	75	208/240	61472	42EF35AG	Yes
TMX375A2	75	450/375/300	90	24	61480	42FE35AJ106	
TMX375B2	75	450/375/300	90	120	61481	42FE35AF106	
TMX375C2	75	450/375/300	90	208/240	61482	42FE35AG106	
TMX390A2	90	540/450/360	120	24	61490	42GE35AJ106	
TMX390B2	90	540/450/360	120	120	61491	42GE35AF106	
TMX390C2	90	540/450/360	120	208/240	61492	42GE35AG106	

Definite Purpose Contactors



Features

Contactors meet UL508 specifications for devices up to 600 VAC.

- 50/60 Hertz •  US
- Coils have class B insulation
- Includes lugs, spade terminals and covers
- All single pole include shunt

Item ID	Poles	F/L Inductive Amps	Locked Rotor Amps 240.277/480/600	Resistive Amps	Coil Voltage
Packard 1 Pole					
C125A	1+	25	150/125/100	30	24
C125B	1+	25	150/125/100	30	120
C125C	1+	25	150/125/100	30	208/240
C130A	1+	30	180/150/120	40	24
C130B	1+	30	180/150/120	40	120
C130C	1+	30	180/150/120	40	208/240
C140A	1+	40	240/200/160	50	24
C140B	1+	40	240/200/160	50	120
C140C	1+	40	240/200/160	50	208/240
Packard 2 Pole					
C220A	2	20	120/100/80	30	24
C220B	2	20	120/100/80	30	120
C220C	2	20	120/100/80	30	208/240
C225A	2	25	150/125/100	35	24
C225B	2	25	150/125/100	35	120
C225C	2	25	150/125/100	35	208/240
C230A	2	30	180/150/120	40	24
C230B	2	30	180/150/120	40	120
C230C	2	30	180/150/120	40	208/240
C230D *	2	30	180/150/120	40	208/240
C230E	2	30	180/150/120	40	277
C240A	2	40	240/200/160	50	24
C240B	2	40	240/200/160	50	120
C240C	2	40	240/200/160	50	208/240
C240E	2	40	240/200/160	50	277

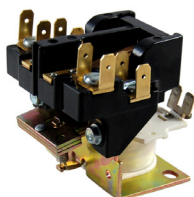
Item ID	Poles	F/L Inductive Amps	Locked Rotor Amps 240.277/480/600	Resistive Amps	Coil Voltage	Aux. Switch
Packard 3 Pole						
C325A	3	25	150/125/100	35	24	AC3
C325B	3	25	150/125/100	35	120	AC3
C325C	3	25	150/125/100	35	208/240	AC3
C330A	3	30	180/150/120	40	24	AC3, P6S, P7S
C330B	3	30	180/150/120	40	120	AC3, P6S, P7S
C330C	3	30	180/150/120	40	208/240	AC3, P6S, P7S
C330E	3	30	180/150/120	40	277	AC3, P6S, P7S
C330F	3	30	180/150/120	40	480	AC3, P6S, P7S
C340A	3	40	240/200/160	50	24	AC3, P6S, P7S
C340B	3	40	240/200/160	50	120	AC3, P6S, P7S
C340C	3	40	240/200/160	50	208/240	AC3, P6S, P7S
C340E	3	40	240/200/160	50	277	AC3, P6S, P7S
C340F	3	40	240/200/160	50	480	AC3, P6S, P7S
C350A	3	50	300/250/200	65	24	P8S, P38K
C350B	3	50	300/250/200	65	120	P8S, P38K
C350C	3	50	300/250/200	65	208/240	P8S, P38K
C350F	3	50	300/250/200	65	480	P8S, P38K
C360A	3	60	360/300/240	75	24	P8S, P38K
C360B	3	60	360/300/240	75	120	P8S, P38K
C360C	3	60	360/300/240	75	208/240	P8S, P38K
C360F	3	60	360/300/240	75	480	P8S, P38K
C375A	3	75	450/375/300	90	24	P9S
C375B	3	75	450/375/300	90	120	P9S
C375C	3	75	450/375/300	90	208/240	P9S
C390A	3	90	540/450/360	120	24	P9S
C390B	3	90	540/450/360	120	120	P9S
C390C	3	90	540/450/360	120	208/240	P9S
Packard 4 Pole						
C430A	4	30	180/150/120	40	24	AC3, P6S, P7S
C430B	4	30	180/150/120	40	120	AC3, P6S, P7S
C430C	4	30	180/150/120	40	208/240	AC3, P6S, P7S
C430F	4	30	180/150/120	40	480	AC3, P6S, P7S
C440A	4	40	240/200/160	50	24	AC3, P6S, P7S
C440B	4	40	240/200/160	50	120	AC3, P6S, P7S
C440C	4	40	240/200/160	50	208/240	AC3, P6S, P7S
C440F	4	40	240/200/160	50	480	AC3, P6S, P7S

Notes:

* Spade terminals and cover only.

Auxiliary Switches sold separately. See page 156

Magnetic Contactor



Item ID	C18001
Type	DPST N.O.
Resistive Amps	30
Full Load Amps	30
Locked Rotor Amps	120
Coil Voltage	24
Hertz	50/60
Max. Surrounding Air Temp.	40°C
Phase	Single
Replaces	
3ARR8E4	MC11
90-230	R850B1146
	18001

DP Contactor



Item ID	PR4013
F/L Inductive Amps	30
Poles	1
Resistive Amps	40
Coil Voltage	24
Replaces	
DP1030A5013	

NEW

Auxiliary Switches For TITAN MAX Contactors

Features

- For use on Titan Max 3 pole contactors.

TMX1NC
TMX1NO
TMX2NC
TMX2NO
TMX1NC/1NO



TMXSPDT1
TMXSPDT2
TMX2SPDT

Item ID	Type
TITAN MAX Auxiliary Contact Blocks with Quick Connect	
TMX1NC	1NC
TMX1NO	1NO
TMX2NC	2NC
TMX2NO	2NO
TMX1NC/1NO	1NC + 1NO
TITAN MAX Microswitch Blocks	
TMXSPDT1	SPDT at position 1
TMXSPDT2	SPDT at position 2
TMX2SPDT	2PCS SPDT

Auxiliary Switches For Packard Contactors



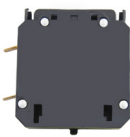
P6S



P7S

P8S
P9S

MI1



AC3

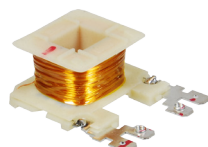


AC4

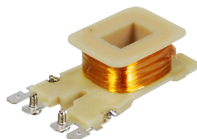
Item ID	Type	Amps
Packard		
P6S	SPDT	30-40
P7S	SPDT	30-40
P8S	SPDT	50-60
AC4	1 SPDT	50-60
P9S	SPDT	70-90
MI1	Mechanical Interlock	20-40
AC3	NO/NC	20-40
P38K	Includes P8S and AC3	

Replacement Coils For Packard Contactors

3 Pole Contactor Replacement Coils



Coil Voltage: 20-40



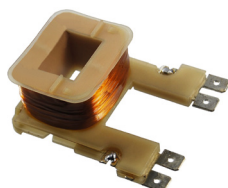
Coil Voltage: 50-60



Coil Voltage: 75-90

Item ID	Poles	Coil Voltage	Full Load Amps
Packard 3 Pole			
C32040A	3	24	20-40
C32040B	3	120	20-40
C32040C	3	208/240	20-40
C32040D	3	277	20-40
C32040E	3	480	20-40
C35060A	3	24	50-60
C35060B	3	120	50-60
C35060C	3	208/240	50-60
C35060D	3	277	50-60
C35060E	3	480	50-60
C37590B	3	120	75-90
C37590C	3	208/240	75-90

4 Pole Contactor Replacement Coils



Item ID	Poles	Coil Voltage	Full Load Amps
Packard 4 Pole			
C42040A	4	24	20-40
C42040B	4	120	20-40
C42040C	4	208/240	20-40
C42040D	4	277	20-40



Replacement Coils For TITAN MAX Contactors

3 Pole Contactor Replacement Coils

Full Load Amps:
20-40
50-60Full Load Amps:
75-90

Item ID	Poles	Coil Voltage	Full Load Amps
TITAN MAX 3 Pole			
TMXC32040A	3	24	20-40
TMXC32040B	3	120	20-40
TMXC32040C	3	208/240	20-40
TMXC35060A	3	24	50-60
TMXC35060B	3	120	50-60
TMXC35060C	3	208/240	50-60
TMXC37590B	3	120	75-90
TMXC37590C	3	208/240	75-90

Air Conditioning Disconnect Boxes



Item ID PDB30F

- 30 amp A/C disconnect box
- Outdoor enclosure
- Metal
- c  US
- Fused
- 240 VAC
- Single phase
- Flip top door
- Nema type 3R

Replaces

DDS-30	83316
MA-Line	Square D 755-30F
MA-FD30A	



Item ID PDB60F

- 60 amp A/C disconnect box
- Outdoor enclosure
- Metal
- c  US
- Fused
- 240 VAC
- Single phase
- Flip top door
- Nema type 3R

Replaces

DDS-60	83317
MA-Line	Square D 755-60F
MA-FD60A	



Item ID PDB60NF

- 60 amp A/C disconnect box
- Outdoor enclosure
- Metal
- c  US
- Non-fused
- 240 VAC
- Single phase
- Flip top door
- Nema type 3R

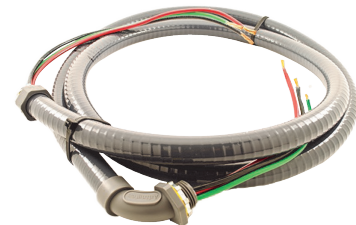
Replaces

DDS-60U	83315
MA-Line	Square D 755-60NF
MA-NFD60A	

Packard Whips

Applications

- Commonly used for connecting air conditioners, pumps, motors, compressors, swimming pool equipment and similar equipment



Features

- 600 volt; Intended for 208/240/480 volt single phase circuits
- 12" conductor leads with 1/2" insulation stripped
- Stranded copper THHN/THWN insulated singles; Green insulated copper grounding conductor
- Highly flexible non-metallic conduit with factory installed conductors
- Liquid tight flexible non-metallic conduit type B (LFNC-B) fittings for easy and hassle-free hook-ups
- Straight connector on one end and 90 degree connector on the other end
- Non-metallic raceway is non-conducting and resistant to rust, cracks, and separation
- Completely assembled delivered from the factory ready to install

For information on connections contact Packard Customer Service.

Item ID	Trade Size (In.)	Conduit Length (feet)	Wire Size # of Cond.	Amps
Packard				
PW1204	1/2	4	#10 GA	30
PW1206	1/2	6	#10 AWG	30
PW3484	3/4	4	#8 GA	40
PW3486	3/4	6	#8 AWG	40

Color Coding	
No. of conductors	Color sequence 120/208Y
2	black, red
Grounding Conductor	green

Packard Round Silicon Nitride Igniters

Features

- Round
- Made of durable silicon Nitride
- All igniters are cCSAus certified
- OEM direct replacements



Item ID IG1121N

- 5.5" Leads with connector
- Mounting bracket included
- 120 Volt

Replaces

Goodman B1401015
Modine 5H075032B



Item ID IG1401N

- Gasket included
- 5.5" Leads with connector
- 120 Volt

Replaces

Amana 10041601 Amana B1336102
Amana D99182 Starlite 11120-100-1401
Trianco-Heatermaker 2600-359



Item ID IG1402N

- 19" Leads with wire nuts
- 120 Volt

Replaces

Amana 10755002 Armstrong 38322B001
Clare C-238 / C-242 DMO 20834 / 26789
Dornback 271W Goodman B11726-06
Rheem 62-22441-01 Williamson 09050
Trane 340039P01, IGN23



Item ID IG1403N

- 5.5" Leads with wire nuts
- 120 Volt

Replaces

Amana B138196P01
Raypak 600915
Snyder General 1380654
Trane B138196P01 Trane IGN26
Trane IGN30 Weil McLain 511-330-193



Item ID IG1405N

- 5.5" Leads with wire nuts
- 120 Volt

Replaces

Heil Quaker 1001344
York 025-27766-00
York 025-27774-000
York 025-29043-000



Item ID IG1408N

- 5.5" Leads with connector
- 120 Volt

Replaces

Amana 340039P01 Lennox 98P78
Rheem 62-2241-01 Rheem 62-2268-92
Rheem 62-22868-93 Trane B340039P01
Trane IGN-0034 Starlite 11120-100-1408
Whirlpool 99794328



Item ID IG1409N

- 5.5" Leads with connector
- 120 Volt

Replaces

Carrier LH33ZS001 Carrier LH33ZS002
Carrier LH33ZS003 Carrier LH33ZS004
Ducane 20015201 Snyder General 1380672
Trane IGN26 Snyder General 1380680
Weil McLain 511-330-139



Item ID IG1410N

- 5.5" Leads with connector
- 120 Volt

Replaces

Amana B144676P01
Trane B144676P01



Item ID IG1411N

- Includes bracket & connector
- 120 Volt

Replaces

Norton 271N
Rheem 62-22868-82



Item ID IG1412N

- 5.5" Leads with connector
- 120 Volt

Replaces

Goodman B1401009
Heil Quaker 1009604
ICP 1009604
Norton 271NM



Item ID IG1414N

- 5.5" Leads with connector
- Includes brackets and wire nuts
- 120 Volts

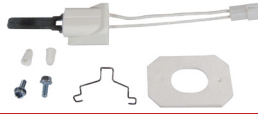
Replaces

Goodman B14010-15S
Norton 271NM
Norton MB457025
767A-384

Packard Silicon Carbide Igniters

Features

- Silicon Carbide Igniters
- All igniters are cCSAus certified
- OEM direct replacements



Item ID IG3033

- Used on many Trane package models beginning with YCD15, YCD17 and YCD18
- Includes igniter, gasket, clip, mounting screws and installation instructions
- 120 Volt

Replaces

Trane KIT03033



Item ID IG1121

- 5.5" Leads with connector
- Mounting bracket included
- 120 Volt

Replaces

Goodman B1401015
Modine 5H075032B



Item ID IG1401

- Gasket included
- 5.5" Leads with connector
- 120 Volt

Replaces

Amana 10041601
Amana B1336102
Amana D99182
Starlite 11120-100-1401
Trianco-Heatermaker 2600-359

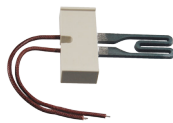


Item ID IG1402

- 19" Leads with wire nuts
- 120 Volt

Replaces

Amana 10755002 Armstrong 38322B001
Clare C-238 / C-242 DMO 20834 / 26789
Domback 271W Goodman B11726-06
Rheem 62-22441-01 Williamson 09050
Trane 340039P01, IGN23



Item ID IG1403

- 5.5" Leads with wire nuts
- 120 Volt

Replaces

Amana B138196P01
Raypak 600915
Snyder General 1380654
Trane B138196P01 Trane IGN26
Trane IGN30 Weil McLain 511-330-193



Item ID IG1404

- 5" Leads with connector
- 120 Volt

Replaces

Weil McLain MB478265
Norton 271M
Rheem 1096048
White Rodgers 767A382
Robertshaw 41-404



Item ID IG1405

- 5.5" Leads with wire nuts
- 120 Volt

Replaces

Heil Quaker 1001344
Heil Quaker 1148145
York 025-27766-00
York 025-27774-000
York 025-29043-000



Item ID IG1406

- Gasket included
- 11" Leads with wire nuts
- 120 Volt

Replaces

Glowcore HSRK-7
Lochinvar PLT2400
Spiral Igniter FY009
Weil McLain 511-330-188



Item ID IG1407

- 5.5" Leads with connector
- 120 Volt

Replaces

Trane B144676P02
Trane IGN30



Item ID IG1408

- 5.5" Leads with connector
- 120 Volt

Replaces

Amana 340039P01 Lennox 98P78
Rheem 62-2241-01 Rheem 62-22868-92
Rheem 62-2268-93 Trane B340039P01
Trane IGN-0034 Starlite 11120-100-1408
Whirlpool 99794328



Item ID IG1409

- 5.5" Leads with connector
- 120 Volt

Replaces

Carrier LH33ZS001 Carrier LH33ZS002
Carrier LH33ZS003 Carrier LH33ZS004
Ducane 20015201 Snyder General 1380672
Trane IGN26 Snyder General 1380680
Weil McLain 511-330-139



Item ID IG1410

- 5.5" Leads with connector
- 120 Volt

Replaces

Amana B144676P01
Trane B144676P01



Item ID IG1411

- Includes bracket & connector
- 120 Volt

Replaces

Norton 271N
Rheem 62-22868-82



Item ID IG1412

- 5.5" Leads with connector
- 120 Volt

Replaces

Goodman B1401009
Heil Quaker 1009604
ICP 1009604
Norton 271NM



Item ID IG1414

- 5.5" Leads with connector
- Includes brackets and wire nuts
- 120 Volt

Replaces

Goodman B14010-15S
Norton 271NM
Norton MB457025
767A-384

Packard Silicon Carbide Igniters

Features

- Silicon Carbide Igniters
- All igniters are cCSAus certified
- OEM direct replacements



NEW

Item ID IG2300

- 24" Leads with 1/4" quick connects
- Gasket included
- 120 Volt

Replaces

Laars RW2002300



NEW

Item ID IG0286

- 5.5" Leads with connector
- Gasket included
- 120 Volt

Replaces

Laars 2400-286



Item ID IG1114

- An exact replacement kit for Nordyne series G6 (and earlier models G3, G4, G5) and M2 furnaces.
- The kit includes complete installation instructions along with an adapter bracket and screws for G3RC, G4 (all), G5 (all), G3RA, G6 (all) and M2 (all) Nordyne furnaces.
- 120 Volts

Replaces

Nordyne 903758
Nordyne 632354

Nordyne 632363
Nordyne 903597

Universal And Specialty Silicon Nitride Hot Surface Igniter Kits

Features

- Silicon nitride has high fracture toughness and chemical resistance abilities and can be handled with the greasiest of hands
- For furnaces, boilers, pool and water heaters



Item ID IG0004N

- Silicone nitride igniter
- 120 Volt

Replaces

Carrier LH33ZS004



Item ID IG1090N

- 120 Volt • Universal flat glo-stix

Replaces

Norton 101M	Norton 201P	Norton 271NM
Norton 201D	Norton 201W	Norton 271P
Norton 201K	Norton 271	Norton 271R
Norton 201L	Norton 271D	Norton 271RS
Norton 201M	Norton 271M	Norton 271W
Norton 201N	Norton 271N	

Can also replace Gas dryer igniters.



Item ID IG0001

- Includes mini igniter, flat mounting plate, screw, instruction sheet and adapter harness; Manufactured using silicon nitride
- 120 Volt

Replaces

Goodman 023K00000S
Goodman B1401015S
Goodman B1401018S



Item ID IG9500

- 24 Volt • Silicon nitride design

Replaces

ICP 1009524	Honeywell Q3450
ICP 1149856	Honeywell Q3480
Honeywell Q3400A1016	Honeywell Q3620
Honeywell Q3400A1024	Igniters Direct
Honeywell Q3400A1040	"SMART LITE"



Item ID IG1000N

- 120 Volt • Universal round glo-stix

Replaces

Norton 201	Norton 201N	Norton 271M
Norton 201D	Norton 201R	Norton 271N
Norton 201J	Norton 201W	Norton 271NM
Norton 201K	Norton 201Y	Norton 271P
Norton 201L	Norton 271	Norton 271W
Norton 201M	Norton 271D	Norton 271Y

Honeywell Q3200U1000S



Item ID IG80V

- 80 Volt / 120 watts
- Direct universal replacement

Replaces

Amana 11111701	Trane IGN00104
Lennox 41K5601	Trane IGN0104
Thermo Products 768A-143	Trane IGN033
Trane B340970PO1	Trane IGN059
Trane IGN00117	CAR768A845
Trane IGN00033	CARIGN00117
Trane IGN00059	HS100117A

Flame Sensors

Features

- Flame sensors for Hot Surface Ignition (H.S.I.) systems
- Can be mounted remotely on multiple burners or adjacent to igniter on other applications
- For use with spark ignition and flame sensing
- High quality alumina ceramic insulator
- High temperature kanthal flame rod material that can withstand up to 1800°F



Item ID PFS013

- Teflon insulated (250°C rating) lead wire
- Used on these Bryant & Carrier models: 355MAV, 345MAV, 340MAV, 350MAV, 373LAV, 58MXA, 58MVP and 58MCA

Replaces

Carrier LH680013	Carrier Model:
Carrier LH33WZ514	355 MAV 345MAV
Carrier LH33WZ516	340MAV 350MAV



Item ID PFS014

- Teflon insulated (250°C rating) lead wire
- 45 Degree
- For use with Carrier LH33ZS004 igniter
- Used on these Bryant & Carrier models: 330AAV, 330JAV, 333BAV, 333JAV, 398AAV, 58DHC, 58DXC, 58PAV, 58SSC, 58SXC, 58TUA and 58WAV

Replaces

Carrier LH680014	Carrier LH 680012
Carrier LH33WZ511	Carrier LH33WZ515
6-62442-18179-4	



Item ID PFS301

- 90 Degree
- Length - mounting flange to sensor tip: 2 1/2"
- Length - sensor offset: 1 9/16"
- Angle - sensor offset: 90 degree
- Termination: 1/4" male quick connect
- Commonly found on the Following Models: UGDG VGDG UGDG VGDG UGDG VGDG UGDJ UGFD UGLG UGLH UGLJ UGLK UGLL UGLN UGLQ UGLR UGPH UGPJ UGPK UGPL UGPN UGPP UGPQ UGPR UGRA UGRB UGRJ UGRK UGRL UGRM UGSA UGTA UGTJ UGVG UGVH UGVJ 80LJ 80LS 80PJ 80PS 90RJ 90RS 90RT 90TJ 90TS RGFE RGLS RGPS URGRM RGRS RGRT RGTS SGPG SGPN

Replaces

Rheem 62-23543-01



Item ID PFS401

- Teflon insulated (250°C rating) lead wire
- Single screw, plated steel mounting bracket
- Single rod
- 30 Inch lead with a female connection
- Probe length 3 inch

Replaces

31380679



Item ID PFS802

- Single screw, plated steel mounting bracket
- Single rod
- 1/4 Inch male connection
- Probe length 3 inch

Replaces

ICP 1380687
York 025-27773-700

Ditek Surge Protector



PSP72KA Features

- Weatherproof enclosure
- Parallel connection for easy installation
- Diagnostic LED provides positive indication of power, ground presence, and surge protection
- Automatically resets to handle multiple surge events
- Typical Applications: A/C disconnect, small electrical panels, pool/well pumps
- Twice the response time as similar models



PSP38VDC Features

- PSP38VDC Features
- Voice, Data and Signaling circuit surge protection
- Adds no resistance to loop circuits
- #22-#16 AWG screw terminal connections
- For 30 volt service

Item ID	Service Wiring	Peak Surge Current	MCOV	UL 1449, 3rd Ed. V.P.R.	Short Circuit Current Rating	UL1449, 3rd Ed. In Rating	Replaces
Ditek Surge Protector							
NEW PSP38VDC	Screw Term	2,000 Amps/Pair	38VDC	UL497A & B	—	—	SYCST027B
PSP72KA	Split Φ (2W + G), 120/240VAC	72,000A/Phase 36,000A/Mode	130/260V	500V L-G, 900V L-L	10,000A	10,000A	SMC60 SMC150

Electric Heating Restring Coil Kits



General Purpose Restring Coil Kits

Features

- Restring kits are complete with terminal insulators, screws, washers and nuts.
- Tight coil wire with 11/32" maximum outer diameter.
- Packaged in a poly bag.

Item ID	Watts at 240 Volt	Watts at 208 Volt
Packard		
PH500	5000	3750
PH501	3500	2625
PH502	2000	1500
PH503	2500	1875
PH505	4500	3375
PH506	4000	3000
PH507	3000	2250
PH520	6600	4950

5/8" O.D. General Purpose Coil Kits

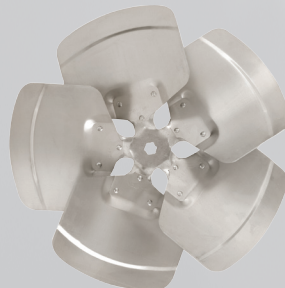
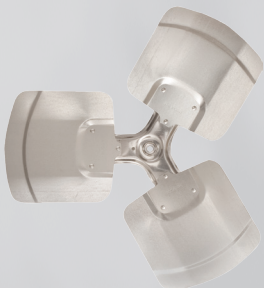
Features

Large open coil heaters for wall furnaces, duct heaters, electric furnaces, bathroom heaters and combination units.

- Coil is terminated with 1/4" spade terminal.
- Butt screws, bushings, nuts and instructions are included.

Item ID	Connector	Watts at 240 Volt	Watts at 208 Volt
Packard			
PH500FC	1/4" Spade	5000	3750
PH500FCB	Bolt	5000	3750
PH501FC	1/4" Spade	3500	2625
PH501FCB	Bolt	3500	2625

YOUR SEARCH IS OVER



Revcor fan blades and blower wheels are custom engineered for the OEM and are effortless to replace, no help needed for repairs. Not only do Revcor blades and blower wheels help maintain the proper balance between internal parts but also provide the optimum performance after replacement. Packard provides easy [cross reference](#) to use Revcor blades and blower wheels.





OEM Direct Replacements

OEM Brand	OEM Part number	Item ID
Revcor		
CARRIER	LA01EA025	R32213
CARRIER	LA01EA026	R21801
CARRIER	LA01EA037	R32205
CARRIER	LA01EA038 / LA01EA037	R32206
CARRIER	LA01EC018	R31821
CARRIER	LA01EW051	R31404
CARRIER	LA01RA004	R32603
CARRIER	LA01RA005	R32607
CARRIER	LA01RA006	R32610
CARRIER	LA01RA015	R31811
CARRIER	LA01RA027	R32202
CARRIER	LA01RA028B	R32208
CARRIER	LA01RA033	R32017
CARRIER	LA01RA038A	R32215
CARRIER	LA01RA220	R22001
CARRIER	LA01RA221	R22002
CARRIER	LA01RA222	R22401
CARRIER	LA01RA225	R22402
CARRIER	LA01RA312	R32402
CARRIER	LA01RA320	R32004
CARRIER	LA01RA321	R32008
CARRIER	LA01RA323	R32409
CARRIER	LA01RA324	R32406
CARRIER	LA01RA325	R32401
CARRIER	LA01RA326	R32602
CARRIER	LA01RA327	R32605
CARRIER	LA01RA329	R32606
CARRIER	LA01RA334	R32601
GOODMAN	10625738	R32604
GOODMAN	0150M00001P	R32009
GOODMAN	0150M00016	R32204

OEM Brand	OEM Part number	Item ID
Revcor		
GOODMAN	B1086756	R31815
GOODMAN	B1086764	R42201
GOODMAN	B1086765	R42209
GOODMAN	B1086770	R32201
GOODMAN	B1086771	R31816
GOODMAN	B1086773	R32209
GOODMAN	B1086775 / 0150M00006	R32216
LENNOX	100060-09 / 68J2801	R41812
LENNOX	100060-10	R42210
LENNOX	100060-13	R42204
LENNOX	37L4801	R31604
LENNOX/ALLIED AIR	68J2601 / 100060-07	R31807
LENNOX/ALLIED AIR	68J2701 / 100060-08	R41805
LENNOX/EXCEL	100060-18	R32204
LENNOX/EXCEL	20391102	R31817
LENNOX/EXCEL	100060-03	R31810
LENNOX/EXCEL	100060-19	R32212
NORDYNE	667303	R32406
NORDYNE	6672790	R32003
NORDYNE	667261C	R31801
NORDYNE	667262B	R31814
NORDYNE	667316A	R32403
NORDYNE	667319A	R22405
RHEEM	702185906	R22201
RHEEM	7010132314	R31781
RHEEM	7010132315	R21781
RHEEM	7010201106	R32010
RHEEM	7010201107	R22204
RHEEM	70-102011-04	R22406
TRANE	D154218P38 / D154218P37	R22701
TRANE	D154229P01	R31901
TRANE	D154229P02	R31902

Helpful Tip



The position of the fan blade is critical for proper system performance. When removing the old fan blade always measure its location in the orifice.

Learn more from the Packard Academy



KH/KC Fans



Applications

- Commercial air conditioning and ventilation
- Air handlers
- Cooling towers
- Large unit heaters
- Agricultural applications

Features

- 24 to 60 inch diameters
- Heavy-Gauge for added strength
- Steel spiders
- Rotation determined by viewing air-discharge side of fan
- Individually boxed
- 6 blade available
- Made in USA

Item ID	No. of Blades	Diameter (In.)	Pitch (°)	Rotation	Bore (In.)	Hub Location	Material	Max RPM	Industry No.
Revcor KH/KC Fans Hubless									
R42408	4	24	28	CW	—	Hubless	GALV	1140	40200
R42407	4	24	34	CW	—	Hubless	GALV	1140	40201
R42603	4	26	28	CW	—	Hubless	GALV	1140	40202
R42606	4	26	38	CW	—	Hubless	GALV	1140	40203
R42801	4	28	34	CW	5/8	Discharge	GALV	1140	40396
R43002	4	30	22	CW	—	Hubless	GALV	1140	40205
R43003	4	30	30	CW	5/8	Discharge	GALV	1140	40397
R43004	4	30	30	CW	—	Hubless	GALV	1140	40206
R43601	4	36	32	CW	—	Hubless	GALV	850	40208
R43602	4	36	34	CW	—	Hubless	GALV	850	40209
R43603	4	36	38	CW	—	Hubless	GALV	850	40211
R44201	4	42	30	CW	—	Hubless	GALV	850	40212
R44202	4	42	38	CW	—	Hubless	GALV	850	40213
R44801	4	48	38	CW	—	Hubless	GALV	700	40216

* Fan should be guarded before operating.

* Tighten cap screws securely before operating.

Swept Fans

Applications

- Commercial and residential condensers

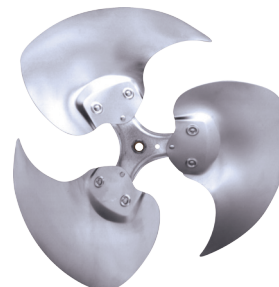
Features

- Carrier Replacement
- Up to 50% reduction in noise level
- Rotation is determined by viewing the discharge side of fan
- Made in USA

Additional models available upon request



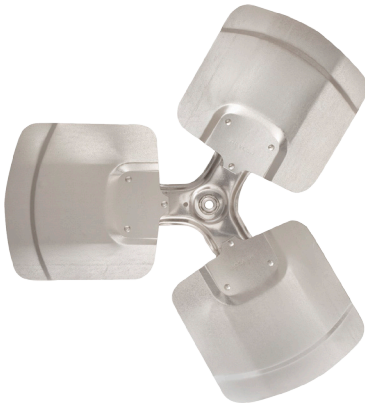
Item ID	No. of Blades	Diameter (In.)	Pitch (°)	Rotation	Bore (In.)	Hub Position
Revcor 2 Blade						
R22405	2	24	27	CW	1/2	Intake
R22701	2	27	28	CCW	1/2	Intake



Item ID	No. of Blades	Diameter (In.)	Pitch (°)	Rotation	Bore (In.)	Hub Position
Revcor 3 Blades						
R32017	3	20	34	CW	1/2	Intake
R32603	3	26	19	CW	1/2	Intake
R32607	3	26	24	CW	1/2	Intake
R32610	3	26	28	CW	1/2	Intake



Propellers With Fixed Hub - 3 Blades



Applications

- Unitary condensing units, heat pumps, unit heaters, ventilators and exhaust fans

Features

- 14 to 30 inch diameters
- Embossed for added strength
- Factory balanced with 1/2 and 5/8 inch bores
- Steel spiders
- Individually boxed
- Aluminum fan blades unless otherwise specified
- Made in USA

Additional blade options available upon request

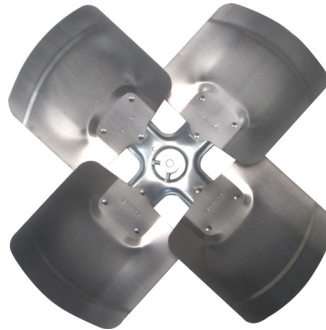
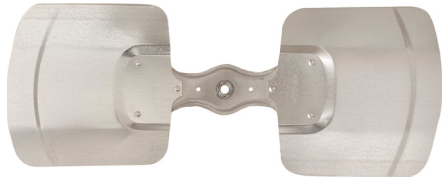
Item ID	No. of Blades	Diam. (In.)	Pitch (°)	Rotation	Bore (In.)	Hub Position	Cross Reference
Revcor 3 Blades							
R31403	3	14	32	CW	1/2	Discharge	40328
R31404*	3	14	38	CW	1/2	Intake	LA01EW051
R31602	3	16	28	CW	1/2	Intake	40331
R31603	3	16	30	CW	1/2	Intake	40332
R31604	3	16	32	CCW	1/2	Intake	37L4801
R31781*	3	17.8	34	CCW	1/2	Intake	7010132314
R31801*	3	18	19	CW	1/2	Intake	667261C
R31804	3	18	26	CW	1/2	Discharge	40338
R31805	3	18	26	CCW	1/2	Intake	40339
R31809	3	18	27	CW	1/2	Discharge	40340
R31807*	3	18	27	CCW	1/2	Intake	68J2601
R31810*	3	18	27	CCW	1/2	Intake	100060-03
R31811	3	18	27	CW	1/2	Intake	LA01RA015
R31814*	3	18	30	CW	1/2	Intake	667262B
R31815*	3	18	31	CCW	1/2	Intake	B1086756
R31816	3	18	32	CCW	1/2	Intake	B1086771
R31817	3	18	32	CW	1/2	Intake	20391102
R31820	3	18	33	CW	1/2	Discharge	40343
R31821	3	18	35	CW	1/2	Intake	LA01EC018
R31901	3	19	30	CCW	1/2	Intake	D154229P01
R31902	3	19	32	CCW	1/2	Intake	D154229P02
R32001	3	20	23	CW	1/2	Discharge	F20233
R32003*	3	20	26	CW	1/2	Intake	6672790
R32004	3	20	26	CW	1/2	Intake	LA01RA320
R32008	3	20	28	CW	1/2	Intake	LA01RA321
R32009*	3	20	28	CCW	1/2	Intake	0150M00001P
R32010*	3	20	29	CCW	1/2	Intake	7010201106
R32014	3	20	31	CW	1/2	Discharge	L6130630001
R32201	3	22	19	CCW	1/2	Intake	B1086770
R32202*	3	22	20	CW	1/2	Intake	LA01RA027
R32203	3	22	20	CW	1/2	Intake	L6129570001

*Note - Galvanized Fan Blades

Item ID	No. of Blades	Diam. (In.)	Pitch (°)	Rotation	Bore (In.)	Hub Position	Cross Reference
Revcor 3 Blades							
R32204	3	22	22	CCW	1/2	Intake	100060-18
R32207*	3	22	24	CW	1/2	Discharge	40352
R32205*	3	22	24	CW	1/2	Intake	L6130640001
R32206	3	22	24	CW	1/2	Intake	LA01EA038, 40353
R32208*	3	22	24	CW	1/2	Intake	LA01RA028B
R32209	3	22	24	CCW	1/2	Intake	B1086773
R32212	3	22	27	CW	1/2	Intake	100060-19
R32213	3	22	28	CW	1/2	Intake	LA01EA025
R32214	3	22	28	CW	1/2	Intake	40355
R32215*	3	22	28	CW	1/2	Intake	LA01RA038A
R32216	3	22	28	CCW	1/2	Intake	B1086775
R32221	3	22	33	CW	1/2	Intake	40356
R32401*	3	24	18	CW	1/2	Intake	LA01RA325
R32402*	3	24	19	CW	1/2	Intake	LA01RA312
R32403*	3	24	20	CW	1/2	Intake	667316A
R32404	3	24	22	CW	1/2	Intake	L6131430001
R32405	3	24	22	CCW	1/2	Intake	40323
R32406*	3	24	24	CW	1/2	Intake	LA01RA324
R32409*	3	24	26	CW	1/2	Intake	LA01RA323
R32410	3	24	30	CW	1/2	Intake	40359
R32601*	3	26	15	CW	1/2	Intake	LA01RA334
R32602	3	26	18	CW	1/2	Intake	LA01RA326
R32604	3	26	20	CCW	1/2	Intake	10625738
R32605*	3	26	21	CW	1/2	Intake	LA01RA327
R32606*	3	26	24	CW	1/2	Intake	LA01RA329
R32608	3	26	26	CW	1/2	Discharge	40362
R32609	3	26	27	CW	1/2	Intake	40363
R33001	3	30	30	CW	5/8	Discharge	

*Note - Galvanized Fan Blades

Propellers With Fixed Hub - 2, 4 And 5 Blades



Applications

- Unitary condensing units, heat pumps, unit heaters, ventilators and exhaust fans

Features

- 14 to 30 inch diameters
- Embossed for added strength
- Factory balanced
- Steel spiders
- Individually boxed
- Aluminum fan blades unless otherwise specified
- Made in USA

Additional blade options available upon request

Pitch Gauge



PG5099801

See page 230

Item ID	No. of Blades	DiA. (In.)	Pitch (°)	Rotation	Bore (In.)	Hub Position	Cross Ref.
Revcor 2 Blade							
R21402	2	14	36	CW	1/2	Discharge	L60743401
R21401	2	14	36	CCW	1/2	Intake	40301
R21781*	2	17.8	31	CCW	1/2	Intake	7010132315
R21801	2	18	20	CW	1/2	Intake	LA01EA026
R21802	2	18	24	CW	1/2	Intake	40305
R21803	2	18	29	CCW	1/2	Intake	40308
R21804	2	18	29	CW	1/2	Intake	40307
R21805	2	18	33	CCW	1/2	Intake	40408
R22001	2	20	20	CW	1/2	Intake	LA01RA220
R22002	2	20	24	CW	1/2	Intake	LA01RA221
R22003	2	20	29	CCW	1/2	Intake	40315
R22201*	2	22	22	CCW	1/2	Intake	40319
R22202	2	22	27	CCW	1/2	Intake	F22272
R22203*	2	22	29	CCW	1/2	Intake	40321
R22204*	2	22	35	CCW	1/2	Intake	7010201107
R22401*	2	24	16	CW	1/2	Intake	LA01RA222
R22402*	2	24	18	CW	1/2	Intake	LA01RA225
R22403	2	24	24	CCW	1/2	Intake	40324
R22404	2	24	27	CCW	1/2	Intake	
R22406*	2	24	31	CCW	1/2	Intake	70-102011-04

*Note - Galvanized Fan Blades

Item ID	No. of Blades	Diam. (In.)	Pitch (°)	Rotation	Bore (In.)	Hub Position	Cross Ref.
Revcor 4 Blade							
R41607	4	16	33	CW	1/2	Discharge	40372
R41805*	4	18	27	CCW	1/2	Intake	68J2701
R41808	4	18	30	CW	1/2	Intake	40375
R41811	4	18	33	CW	1/2	Discharge	40376
R41812	4	18	34	CCW	1/2	Intake	68J2801
R42009	4	20	33	CW	1/2	Intake	40378
R42010	4	20	36	CW	1/2	Intake	40379
R42201*	4	22	22	CCW	1/2	Intake	B1086764
R42205	4	22	24	CW	1/2	Discharge	40380
R42204	4	22	24	CCW	1/2	Intake	100060-13
R42206	4	22	26	CW	1/2	Intake	40381
R42209*	4	22	28	CCW	1/2	Intake	B1086765
R42210	4	22	32	CCW	1/2	Intake	100060-10
R42212	4	22	33	CCW	1/2	Intake	40382
R42404	4	24	27	CCW	1/2	Discharge	F24278
R42604	4	26	30	CW	5/8	Discharge	L6130720001
R43001	4	30	22	CW	5/8	Intake	40392
Revcor 5 Blade							
R51803	5	18	33	CW	1/2	Discharge	40404

*Note - Galvanized Fan Blades



Hubless Propellers



Applications

- Air conditioning condensing units, power roof ventilators, heat pumps, heat exchangers, unit heaters, commercial and industrial equipment

Features

- 10 to 26 inch diameter available
- Steel spiders
- Embossed for added strength
- For motor speeds up to 1625 RPM
- Use with interchangeable hubs
- Individually boxed
- Aluminum fan blades
- Made in USA

Additional blade options available upon request

Item ID	No. of Blades	Diameter (In.)	Pitch (°)	Rotation	Lau No.
Revcor 3 Blade					
R31201	3	12	19	CW	40061
R31202	3	12	27	CW	L6129790001
R31401	3	14	23	CW	L60716501
R31402	3	14	27	CW	L60716701
R31601	3	16	23	CW	
R31802	3	18	23	CCW	L60556001
R31803	3	18	23	CW	40041
R31806	3	18	27	CCW	40044
R31808	3	18	27	CW	40043
R31812	3	18	30	CCW	18307
R31813	3	18	30	CW	L60556301
R31818	3	18	33	CCW	40046
R31819	3	18	33	CW	40045
R32002	3	20	24	CW	L6129830001
R32005	3	20	27	CW	
R32006	3	20	28	CCW	L60556801
R32007	3	20	28	CW	40049
R32011	3	20	30	CW	40067
R32012	3	20	31	CCW	L60557001
R32013	3	20	31	CW	
R32015	3	20	33	CCW	40052
R32016	3	20	33	CW	40051
R32210	3	22	27	CCW	40054
R32211	3	22	27	CW	40053
R32217	3	22	30	CCW	40024
R32218	3	22	30	CW	40069
R32219	3	22	33	CCW	40056
R32220	3	22	33	CW	40055
R32407	3	24	26	CCW	40058
R32408	3	24	26	CW	40057
R32411	3	24	33	CW	

Hubs With Set Screws & Mtg Screws



Item ID	Bore (In.)	Set Screws
Packard		
H60765801	1/4	1
H60765802	5/16	1
H60765803	3/8	1
H60765804	1/2	2
H60765805	5/8	2
H60765806	3/4	2

Shafts

1018 Cold Rolled Steel Ground & Polished



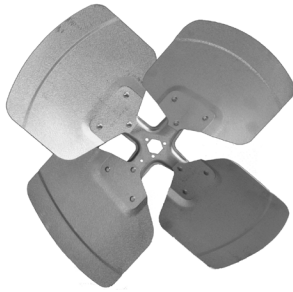
Item ID	Diameter (In.)	Length (In.)
Packard		
S38220501	5/8	20
S38209601	3/4	20
S38269301	3/4	35
S38209501	1	25
S38249201	1	35

Scan to view our training video on the difference between fan blades and blower wheels.





Hubless Propellers



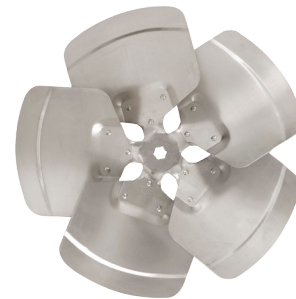
Applications

- Air conditioning condensing units, power roof ventilators, heat pumps, heat exchangers, unit heaters, commercial and industrial equipment

Features

- 10 to 26 inch diameter
- Steel spiders
- Embossed for added strength
- For motor speeds up to 1625 RPM
- Use with interchangeable hubs
- Individually boxed
- Aluminum fan blades
- Made in USA

Additional blade options available upon request



Item ID	No. of Blades	Diam. (In.)	Pitch (°)	Rotation	Lau No.
Revcor 4 Blade					
R41001	4	10	27	CW	L60717701
R41201	4	12	23	CCW	40077
R41202	4	12	23	CW	40076
R41203	4	12	27	CCW	40079
R41204	4	12	27	CW	40078
R41205	4	12	33	CW	40080
R41401	4	14	23	CCW	L60718801
R41403	4	14	23	CW	40082
R41405	4	14	27	CCW	40085
R41406	4	14	27	CW	40084
R41407	4	14	33	CW	40086
R41601	4	16	23	CCW	L60719401
R41602	4	16	23	CW	40088
R41603	4	16	27	CCW	40091
R41604	4	16	27	CW	40090
R41605	4	16	33	CCW	16338
R41606	4	16	33	CW	40092
R41801	4	18	19	CW	18194
R41802	4	18	23	CCW	40095
R41803	4	18	23	CW	L60800201
R41804	4	18	27	CCW	40097
R41806	4	18	27	CW	18274
R41807	4	18	30	CCW	L60558401
R41809	4	18	33	CCW	18338
R41810	4	18	33	CW	18334
R42001	4	20	23	CCW	L60800501
R42002	4	20	23	CW	L60800401
R42003	4	20	27	CCW	40103
R42004	4	20	27	CW	40102
R42005	4	20	29	CCW	L60559001
R42006	4	20	29	CW	L60558901
R42007	4	20	33	CCW	40105
R42008	4	20	33	CW	40104
R42202	4	22	23	CCW	40107
R42203	4	22	23	CW	40106
R42207	4	22	27	CCW	40109
R42208	4	22	27	CW	40108
R42211	4	22	33	CW	40110
R42213	4	22	35	CW	40139
R42401	4	24	23	CCW	40113
R42402	4	24	23	CW	40112
R42403	4	24	27	CCW	40115
R42405	4	24	27	CW	40114
R42406	4	24	33	CW	40116
R42601	4	26	24	CW	L60760701
R42602	4	26	27	CW	40118
R42605	4	26	33	CW	L60761101

Item ID	No. of Blades	Diameter (In.)	Pitch (°)	Rotation	Lau No.
Revcor 5 Blade					
R51601	5	16	27	CCW	40151
R51602	5	16	33	CW	40402
R51801	5	18	27	CCW	L60560601
R51802	5	18	27	CW	L60560501
R52201	5	22	33	CW	40164
R52401	5	24	27	CW	L60561701
R52402	5	24	33	CW	40168



Scan for Durability
Demonstration

3-Blade Propellers Heavy Duty Condenser Style



Applications

- Air conditioning condensing units
- Power roof ventilators
- Heat pumps
- Heat exchangers
- Roof top air conditioners
- Commercial and industrial equipment
- Unit heaters
- Agricultural ventilating equipment
- Walk-in refrigeration units
- General cooling/heating applications

Features

- 3-blade configuration is normally used in low pressure applications.
- Square pressure-type blades are required for most condenser applications.
- High quality aluminum blades.
- Interchangeable hubs available from 1/4" through 3/4" bore, may be attached on either intake or discharge side.
- Pitches available for most common horsepower and motor speeds up to 1725 RPM in both CW and CCW rotations.

Item ID	Diameter (In.)	Pitch (°)	Rotation	Bore (In.)	Hub Position	Pack
Lau 3 Blades Heavy Duty Condenser Style						
L60716101	12	19	CW		Interchangeable	2
L60716201	12	19	CCW		Interchangeable	2
L60716301	12	23	CW		Interchangeable	2
L60716401	12	23	CCW		Interchangeable	2
L60716501	14	23	CW		Interchangeable	2
L60716601	14	23	CCW		Interchangeable	2
L60716701	14	27	CW		Interchangeable	2
L60716801	14	27	CCW		Interchangeable	2
L60716901	16	19	CW		Interchangeable	2
L60717001	16	19	CCW		Interchangeable	2
L60717101	16	23	CW		Interchangeable	2
L60717201	16	23	CCW		Interchangeable	2
L6129800001	16	27	CCW		Interchangeable	2
L60556001	18	23	CCW		Interchangeable	2
L6130610001	18	26	CW	1/2	Discharge	2
L60556101	18	27	CW		Interchangeable	2
L60556201	18	27	CCW		Interchangeable	2
L60556301	18	33	CW		Interchangeable	2
L60556401	18	30	CCW		Interchangeable	2
L60556501	18	33	CW		Interchangeable	2
L60556601	18	33	CCW		Interchangeable	2
L6130620001	18	35	CCW	1/2	Intake	2
L6129820001	20	24	CCW		Interchangeable	2
L60999001	20	25	CCW	1/2	Intake	2
L60556701	20	27	CW		Interchangeable	2
L60556801	20	27	CCW		Interchangeable	2
L60556901	20	30	CW		Interchangeable	2
L60557001	20	30	CCW		Interchangeable	2
L6130630001	20	31	CW	1/2	Discharge	2
L60557101	20	33	CW		Interchangeable	2
L60557201	20	33	CCW		Interchangeable	2
L6130640001	22	24	CW	1/2	Intake	2
L60557301	22	27	CW		Interchangeable	2
L60557401	22	27	CCW		Interchangeable	2
L6130650001	22	28	CW	1/2	Intake	2
L60557501	22	33	CW		Interchangeable	2
L60557601	22	33	CCW		Interchangeable	2
L6131430001	24	22	CW	1/2	Intake	2
L60557701	24	27	CW		Interchangeable	2
L60557801	24	27	CCW		Interchangeable	2
L60557901	24	33	CW		Interchangeable	2
L60558001	24	33	CCW		Interchangeable	2
L6129910001	26	33	CW		Interchangeable	1
L6130660001	26	37	CW	1/2	Intake	1
L6129930001	30	27	CW		Interchangeable	1

4-Blade Propellers Heavy Duty Condenser Style



Applications

- Condensing units, general building and agricultural ventilation fans

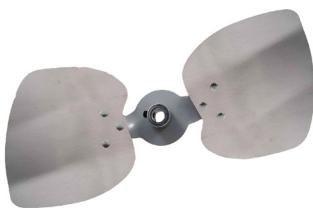
Features

- High strength aluminum blades with corrosion resistant center spiders

Item ID	Diameter (In.)	Pitch (°)	Rotation	Bore (In.)	Hub Position	Pack
Lau 4 Blades Heavy Duty Condenser Style						
L60717301	10	19	CW	Interchangeable		2
L60717401	10	19	CCW	Interchangeable		2
L60717501	10	23	CW	Interchangeable		2
L60717601	10	23	CCW	Interchangeable		2
L60717701	10	27	CW	Interchangeable		2
L60717801	10	27	CCW	Interchangeable		2
L60759901	10	33	CW	Interchangeable		2
L60760001	10	33	CCW	Interchangeable		2
L60717901	12	19	CW	Interchangeable		2
L60718001	12	19	CCW	Interchangeable		2
L60718101	12	23	CW	Interchangeable		2
L60718201	12	23	CCW	Interchangeable		2
L60718301	12	27	CW	Interchangeable		2
L60718401	12	27	CCW	Interchangeable		2
L60760101	12	33	CW	Interchangeable		2
L60760201	12	33	CCW	Interchangeable		2
L6130000001	14	16	CCW	Interchangeable		2
L60718501	14	19	CW	Interchangeable		2
L60718601	14	19	CCW	Interchangeable		2
L60718701	14	23	CW	Interchangeable		2
L60718801	14	23	CCW	Interchangeable		2
L60718901	14	27	CW	Interchangeable		2
L60719001	14	27	CCW	Interchangeable		2
L60760301	14	33	CW	Interchangeable		2
L60760401	14	33	CCW	Interchangeable		2
L60719101	16	19	CW	Interchangeable		2
L60719201	16	19	CCW	Interchangeable		2
L60719401	16	23	CCW	Interchangeable		2
L60719501	16	27	CW	Interchangeable		2
L60719601	16	27	CCW	Interchangeable		2
L60760501	16	33	CW	Interchangeable		2
L60760601	16	33	CCW	Interchangeable		2
L60800201	18	23	CW	Interchangeable		2
L60800301	18	23	CCW	Interchangeable		2
L60558101	18	27	CW	Interchangeable		2
L60558201	18	27	CCW	Interchangeable		2
L60558301	18	30	CW	Interchangeable		2

Item ID	Diameter (In.)	Pitch (°)	Rotation	Bore (In.)	Hub Position	Pack
Lau 4 Blades Heavy Duty Condenser Style						
L60558401	18	30	CCW	Interchangeable		2
L60558501	18	33	CW	Interchangeable		2
L60558601	18	33	CCW	Interchangeable		2
L60800401	20	23	CW	Interchangeable		2
L60800501	20	23	CCW	Interchangeable		2
L60558701	20	27	CW	Interchangeable		2
L60558801	20	27	CCW	Interchangeable		2
L60558901	20	30	CW	Interchangeable		2
L60559001	20	30	CCW	Interchangeable		2
L60559101	20	33	CW	Interchangeable		2
L60559201	20	33	CCW	Interchangeable		2
L60804101	22	23	CW	Interchangeable		2
L60804201	22	23	CCW	Interchangeable		2
L60559301	22	27	CW	Interchangeable		2
L60559401	22	27	CCW	Interchangeable		2
L60841201	22	30	CW	1/2 Discharge		2
L60559501	22	33	CW	Interchangeable		2
L60559601	22	33	CCW	Interchangeable		2
L6130190001	24	18	CW	Interchangeable		2
L60804301	24	23	CW	Interchangeable		2
L60804401	24	23	CCW	Interchangeable		2
L60841701	24	23	CCW	1/2 Intake		2
L60559701	24	27	CW	Interchangeable		2
L60559801	24	27	CCW	Interchangeable		2
L60559901	24	33	CW	Interchangeable		2
L60560001	24	33	CCW	Interchangeable		2
L60760701	26	24	CW	Interchangeable		1
L60760801	26	24	CCW	Interchangeable		1
L60760901	26	27	CW	Interchangeable		1
L60761001	26	27	CCW	Interchangeable		1
L60997201	26	32	CW	5/8 Discharge		1
L60761101	26	33	CW	Interchangeable		1
L60761201	26	33	CCW	Interchangeable		1
L61017601	28	25	CW	5/8 Discharge		1
L6131250001	30	27	CW	Interchangeable		1
L6127290001	30	30	CW	5/8 Discharge		1
L6131260001	30	33	CCW	Interchangeable		1
L6131270001	30	33	CW	Interchangeable		1

2-Blade Propellers OEM Style With Fixed Hub



Applications

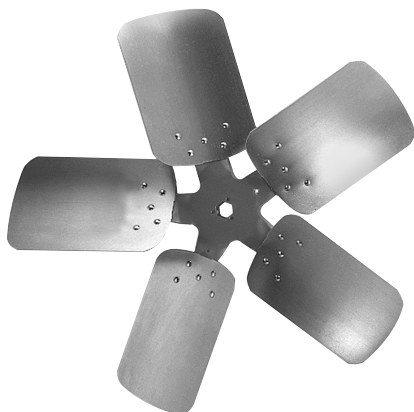
- For lower static pressure condensing units.
- Replacements for G.E., Rheem-Rudd, Singer-Climate Control, Trane, etc.

Features

- 14 to 24 inch diameter
- High strength aluminum blades
- Each blade clearly labeled as to Pitch, Diameter, Rotation, and Maximum RPM
- Top quality, epoxy painted spiders with high salt spray characteristics
- Steel fixed hub - 1/2" bore - exact propellers as supplied to OEMs

Item ID	Diameter (In.)	Pitch (°)	Rotation	Bore (In.)	Hub Position	Pack
Lau 2 Blades OEM-Style with Fixed Hub						
L6130470001	14	32	CW	1/2	Discharge	2
L6130500001	18	24	CW	1/2	Intake	2
L60772501	18	28	CCW	1/2	Intake	2
L6130510001	18	29	CW	1/2	Intake	2
L60652101	18	32	CCW	1/2	Intake	2
L6130520001	18	36	CW	1/2	Intake	2
L60772601	20	28	CCW	1/2	Intake	2
L6130560001	20	28	CW	1/2	Intake	2
L60772701	22	16	CCW	1/2	Intake	2
L60814201	22	27	CCW	1/2	Intake	2
L6130570001	24	19	CCW	1/2	Intake	2
L61040201	24	22	CCW	1/2	Intake	2
L6130580001	24	24	CCW	1/2	Intake	2
L60772801	24	27	CCW	1/2	Intake	2

5-Blade Propellers Heavy Duty Condenser Style



Applications

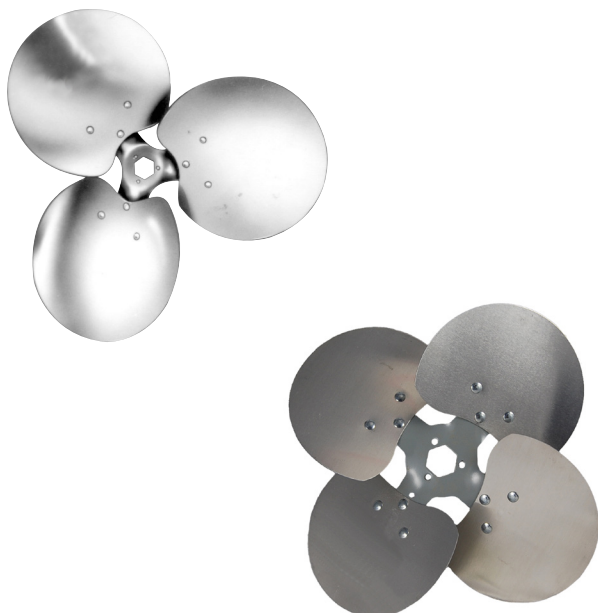
- Industrial air circulators, exhaust fan units and large condensing units

Features

- High quality aluminum blades with corrosion resistant center spiders

Item ID	Diameter (In.)	Pitch (°)	Rotation	Hub Position	Pack
Lau 5 Blades Heavy Duty Condenser Style					
L60720101	10	27	CW	Interchangeable	2
L60720201	10	27	CCW	Interchangeable	2
L60720401	12	19	CW	Interchangeable	2
L60720501	12	23	CW	Interchangeable	2
L60720601	12	23	CCW	Interchangeable	2
L60720701	12	27	CW	Interchangeable	2
L60720801	12	27	CCW	Interchangeable	2
L60721101	14	23	CW	Interchangeable	2
L60721201	14	23	CCW	Interchangeable	2
L60721301	14	27	CW	Interchangeable	2
L60721401	14	27	CCW	Interchangeable	2
L60560101	16	27	CW	Interchangeable	2
L60560201	16	27	CCW	Interchangeable	2
L60560301	16	33	CW	Interchangeable	2
L60560401	16	33	CCW	Interchangeable	2
L60560501	18	27	CW	Interchangeable	2
L60560601	18	27	CCW	Interchangeable	2
L60560901	20	27	CW	Interchangeable	2
L60561001	20	27	CCW	Interchangeable	2
L60561101	20	33	CW	Interchangeable	2
L60561201	20	33	CCW	Interchangeable	2
L60561301	22	27	CW	Interchangeable	2
L60561401	22	27	CCW	Interchangeable	2
L60561501	22	33	CW	Interchangeable	2
L60561601	22	33	CCW	Interchangeable	2
L60561701	24	27	CW	Interchangeable	2
L60561801	24	27	CCW	Interchangeable	2
L60561901	24	33	CW	Interchangeable	2
L60562001	24	33	CCW	Interchangeable	2
L60761301	26	27	CW	Interchangeable	1
L60761401	26	27	CCW	Interchangeable	1
L60761501	26	33	CW	Interchangeable	1
L60761601	26	33	CCW	Interchangeable	1
L6130420001	30	29	CCW	Interchangeable	1

3-Blade And 4-Blade Propellers Free Air Style



Applications

- Pedestal and window fans, air circulators

Features

- Designed for free air, low pressure applications
- High quality, rounded aluminum blades for maximum free air delivery with minimum noise levels
- Pitches available for most common HP and motor speeds
- Hubs attached on either the intake or discharge side

Item ID	Diameter (In.)	Pitch (°)	Rotation	Hub Position	Pack
Lau 3 Blades Free Air Style					
L60265201	10	27	CW	Interchangeable	2
L60265301	10	27	CCW	Interchangeable	2
L60265401	12	23	CW	Interchangeable	2
L60265501	12	23	CCW	Interchangeable	2
L60265801	14	23	CW	Interchangeable	2
L60265901	14	23	CCW	Interchangeable	2
L60266201	16	23	CW	Interchangeable	2
L60266301	16	23	CCW	Interchangeable	2
L60555901	18	23	CW	Interchangeable	2
L60556001	18	23	CCW	Interchangeable	2
L60267001	20	23	CW	Interchangeable	2
L60267101	20	23	CCW	Interchangeable	2
L60267601	24	18	CW	Interchangeable	2

Item ID	Diameter (In.)	Pitch (°)	Rotation	Hub Position	Pack
Lau 4 Blades Free Air Style					
L60269301	10	23	CW	Interchangeable	2
L60269401	10	23	CCW	Interchangeable	2
L60262201	12	23	CW	Interchangeable	2
L60262301	12	23	CCW	Interchangeable	2
L60262801	14	27	CW	Interchangeable	2
L60262901	14	27	CCW	Interchangeable	2
L60555301	18	23	CW	Interchangeable	2
L60555401	18	23	CCW	Interchangeable	2
L60555501	18	27	CW	Interchangeable	2
L60555601	18	27	CCW	Interchangeable	2
L60263801	20	23	CW	Interchangeable	2
L60263901	20	23	CCW	Interchangeable	2
L60264001	20	27	CW	Interchangeable	2
L60264101	20	27	CCW	Interchangeable	2
L60285301	20	33	CW	Interchangeable	2
L60285401	20	33	CCW	Interchangeable	2
L60562101	24	18	CW	Interchangeable	2
L60562201	24	18	CCW	Interchangeable	2
L60562301	24	23	CW	Interchangeable	2
L60562401	24	23	CCW	Interchangeable	2
L60562501	24	27	CW	Interchangeable	2
L60562601	24	27	CCW	Interchangeable	2

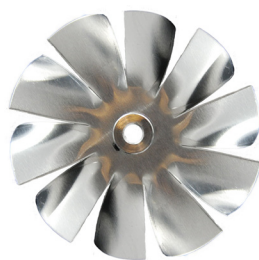
Small Aluminum Fan Blades With Hubs



4 Blades



5 Blades



10 Blades



A61003



FB99100

Item ID	Diameter (In.)	Blades	Hub Location	Bore	Pitch (°)	Rotation
Packard						
A61948	2	10	Intake	3/16	12	CW
A61949	2 1/2	10	Intake	3/16	20	CW
A61950	3	10	Intake	3/16	24	CW
A61954	3	10	Intake	1/4	30	CW
A61951	3 1/2	10	Intake	3/16	27	CW
A61955	3 1/2	10	Intake	1/4	40	CW
A61952	4	10	Intake	3/16	28	CW
A61003	3 1/4	12	Intake	5/16	28	CW
A61956	4	10	Intake	1/4	30	CW
A61465	4 1/2	10	Intake	3/16	30	CW
A61467	5	10	Intake	3/16	35	CW
A61468	5	10	Intake	1/4	40	CW
A61473	5 1/2	4	Intake	1/4	19	CW
A61474	5 1/2	4	Intake	3/16	19	CW
A61476	5 1/2	4	Intake	3/16	19	CCW
A64550	5 1/2	4	Intake	3/16	19	CW
A64455	5 1/2	4	Intake	3/16	24	CCW
A65503	5 1/2	5	Intake	5/16	27	CW
A65504	5 1/2	5	Intake	1/4	27	CW
A65513	5 1/2	5	Intake	5/16	27	CCW
A65515	5 1/2	5	Intake	1/4	27	CCW
A61469	6	4	Intake	3/16	19	CW
A61470	6	4	Intake	1/4	19	CW
A65125	6	4	Intake	1/4	19	CW
A60604	6	5	Intake	1/4	27	CW
A60614	6	5	Intake	1/4	27	CCW
A65632	6	5	Intake	5/16	27	CW
A65633	6	5	Intake	5/16	27	CCW
A65131	6	5	Intake	5/16	30	CW
A65225	6	5	Discharge	1/4	30	CCW
A65231	6	5	Discharge	5/16	30	CCW
A61471	6 1/2	4	Intake	3/16	19	CW
A61472	6 1/2	4	Intake	1/4	19	CW
A64650	6 1/2	4	Intake	1/4	19	CW
A66504	6 1/2	5	Intake	1/4	27	CW
A63473	7	5	Intake	1/4	21	CW
A60704	7	5	Intake	1/4	27	CW
A60714	7	5	Intake	1/4	27	CCW
A65732	7	5	Intake	5/16	27	CW
A75131	7	5	Intake	5/16	40	CW
A75225	7	5	Discharge	1/4	40	CCW
A75231	7	5	Discharge	5/16	40	CCW

Item ID	Diameter (In.)	Blades	Hub Location	Bore	Pitch (°)	Rotation
Packard						
A63475	8	5	Intake	1/4	23	CW
A63841	8	5	Discharge	1/4	24	CW
A65825	8	5	Intake	1/4	27	CW
A65826	8	5	Intake	1/4	27	CCW
A65832	8	5	Intake	5/16	27	CW
A65833	8	5	Intake	5/16	27	CCW
A85131	8	5	Intake	5/16	30	CW
A60804	8	5	Intake	1/4	36	CW
A60805	8	5	Intake	5/16	36	CW
A60814	8	5	Intake	1/4	36	CCW
A60815	8	5	Intake	5/16	36	CCW
A85225	8	5	Discharge	1/4	40	CCW
A85231	8	5	Discharge	5/16	40	CCW
A63477	9	5	Intake	1/4	25	CW
A65925	9	5	Intake	1/4	26	CW
A65926	9	5	Intake	1/4	26	CCW
A65932	9	5	Intake	5/16	26	CW
A65933	9	5	Intake	5/16	26	CCW
A95131	9	5	Intake	5/16	30	CW
A95225	9	5	Discharge	1/4	30	CCW
A95231	9	5	Discharge	5/16	30	CCW
A65105	10	5	Intake	1/4	20	CCW
A65104	10	5	Intake	1/4	20	CW
A65133	10	5	Intake	5/16	20	CCW
A65132	10	5	Intake	5/16	20	CW
A63479	10	5	Intake	1/4	28	CW
A15225	10	5	Discharge	1/4	30	CCW
A61322	10	5	Intake	5/16	30	CCW
A61323	10	5	Discharge	5/16	30	CCW
A61312	10	5	Intake	5/16	30	CW
A61015	10	5	Intake	5/16	40	CCW
A61005	10	5	Intake	5/16	40	CW
A65123	12	5	Discharge	5/16	23	CW
A61215	12	5	Intake	5/16	24	CCW
A61216	12	5	Discharge	5/16	24	CCW
A61205	12	5	Intake	5/16	24	CW
FB99100	12	5	Discharge	1/2	33	CW
A61405	14	5	Intake	5/16	19	CW
A65145	14	5	Intake	1/2	32	CW

Small Aluminum Fan Blades - Hubless



5 Blades



6 Blades

Item ID	Diameter (In.)	Blades	Pitch (°)	Rotation
Packard				
A61101	6	5	21	CW
A61102	6	5	21	CCW
A63607	6	5	30	CW
A63617	6	5	30	CCW
A61608	6 3/4	5	21	CW
A61618	6 3/4	5	21	CCW
A67513	6 3/4	5	30	CW
A67523	6 3/4	5	30	CCW
A63474	7	5	21	CW
A61103	7	5	25	CW
A61104	7	5	25	CCW
A63707	7	5	31	CW
A63717	7	5	31	CCW
A75221	7	5	40	CCW
A63100	7 3/4	5	22	CW
A65751	7 3/4	5	22	CCW
A77551	7 3/4	5	40	CW
A77552	7 3/4	5	40	CCW
A63806	8	5	22	CW
A63816	8	5	22	CCW
A63476	8	5	30	CW
A63807	8	5	30	CW
A63817	8	5	30	CCW
A61831	8	5	31	CW
A61835	8	5	35	CW
A61837	8	5	37	CCW
A85223	8	5	40	CCW
A61807	8 3/4	5	30	CW
A61817	8 3/4	5	30	CCW
A87513	8 3/4	5	30	CW
A87523	8 3/4	5	30	CCW
A63906	9	5	25	CW
A63916	9	5	25	CCW
A63917	9	5	30	CCW
A63907	9	5	31	CW
A63116	10	5	25	CCW
A63126	10	5	25	CW
A61480	10	5	28	CW
A61108	10	5	30	CW
A61481	10	5	30	CCW
A63117	10	5	30	CCW
A85150	8	6	50	CW
A85250	8	6	50	CCW

Plastic Fan Blades



Item ID	Diameter (In.)	Number of Blades	Rotation	Bore (In.)	Replaces Notes
Packard					
A61299	2 1/2	4	CW	3/16	
A61300	3	4	CW	1/8	
A61301	3	4	CW	3/16	
A61302	3 1/2	4	CCW	3/16	
A61353	4	4	CCW	Hub	
A61406	4	4	CW	1/8	
A61408	4	4	CW	3/16	
A61550	5 1/2	4	CCW	3/16	
A61551	5 1/2	4	CW	3/16	
A61602	6	4	CW	1/4	
A61603	6	4	CW	5/16	
A61604	6	4	CCW	3/16	
A61605	6	4	CCW	1/4	
A61606	6	4	CCW	5/16	
A61401	4	5	CW	1/8	
A61402	4	5	CW	3/16	
A61403	4	5	CCW	1/8	
A61404	4	5	CCW	3/16	
A61501	5	5	CW	3/16	
A61502	5	5	CW	1/4	
A61503	5	5	CW	5/16	
A61504	5	5	CCW	3/16	
A61505	5	5	CCW	1/4	
A61506	5	5	CCW	5/16	
A61455	5 9/16	5	CCW	3/16	
A61650	6 1/2	5	CW	3/16	
A61651	6 1/2	5	CW	1/4	
A61652	6 1/2	5	CW	5/16	
A61660	6 5/8	5	CW	7/32	D-STYLE BORE
A61665	6 5/8	5	CW	7/32	D-STYLE BORE
A61701	7	5	CW	1/4	
A61703	7	5	CCW	1/4	
A61718	7	5	CW	Hub	Gemline FB718
A61801	8	5	CW	1/4	
A61802	8	5	CW	5/16	
A61601	6	6	CW	3/16	

*Note - Additional blades available upon request.



Universal Single Inlet Blower Wheels



Strip Wheels



Tab Lock

Applications

- Draft inducers, power venting, small appliances, heating, ventilation, air conditioning, convectors, appliances, kitchen and bath exhaust

Features

- 5 1/4" to 12 5/8" diameters
- Embossed backs for added strength
- Factory balanced
- Individually boxed
- Made in USA
- Additional blower wheels available upon request

Item ID	Dia. (In.)	Width (In.)	Rotation	Bore (In.)	Max RPM	Material	Hub Location	Lock Type	Replaces
Revcor									
RBW30100	3	1	CW	5/16	7500	Aluminum	Inside	Strip Wheels	
RBW30101	3	1 7/8	CW	5/16	5000	Alum. Steel	Inside	Strip Wheels	
RBW30102	3	1 7/8	CCW	5/16	5000	Alum. Steel	Inside	Strip Wheels	
RBW30103	3 13/16	1 1/8	CCW	1/4	5800	Alum. Steel	Inside	Tab Lock	
RBW30104	3 13/16	1 1/4	CW	1/2	8350	Galvanized	Inside	Tab Lock	
RBW30105	3 13/16	1 1/4	CCW	1/2	8350	Galvanized	Inside	Tab Lock	
RBW30106	3 13/16	1 1/2	CW	5/16	8350	Alum. Steel	Inside	Strip Wheels	
RBW30107	3 13/16	1 1/2	CCW	5/16	8350	Alum. Steel	Inside	Strip Wheels	
RBW30109	3 13/16	1 7/8	CW	5/16	5000	Galvanized	Inside	Strip Wheels	40556
RBW30110	3 13/16	1 7/8	CCW	5/16	5000	Galvanized	Inside	Strip Wheels	40557
RBW30111	3 13/16	2 1/16	CW	5/16	5000	Galvanized	Inside	Strip Wheels	
RBW30112	3 13/16	2 1/16	CCW	5/16	5000	Galvanized	Inside	Strip Wheels	
RBW30108	3 13/16	1 5/8	CCW	5/16	7200	Galvanized	Inside	Tab Lock	
RBW30115	3 13/16	2 1/4	CW	5/16	5375	Alum. Steel	Inside	Tab Lock	
RBW30116	3 13/16	2 1/4	CCW	5/16	5375	Alum. Steel	Inside	Tab Lock	
RBW30117	3 13/16	2 1/2	CW	5/16	5000	Galvanized	Inside	Strip Wheels	
RBW30118	3 13/16	2 1/2	CCW	5/16	5000	Galvanized	Inside	Strip Wheels	40559
RBW40101*	4	1 1/2	CCW	5/16	5800	Alum. Steel	Inside	Tab Lock	40564
RBW40102*	4	2 1/2	CCW	1/4	3600	Galvanized	Inside	Tab Lock	40563, 40601
RBW40103	4 1/4	2 1/2	CW	3/8	4500	Alum. Steel	Inside	Strip Wheels	
RBW40104	4 1/4	2 1/2	CCW	3/8	4500	Alum. Steel	Inside	Strip Wheels	
RBW40105	4 1/4	2 15/16	CCW	1/4	4500	Galvanized	Inside	Strip Wheels	40565
RBW40106	4 1/4	2 15/16	CW	1/4	4500	Galvanized	Inside	Strip Wheels	
RBW40107	4 1/4	2 15/16	CCW	5/16	4500	Galvanized	Inside	Strip Wheels	
RBW40108	4 1/4	2 15/16	CW	5/16	4500	Galvanized	Inside	Strip Wheels	
RBW40109	4 3/4	2 1/16	CCW	1/2	3600	Galvanized	Inside	Strip Wheels	40603
RBW40110	4 3/4	2 1/16	CW	1/2	3600	Galvanized	Inside	Strip Wheels	40602
RBW40111	4 3/4	2 1/2	CCW	1/2	3600	Alum. Steel	Inside	Strip Wheels	
RBW40112	4 3/4	2 1/2	CCW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW40113	4 3/4	2 1/2	CW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW40114	4 3/4	2 1/2	CCW	5/16	3600	Galvanized	Inside	Strip Wheels	
RBW40115	4 3/4	2 1/2	CW	5/16	3600	Galvanized	Inside	Strip Wheels	
RBW40117	4 3/4	2 15/16	CCW	5/16	3600	Galvanized	Inside	Strip Wheels	
RBW40118	4 3/4	2 15/16	CW	5/16	3600	Galvanized	Inside	Strip Wheels	
RBW40119	4 3/4	2 15/16	CCW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW40120	4 3/4	2 15/16	CW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW40121	4 3/4	3 7/16	CCW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW40122	4 3/4	3 7/16	CW	1/2	3600	Galvanized	Inside	Strip Wheels	40605, 40606
RBW40123	4 13/16	1 1/8	CW	5/16	7400	Galvanized	Inside	Tab Lock	
RBW40124	4 13/16	1 1/8	CCW	5/16	7400	Galvanized	Inside	Tab Lock	
RBW50100	5 1/16	2 1/2	CW	1/2	4000	Galvanized	Inside	Tab Lock	
RBW50101	5 1/16	2 7/8	CW	1/2	3500	Galvanized	Inside	Tab Lock	
RBW50102	5 1/16	3	CW	5/16	3300	Alum. Steel	Inside	Tab Lock	
RBW50103	5 1/4	2 1/16	CW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW50104	5 1/4	2 1/16	CCW	1/2	3600	Galvanized	Inside	Strip Wheels	

*1/2" Deep conic back plate



Universal Single Inlet Blower Wheels



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Tab Lock

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- Made in USA
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Item ID	Dia. (In.)	Width (In.)	Rotation	Bore (In.)	Max RPM	Material	Hub Location	Lock Type	Replaces
Revcor									
RBW50105	5 1/4	2 1/2	CW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW50106	5 1/4	2 1/2	CCW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW50107	5 1/4	2 1/2	CW	5/16	3600	Galvanized	Inside	Strip Wheels	40609
RBW50108	5 1/4	2 1/2	CCW	5/16	3600	Galvanized	Inside	Strip Wheels	40608
RBW50109	5 1/4	2 15/16	CW	5/16	3600	Galvanized	Inside	Strip Wheels	40611
RBW50110	5 1/4	2 15/16	CCW	5/16	3600	Galvanized	Inside	Strip Wheels	
RBW50111	5 1/4	2 15/16	CW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW50112	5 1/4	2 15/16	CCW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW50113	5 1/4	3 7/16	CW	5/16	3600	Galvanized	Inside	Strip Wheels	
RBW50114	5 1/4	3 7/16	CCW	5/16	3600	Galvanized	Inside	Strip Wheels	
RBW50115	5 1/4	3 7/16	CW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW50116	5 1/4	3 7/16	CCW	1/2	3600	Galvanized	Inside	Strip Wheels	40607
RBW50117	5 1/2	1	CW	5/16	3800	Galvanized	Inside	Tab Lock	
RBW50118	5 1/2	1 3/4	CW	1/2	3800	Alum. Steel	Inside	Tab Lock	
RBW50119	5 3/4	1 1/2	CCW	1/2	3700	Galvanized	Inside	Tab Lock	
RBW50120	5 3/4	2	CW	1/2	3400	Galvanized	Inside	Tab Lock	
RBW50121	5 3/4	2	CCW	1/2	3400	Galvanized	Inside	Tab Lock	
RBW50122	5 3/4	2 1/2	CW	1/2	3900	Galvanized	Inside	Tab Lock	
RBW50123	5 3/4	2 1/2	CCW	1/2	3900	Galvanized	Inside	Tab Lock	
RBW50124	5 3/4	2 1/2	CCW	5/16	3450	Galvanized	Inside	Strip Wheels	
RBW50125	5 3/4	2 1/2	CW	5/16	3450	Galvanized	Inside	Strip Wheels	
RBW50126	5 3/4	2 3/4	CW	5/16	3550	Galvanized	Inside	Tab Lock	
RBW50127	5 3/4	2 3/4	CCW	5/16	3550	Galvanized	Inside	Tab Lock	
RBW50128	5 3/4	2 15/16	CW	1/2	3000	Galvanized	Inside	Strip Wheels	
RBW50129	5 3/4	2 15/16	CCW	1/2	3000	Galvanized	Inside	Strip Wheels	
RBW50130	5 3/4	3	CW	5/16	2800	Galvanized	Inside	Tab Lock	
RBW50131	5 3/4	3	CCW	5/16	2800	Galvanized	Inside	Tab Lock	
RBW50132	5 3/4	3 7/16	CW	3/8	3000	Galv. Ring and Back / Alum. Blades	Inside	Strip Wheels	
RBW50133	5 3/4	3 7/16	CCW	3/8	3000	Galv. Ring and Back / Alum. Blades	Inside	Strip Wheels	
RBW50134	5 3/4	3 7/16	CW	5/16	3000	Galvanized	Inside	Strip Wheels	
RBW50135	5 3/4	3 7/16	CCW	5/16	3000	Galvanized	Inside	Strip Wheels	
RBW50136	5 3/4	3 13/16	CW	1/2	3000	Galvanized	Inside	Strip Wheels	
RBW50137	5 3/4	3 13/16	CCW	1/2	3000	Galvanized	Inside	Strip Wheels	
RBW50139	5 3/4	4	CW	1/2	2800	Galvanized	Inside	Strip Wheels	40615
RBW50140	5 3/4	4	CCW	1/2	2800	Galvanized	Inside	Strip Wheels	
RBW60100	6 5/16	1 1/2	CW	5/16	3300	Aluminum	Inside	Tab Lock	
RBW60102	6 5/16	2	CW	1/2	3200	Galvanized	Inside	Tab Lock	40617
RBW60103	6 5/16	2	CCW	1/2	3200	Galvanized	Inside	Tab Lock	40618
RBW60104	6 5/16	2 1/2	CW	1/2	2800	Galvanized	Inside	Tab Lock	40619
RBW60105	6 5/16	2 1/2	CCW	1/2	2800	Galvanized	Inside	Tab Lock	40620
RBW60108	6 5/16	2 15/16	CCW	5/16	3400	Galvanized	Inside	Strip Wheels	



Universal Single Inlet Blower Wheels



Strip Wheels



Tab Lock

Applications

- Draft inducers, power venting, small appliances, heating, ventilation, air conditioning, convectors, appliances, kitchen and bath exhaust

Features

- 5 1/4" to 12 5/8" diameters
- Embossed backs for added strength
- Factory balanced
- Individually boxed
- Made in USA
- Additional blower wheels available upon request

Item ID	Dia. (In.)	Width (In.)	Rotation	Bore (In.)	Max RPM	Material	Hub Location	Lock Type	Replaces
Revcor									
RBW60109	6 5/16	2 15/16	CW	5/16	3400	Galvanized	Inside	Strip Wheels	
RBW60110	6 5/16	3	CW	1/2	3400	Galvanized	Inside	Tab Lock	40623
RBW60111	6 5/16	3	CCW	1/2	3400	Galvanized	Inside	Tab Lock	40624
RBW60112	6 5/16	3 1/4	CW	5/8	2100	Alum. Steel	Inside	Tab Lock	
RBW60113	6 5/16	3 1/4	CCW	5/8	2100	Alum. Steel	Inside	Tab Lock	
RBW60114	6 5/16	3 7/16	CW	1/2	3000	Galvanized	Inside	Strip Wheels	
RBW60115	6 5/16	3 7/16	CCW	1/2	3000	Galvanized	Inside	Strip Wheels	
RBW60116	6 5/16	3 13/16	CW	1/2	3000	Galvanized	Inside	Strip Wheels	
RBW60117	6 5/16	3 13/16	CCW	1/2	3000	Galvanized	Inside	Strip Wheels	
RBW60118	6 5/16	4	CW	1/2	2800	Galvanized	Inside	Strip Wheels	
RBW60119	6 5/16	4	CCW	1/2	2800	Galvanized	Inside	Strip Wheels	
RBW60121	6 5/16	1 1/32	CW	5/16	3450	Aluminum	Inside	Strip Wheels	
RBW60122	6 5/16	1 1/32	CCW	5/16	3450	Aluminum	Inside	Strip Wheels	
RBW60123	6 3/4	4	CW	1/2	2200	Galvanized	Inside	Tab Lock	
RBW60124	6 3/4	4	CCW	1/2	2200	Galvanized	Inside	Tab Lock	
RBW70100	7 1/8	1	CW	5/8	3700	Galvanized	Inside	Tab Lock	
RBW70101	7 1/8	1	CCW	5/8	3700	Galvanized	Inside	Tab Lock	
RBW70102	7 1/8	1 7/8	CCW	1/2	3200	Galvanized	Inside	Tab Lock	41204
RBW70103	7 1/8	1 7/8	CCW	1/2	3200	Galvanized	Inside	Tab Lock	
RBW70104	7 1/8	1 7/8	CW	5/16	3350	Galvanized	Inside	Tab Lock	
RBW70105	7 1/8	2	CCW	5/16	2900	Galvanized	Inside	Tab Lock	
RBW70106	7 1/8	2 1/2	CW	1/2	2400	Galvanized	Inside	Tab Lock	
RBW70107	7 1/8	4	CCW	3/8	1500	Galvanized	Inside	Tab Lock	
RBW70108	7 1/8	4	CCW	1/2	2000	Galvanized	Inside	Tab Lock	
RBW70109	7 1/8	4	CW	1/2	2000	Galvanized	Inside	Tab Lock	
RBW70110	7 7/16	1 1/2	CCW	1/2	3100	Galvanized	Inside	Tab Lock	
RBW70111	7 7/16	2 1/4	CW	1/2	3375	Galvanized	Inside	Tab Lock	
RBW70112	7 7/16	2 1/4	CCW	1/2	3375	Galvanized	Inside	Tab Lock	
RBW70113	7 7/16	2 1/2	CW	1/2	2500	Aluminum	Inside	Tab Lock	
RBW70114	7 7/16	2 1/2	CCW	1/2	2500	Aluminum	Inside	Tab Lock	
RBW70115	7 7/16	2 3/4	CW	1/2	2825	Galvanized	Inside	Tab Lock	40632
RBW70116	7 7/16	2 3/4	CCW	1/2	2825	Galvanized	Inside	Tab Lock	40633
RBW70117	7 7/16	3 1/4	CW	1/2	2400	Galvanized	Inside	Tab Lock	
RBW70118	7 7/16	3 1/4	CCW	1/2	2400	Galvanized	Inside	Tab Lock	
RBW70119	7 7/16	4	CW	1/2	1650	Aluminum	Inside	Tab Lock	
RBW70120	7 7/16	4	CCW	1/2	1650	Aluminum	Inside	Tab Lock	
RBW70121	7 5/8	4	CW	1/2	2000	Galvanized	Inside	Tab Lock	
RBW80101	8	1 1/2	CW	1/2	3000	Galvanized	Inside	Tab Lock	
RBW80102	8	1 1/2	CCW	1/2	3000	Galvanized	Inside	Tab Lock	
RBW80103	8	1 3/4	CCW	1/2	2800	Alum. Steel	Inside	Tab Lock	
RBW80104	8	1 7/8	CW	1/2	2800	Galvanized	Inside	Tab Lock	
RBW80105	8	2	CW	3/8	2700	Alum. Steel	Inside	Tab Lock	
RBW80106	8	2 1/4	CCW	1/2	2500	Galvanized	Inside	Tab Lock	
RBW80108	8	2 3/8	CCW	1/2	2300	Galvanized	Inside	Tab Lock	41205
RBW80110	8	2 1/2	CCW	1/2	2400	Galvanized	Inside	Tab Lock	



Universal Single Inlet Blower Wheels



Strip Wheels



Tab Lock

Applications

- Draft inducers, power venting, small appliances, heating, ventilation, air conditioning, convectors, appliances, kitchen and bath exhaust

Features

- 5 1/4" to 12 5/8" diameters
- Embossed backs for added strength
- Factory balanced
- Individually boxed
- Made in USA
- Additional blower wheels available upon request

Item ID	Dia. (In.)	Width (In.)	Rotation	Bore (In.)	Max RPM	Material	Hub Location	Lock Type	Replaces
Revcor									
RBW80111	8	4	CCW	1/2	1650	Aluminum	Inside	Tab Lock	
RBW80112	8	4	CW	1/2	1650	Aluminum	Inside	Tab Lock	
RBW80113	8 1/2	1.5	CCW	1/2	2800	Galvanized	Inside	Tab Lock	
RBW80116	8 1/2	2	CCW	5/8	2600	Alum. Steel	Inside	Tab Lock	41212
RBW80117	8 1/2	2 3/4	CW	1/2	2400	Galvanized	Outside	Tab Lock	40615
RBW80118	8 1/2	2 3/4	CCW	1/2	2400	Galvanized	Outside	Tab Lock	
RBW80119	8 1/2	3 3/4	CW	1/2	1850	Galvanized	Inside	Tab Lock	
RBW80120	8 1/2	3 3/4	CCW	1/2	1850	Galvanized	Inside	Tab Lock	
RBW80121	8 1/2	4	CW	1/2	1650	Galvanized	Inside	Tab Lock	
RBW80122	8 1/2	4	CCW	1/2	1650	Galvanized	Inside	Tab Lock	
RBW80123	8 1/2	4 1/4	CW	1/2	1500	Galvanized	Inside	Tab Lock	
RBW80124	8 1/2	4 1/4	CCW	1/2	1500	Galvanized	Inside	Tab Lock	
RBW90102	9 1/8	1 3/4	CCW	5/8	2400	Alum. Steel	Inside	Tab Lock	41208
RBW90103	9 1/8	2	CW	1/2	2150	Galvanized	Outside	Tab Lock	
RBW90104	9 1/8	3	CW	5/16	1650	Aluminum	Outside	Tab Lock	
RBW90105	9 1/8	3 3/4	CW	1/2	1575	Galvanized	Inside	Tab Lock	
RBW90106	9 1/8	3 3/4	CCW	1/2	1575	Galvanized	Inside	Tab Lock	
RBW90107	9 1/8	4 1/4	CW	1/2	1450	Galvanized	Inside	Tab Lock	
RBW90108	9 1/8	4 1/4	CCW	1/2	1450	Galvanized	Inside	Tab Lock	
RBW90109	9 1/8	4 1/2	CW	5/8	1375	Aluminum	Inside	Tab Lock	
RBW90110	9 1/8	4 1/2	CCW	5/8	1375	Aluminum	Inside	Tab Lock	
RBW90111	9 1/2	2	CCW	5/8	2200	Alum. Steel	Inside	Tab Lock	
RBW90112	9 7/8	1 1/2	CCW	5/8	2400	Galvanized	Inside	Tab Lock	41213
RBW90114	9 7/8	1 1/2	CCW	5/8	2400	Alum. Steel	Inside	Tab Lock	41241
RBW90116	9 7/8	1 7/8	CW	5/8	2200	Galvanized	Inside	Tab Lock	
RBW90117	9 7/8	1 7/8	CCW	5/8	2200	Galvanized	Inside	Tab Lock	40642
RBW90123	9 7/8	2	CCW	5/8	2100	Galvanized	Inside	Tab Lock	41202
RBW90124	9 7/8	2	CCW	5/8	2100	Alum. Steel	Inside	Tab Lock	41201
RBW90126	9 7/8	2 1/8	CCW	1/2	1900	Galvanized	Inside	Tab Lock	41242
RBW90128	9 7/8	2 1/4	CCW	1/2	1850	Galvanized	Inside	Tab Lock	
RBW90130	9 7/8	2 1/2	CCW	5/8	1750	Alum. Steel	Inside	Tab Lock	
RBW90131	9 7/8	6	CW	1/2	1100	Galvanized	Inside	Tab Lock	
RBW10100	10 3/4	1 3/8	CCW	5/8	2200	Galvanized	Inside	Tab Lock	
RBW10101	10 3/4	3	CW	1/2	1300	Galvanized	Outside	Tab Lock	
RBW10102	10 3/4	3	CCW	1/2	1300	Galvanized	Outside	Tab Lock	
RBW10103	10 3/4	4	CCW	1/2	1150	Galvanized	Inside	Tab Lock	
RBW10104	10 3/4	4	CW	1/2	1150	Galvanized	Inside	Tab Lock	
RBW10105	10 3/4	4 7/8	CCW	1/2	1125	Galvanized	Inside	Tab Lock	
RBW10106	10 3/4	5	CCW	1/2	1100	Galvanized	Inside	Tab Lock	
RBW10107	10 3/4	6	CW	1/2	1050	Galvanized	Inside	Tab Lock	
RBW10108	10 3/4	6	CCW	1/2	1050	Galvanized	Inside	Tab Lock	
RBW11100	11 5/8	2 1/2	CW	1/2	1550	Galvanized	Outside	Tab Lock	
RBW12100	12 5/8	5	CW	1/2	950	Galvanized	Inside	Tab Lock	
RBW12101	12 5/8	5	CCW	1/2	950	Galvanized	Inside	Tab Lock	
RBW12102	12 5/8	6	CCW	3/4	900	Galvanized	Inside	Tab Lock	



Universal Double Inlet Blower Wheels



Applications

- Power venting, small appliances, heating, ventilation, air conditioning, PTAC, fan coils, and mini split systems

Features

- 4 3/4" to 12 5/8" diameters
- Embossed backs for added strength
- Factory balanced
- Individually boxed
- Variety of materials available
- Made in USA
- Additional blower wheels available upon request

Item ID	Diameter (In.)	Width (In.)	Rotation	Bore (In.)	Max RPM	Material	Hub Location	Type	Replaces
Revcor									
RBW40200	4 3/4	6 7/8	CW	1/2	3600	Aluminum	Center	Strip Wheels	41102
RBW50200	5 1/4	6 7/8	CW	1/2	3600	Aluminum	Center	Strip Wheels	41134
RBW50201	5 1/4	6 7/8	CCW	1/2	3600	Galvanized	Center	Strip Wheels	41108
RBW50202	5 1/4	6 7/8	CW	1/2	3600	Galvanized	Center	Strip Wheels	41107
RBW50203	5 1/4	6	CW	1/2	2800	Galvanized	Center	Tab Lock	
RBW50204	5 1/4	6 3/4	CCW	1/2	2250	Galvanized	Center	Tab Lock	
RBW50205	5 1/4	8	CCW	1/2	3200	Galvanized	Center	Strip Wheels	
RBW50206	5 1/2	5	CW	1/2	3200	Galvanized	Center	Tab Lock	
RBW50207	5 1/2	6 1/2	CCW	1/2	2800	Galvanized	Center	Tab Lock	41110
RBW50208	5 3/4	5	CW	1/2	3450	Galvanized	Center	Strip Wheels	41111
RBW50209	5 3/4	5 7/8	CW	1/2	3000	Galvanized	Center	Strip Wheels	41112
RBW50215	5 3/4	6	CCW	1/2	2700	Galvanized	Center	Tab Lock	
RBW50216	5 3/4	6 1/2	CCW	1/2	2400	Aluminum	Center	Tab Lock	
RBW50210	5 3/4	6 7/8	CW	1/2	3000	Galvanized	Center	Strip Wheels	41113
RBW50218	5 3/4	7 1/4	CCW	3/8	2000	Aluminum	Center	Tab Lock	
RBW50211	5 3/4	7 5/8	CCW	1/2	3000	Galvanized	Center	Strip Wheels	41115
RBW50212	5 3/4	7 5/8	CW	1/2	3000	Galvanized	Center	Strip Wheels	41114
RBW50214	5 3/4	8	CW	1/2	2800	Galvanized	Center	Strip Wheels	41116
RBW50219	5 3/4	8	CCW	1/2	1600	Galvanized	Center	Strip Wheels	41117
RBW50220	5 3/4	9	CW	3/8	1200	Aluminum	Center	Tab Lock	
RBW60200	6 1/8	7 1/4	CW	1/2	2000	Galvanized	Center	Tab Lock	
RBW60204	6 5/16	4	CW	1/2	2800	Galvanized	Center	Tab Lock	
RBW60205	6 5/16	5	CW	1/2	2700	Galvanized	Center	Tab Lock	
RBW60206	6 5/16	5 7/16	CW	1/2	3000	Galvanized	Off Center	Strip Wheels	
RBW60207	6 5/16	6	CCW	3/8	2350	Galvanized	Center	Tab Lock	
RBW60208	6 5/16	6 3/8	CW	1 1/4	2200	Aluminum	Center	Tab Lock	
RBW60201	6 5/16	6 7/8	CW	1/2	3000	Galvanized	Center	Strip Wheels	41123
RBW60209	6 5/16	6 7/8	CW	1/2	3000	Galvanized	Center	Strip Wheels	
RBW60210	6 5/16	7	CCW	1/2	2100	Galvanized	Center	Tab Lock	41127
RBW60211	6 5/16	7	CW	1/2	2100	Galvanized	Center	Tab Lock	41126
RBW60212	6 5/16	7 1/2	CCW	1/2	2000	Aluminum	Center	Tab Lock	
RBW60202	6 5/16	7 5/8	CCW	1/2	3000	Aluminum	Center	Strip Wheels	41124
RBW60213	6 5/16	7 5/8	CW	1/2	1900	Galvanized	Center	Tab Lock	41130
RBW60214	6 5/16	7 7/8	CW	1/2	1700	Aluminum	Center	Tab Lock	
RBW60203	6 5/16	8	CW	1/2	2800	Galvanized	Center	Strip Wheels	41125
RBW60215	6 5/16	8 1/8	CW	1/2	1700	Galvanized	Center	Tab Lock	
RBW60216	6 5/16	8 1/8	CCW	1/2	1700	Galvanized	Center	Tab Lock	
RBW60217	6 5/16	8 1/4	CW	1/2	1675	Galvanized	Center	Tab Lock	
RBW60218	6 3/4	7 1/4	CW	1/2	2000	Galvanized	Center	Tab Lock	
RBW60219	6 3/4	8 1/4	CW	1/2	1700	Galvanized	Center	Tab Lock	
RBW70203	7 7/16	7	CCW	1/2	1800	Galvanized	Center	Tab Lock	
RBW70204	7 7/16	9	CW	1/2	1625	Galvanized	Center	Tab Lock	41132
RBW70205	7 5/8	5 3/8	CCW	3/8	2050	Galvanized	Center	Tab Lock	
RBW70206	7 5/8	7	CW	1/2	1800	Galvanized	Center	Tab Lock	
RBW80200*	8 1/2	7	CW	1/2	1750	Galvanized	Center	Tab Lock	
RBW90200*	9 1/2	5 3/4	CW	1/2	1750	Galvanized	Center	Tab Lock	

*Convex back plate



Circulation Double Inlet Blower Wheels



Applications

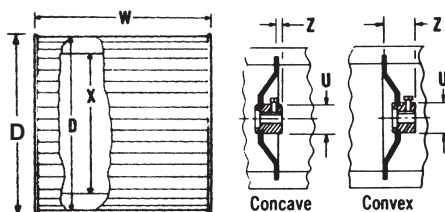
- Furnaces, ventilation, air conditioning, mini split systems, evaporative coolers, commercial A/C, and fan coils

Features

- 9 1/2" to 12 5/8" diameters
- Embossed backs for added strength
- Factory balanced
- Individually boxed
- Made in USA
- Additional blower wheels available upon request

Item ID	Diameter (In.)	Width (In.)	Rotation	Bore (In.)	Max RPM	Material	Hub Location	Back Plate	Replaces
Revcor									
RBW90201	9 1/2	4 1/2	CW	1/2	1750	Galvanized	Center	Convex	41360
RBW90202	9 1/2	6 1/16	CW	1/2	1750	Galvanized	Center	Convex	41303
RBW90203	9 1/2	7 1/8	CCW	1/2	1750	Galvanized	Center	Convex	41306
RBW90204	9 1/2	7 1/8	CW	1/2	1750	Galvanized	Center	Convex	41307
RBW90205	9 1/2	8 1/16	CCW	1/2	1750	Galvanized	Center	Convex	41310
RBW90206	9 1/2	8 1/16	CW	1/2	1750	Galvanized	Center	Convex	41311
RBW90207	9 1/2	9 1/2	CW	1/2	1750	Galvanized	Center	Concave	41312
RBW90208	9 1/2	9 1/2	CCW	1/2	1750	Galvanized	Center	Concave	41361
RBW90209	9 7/8	7	CCW	1/2	1550	Galvanized	Center	Convex	
RBW90210	9 7/8	9 1/4	CCW	1/2	1200	Galvanized	Center	Convex	
RBW90211	9 7/8	10 1/2	CCW	1/2	1150	Galvanized	Center	Convex	
RBW10201	10 5/8	4 1/2	CW	1/2	1750	Galvanized	Center	Convex	41314
RBW10202	10 5/8	6 1/16	CCW	1/2	1750	Galvanized	Center	Convex	41317
RBW10203	10 5/8	6 1/16	CW	1/2	1750	Galvanized	Center	Convex	41318
RBW10204	10 5/8	6 1/16	CW	5/8	1750	Galvanized	Center	Convex	41321
RBW10205	10 5/8	7 1/8	CW	1/2	1750	Galvanized	Center	Convex	41323
RBW10206	10 5/8	7 1/8	CCW	1/2	1750	Galvanized	Center	Convex	41362
RBW10207	10 5/8	8 1/16	CCW	1/2	1750	Galvanized	Center	Convex	41326
RBW10208	10 5/8	8 1/16	CW	1/2	1750	Galvanized	Center	Convex	41327
RBW10209	10 5/8	9 1/2	CCW	1/2	1750	Galvanized	Center	Concave	41328
RBW10210	10 5/8	9 1/2	CW	1/2	1750	Galvanized	Center	Concave	41329
RBW10211	10 5/8	9 1/2	CW	1/2	1750	Galvanized	Center	Convex	41331
RBW10212	10 5/8	10 11/16	CCW	1/2	1750	Galvanized	Center	Concave	41332
RBW10213	10 5/8	10 11/16	CW	1/2	1750	Galvanized	Center	Concave	41333
RBW10215	10 3/4	10 1/2	CW	1/2	1150	Galvanized	Center	Convex	41335
RBW11200	11 15/16	6 1/6	CW	1/2	1550	Galvanized	Center	Convex	41339
RBW11201	11 15/16	7 1/8	CW	1/2	1550	Galvanized	Center	Convex	41341
RBW11202	11 15/16	8 1/16	CW	1/2	1550	Galvanized	Center	Convex	41345
RBW11203	11 15/16	8 1/16	CW	1/2	1550	Galvanized	Center	Concave	41343
RBW11204	11 15/16	8 1/16	CCW	1/2	1550	Galvanized	Center	Convex	41344
RBW11205	11 15/16	9 1/2	CCW	1/2	1550	Galvanized	Center	Convex	41348
RBW11206	11 15/16	9 1/2	CW	1/2	1550	Galvanized	Center	Convex	41349
RBW11207	11 15/16	10 11/16	CCW	1/2	1550	Galvanized	Center	Concave	41350
RBW11208	11 15/16	10 11/16	CW	1/2	1550	Galvanized	Center	Concave	41351
RBW12200	12 7/8	9 1/2	CW	5/8	1200	Galvanized	Center	Convex	41354
RBW12201	12 7/8	9 1/2	CW	1/2	1200	Galvanized	Center	Convex	41363
RBW12202	12 7/8	12 5/8	CW	1/2	1200	Galvanized	Center	Concave	41355
RBW12203	12 7/8	12 5/8	CW	5/8	1200	Galvanized	Center	Concave	41356

Double Inlet Blower Wheels



Fan Blade & Blower Wheel Puller



A89000

See page 230

Features

- Universal replacement wheels for direct drive blowers
- Galvanized, cold rolled steel
- Recommended for application temperatures that do not exceed 135°F (60°C)

Item ID	Bore	Rotation	Center Disc	Max RPM	D	W	Dimensions (In.)		
							X	U	Z
Lau									
L01333501	1/2	CW	Convex	1750	9 1/2	6	7 11/16	1 1/4	1 25/32
L01333602	1/2	CW	Convex	1750	9 1/2	7 1/8	7 11/16	1 1/4	1 25/32
L01333603	1/2	CCW	Convex	1750	9 1/2	7 1/8	7 11/16	1 1/4	1 25/32
L01333701	1/2	CW	Convex	1750	9 1/2	8	7 11/16	1 1/4	1 25/32
L01333703	1/2	CCW	Convex	1750	9 1/2	8	7 11/16	1 1/4	1 25/32
L01333201	1/2	CW	Concave	1750	9 1/2	9 1/2	7 11/16	1 1/4	7/32
L01333203	1/2	CCW	Concave	1750	9 1/2	9 1/2	7 11/16	1 1/4	7/32
L01332701	1/2	CW	Convex	1750	10 5/8	4 1/2	8 7/8	1 1/4	1 15/16
L01332601	1/2	CW	Convex	1750	10 5/8	6	8 7/8	1 1/4	1 15/16
L01332602	1/2	CCW	Convex	1750	10 5/8	6	8 7/8	1 1/4	1 15/16
L01332614	5/8	CW	Convex	1750	10 5/8	6	8 7/8	1 1/4	1 15/16
L01332501	1/2	CW	Convex	1750	10 5/8	7 1/8	8 7/8	1 1/4	1 15/16
L02710204	1/2	CCW	Convex	1750	10 5/8	7 1/8	8 7/8	1 1/4	1 15/16
L01332401	1/2	CW	Convex	1750	10 5/8	8	8 7/8	1 1/4	1 15/16
L01332402	1/2	CCW	Convex	1750	10 5/8	8	8 7/8	1 1/4	1 15/16
L01331701	1/2	CW	Concave	1750	10 5/8	9 1/2	8 7/8	1 1/4	1/16
L01331704	1/2	CCW	Concave	1750	10 5/8	9 1/2	8 7/8	1 1/4	1/16
L01332301	1/2	CW	Convex	1750	10 5/8	9 1/2	8 7/8	1 1/4	1/16
L01331602	1/2	CW	Concave	1750	10 5/8	10 5/8	8 7/8	1 1/4	1/16
L01332203	1/2	CW	Convex	1750	10 5/8	10 5/8	8 7/8	1 1/4	1/16
L01331606	1/2	CCW	Concave	1750	10 5/8	10 5/8	8 7/8	1 1/4	1/16
L02694003	1/2	CW	Convex	1550	11 3/4	6	10	1 1/4	—
L02694005	1/2	CW	Convex	1550	11 3/4	7 1/8	10	1 1/4	—
L02694007	1/2	CW	Convex	1550	11 3/4	8	10	1 1/4	—
L02694107	1/2	CW	Concave	1550	11 3/4	8	10	1 1/4	—
L02694008	1/2	CCW	Convex	1550	11 3/4	8	10	1 1/4	—
L02694009	1/2	CW	Convex	1550	11 3/4	9 1/2	10	1 1/4	—
L02694010	1/2	CCW	Convex	1550	11 3/4	9 1/2	10	1 1/4	—
L02694111	1/2	CW	Concave	1550	11 3/4	10 5/8	10	1 1/4	—
L02694112	1/2	CCW	Concave	1550	11 3/4	10 5/8	10	1 1/4	—
L01369325	1/2	CW	Convex	1200	12 5/8	9 1/2	10 5/16	1 1/4	2
L01369315	5/8	CW	Convex	1200	12 5/8	9 1/2	10 5/16	1 1/4	2
L01556507	1/2	CW	Concave	1200	12 5/8	12 5/8	10 5/16	1 1/4	1/16
L01556504	5/8	CW	Concave	1200	12 5/8	12 5/8	10 5/16	1 1/4	1/16

Galvanized Steel Blower Wheels



Applications

- Condensers, draft boosters, flue exhaust, small appliances, furnaces

Features

- Rotation viewed side opposite hub

Item ID	Dia. (In.)	Width (In.)	Rotation	Bore (In.)	Max RPM
Packard					
BW16039	3	1 7/8	CCW	1/4	5000
BW16038	3	1 7/8	CW	1/4	5000
BW16044	3 13/16	2 1/2	CW	5/16	5000
BW16043	3 13/16	1 7/8	CW	5/16	5000
BW16042	3 13/16	1 7/8	CCW	5/16	5000
BW16045	3 13/16	2 1/2	CCW	5/16	5000
BW16041	3 13/16	1 7/8	CW	1/4	5000
BW16040	3 13/16	1 7/8	CCW	1/4	5000
BW16114	3 27/32	1 1/4	CW	1/4	5600
BW16113	3 27/32	1	CW	1/4	5800
BW16051	3 27/32	1 13/64	CCW	1/4	5640
NEW A65048BW	3.82	1.65	CW Hub End	5/16	Repl. Carrier LA11XA048
BW16141	4	1 1/2	CCW	5/16	3600
A65569BW	4	1 1/2	CCW	5/16	Repl. Carrier LA11AA005
BW16133	4	2 1/2	CCW	1/4	3600
BW16123	4	7/8	CW	5/16	3600
BW16046	4 1/4	2	CCW	1/4	4500
BW16052	4 1/4	2 15/16	CCW	1/4	4500
BW16047	4 1/4	2	CCW	5/16	4500
BW11046	4 1/2	1.65	CCW	1/4	Repl. Carrier LAXA046
BW16160	4 17/32	1 1/4	CW	5/16	6300
BW16161	4 17/32	1 1/4	CCW	5/16	6300
BW16048	4 23/32	2 15/16	CW	5/16	3600
BW16054	5 13/64	2 29/32	CCW	5/16	3600
BW16025	5 13/64	2 1/2	CCW	5/16	3600
BW16053	5 13/64	2 29/32	CW	5/16	3600
BW16024	5 13/64	2 1/2	CW	5/16	3600
BW16549	5 1/4	1	CW	5/16	Repl. Carrier LA21RB549
BW16548	5 3/4	1	CW	5/16	Repl. Carrier LA21RB548
BW16026	5 45/64	2 15/16	CCW	5/16	3000
BW16002	5 45/64	4	CW	1/2	2800
BW16057	5 45/64	4	CCW	1/2	2800
BW16143	5 3/4	1 1/2	CCW	5/16	3600
BW16058	6	3 1/4	CW	1/2	2400
BW16010	6	3 1/4	CCW	1/2	2400
BW16060	6 3/16	2 15/16	CCW	3/8	3000
BW16064	6 25/64	4	CCW	1/2	1700
BW16063	6 25/64	4	CW	1/2	1700
BW16005	7 1/8	4	CCW	1/2	1500
BW16066	7 1/8	2	CCW	5/16	2900
BW16070	7 31/64	3 1/2	CW	1/2	1800
BW16071	7 31/64	3 1/2	CCW	1/2	1800
A60200BW	7 11/16	8	CW	1/2	First Company W200
BW16006	8 5/64	4	CW	1/2	1650
BW16074	8 5/64	4	CCW	1/2	1650
BW16077	8 35/64	3	CCW	1/2	2050
BW16008	9 1/8	5	CW	1/2	1350
BW16007	9 1/8	4 1/4	CW	1/2	1475
BW16009	9 1/8	5	CCW	1/2	1350
BW16079	9 31/32	4	CW	1/2	1350
BW16080	9 31/32	4	CCW	1/2	1350
BW16027	9 31/32	6	CW	1/2	1100
BW16028	9 31/32	6	CCW	1/2	1100

Plastic Blower Wheels And Impellers



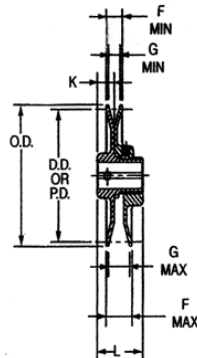
A65900



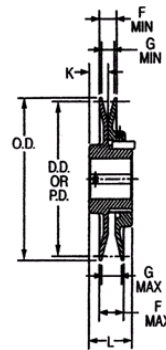
A65100FB
A65216FB
A64031FB

Item ID	Bore (In.)	Diameter (In.)	Width (In.)	Bore	Replaces
Packard					
A65900	1/4	5 3/4	2	D Shape	Nutone 59000A000
A65100FB	7/32	4 9/16	—	D Shape	Nutone 68920
A65216FB	3/16	4 1/2	—	D Shape	
A64031FB	0.181	4 1/2	—	Round	

Stock PVP Variable Pitch Single Groove Pulleys



Type 1



Type 2

Features

- Fitted with hollow head set screws.
- Any standard double groove Packard Drive sheave can be used as a companion sheave.

Item ID	Type	3L Belts					4L or A Belts					5L or B Belts					5V Belts					Stock Bore (In.)	Replaces Browning
		O.D. (In.)	Min. Pitch	Min. Turns Open	Max. Pitch	Max. Turns Open	Min. Datum	Min. Turns Open	Max. Datum	Max. Turns Open	Min. Datum	Min. Turns Open	Max. Datum	Max. Turns Open	Min. Pitch	Min. Turns Open	Max. Pitch	Max. Turns Open					
Packard																							
PVP3012	1	2.87	1.8	4	2.7	0	—	—	—	—	—	—	—	—	—	—	—	—	—	1/2	1VP30 X 1/2		
PVP3412	1	3.15	1.7	4	2.5	0	1.9	5	2.9	0	2.4	5	3.2	1	—	—	—	—	—	1/2	1VP34 X 1/2		
PVP3458	1	3.15	1.7	4	2.5	0	1.9	5	2.9	0	2.4	5	3.2	1	—	—	—	—	—	5/8	1VP34 X 5/8		
PVP3478	1	3.15	1.7	4	2.5	0	1.9	5	2.9	0	2.4	5	3.2	1	—	—	—	—	—	7/8	1VP34 X 7/8		
PVP4012	1	3.75	2.3	4	3.1	0	2.4	5	3.4	0	2.7	6	3.7	1	—	—	—	—	—	1/2	1VP40 X 1/2		
PVP4034	1	3.75	2.3	4	3.1	0	2.4	5	3.4	0	2.7	6	3.7	1	—	—	—	—	—	3/4	1VP40 X 3/4		
PVP4058	1	3.75	2.3	4	3.1	0	2.4	5	3.4	0	2.7	6	3.7	1	—	—	—	—	—	5/8	1VP40 X 5/8		
PVP4078	1	3.75	2.3	4	3.1	0	2.4	5	3.4	0	2.7	6	3.7	1	—	—	—	—	—	7/8	1VP40 X 7/8		
PVP4412	1	4.15	2.7	4	3.5	0	2.8	5	3.8	0	3.1	6	4.1	1	—	—	—	—	—	1/2	1VP44 X 1/2		
PVP4458	1	4.15	2.7	4	3.5	0	2.8	5	3.8	0	3.1	6	4.1	1	—	—	—	—	—	5/8	1VP44 X 5/8		
PVP4478	2	4.15	2.7	4	3.5	0	2.8	5	3.8	0	3.1	6	4.1	1	—	—	—	—	—	7/8	1VP44 X 7/8		
PVP44118	2	4.15	2.7	4	3.5	0	2.8	5	3.8	0	3.1	6	4.1	1	—	—	—	—	—	1 1/8	1VP44 X 1 1/8		
PVP5012	1	4.75	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	—	—	—	—	—	1/2	1VP50 X 1/2		
PVP5058	1	4.75	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	—	—	—	—	—	5/8	1VP50 X 5/8		
PVP5078	2	4.75	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	—	—	—	—	—	7/8	1VP50 X 7/8		
PVP50118	2	4.75	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	—	—	—	—	—	1 1/8	1VP50 X 1 1/8		
PVP5658	1	5.35	3.9	4	4.7	0	4	5	5.0	0	4.3	6	5.3	1	—	—	—	—	—	5/8	1VP56 X 5/8		
PVP5678	2	5.35	3.9	4	4.7	0	4	5	5.0	0	4.3	6	5.3	1	—	—	—	—	—	7/8	1VP56 X 7/8		
PVP56118	2	5.35	3.9	4	4.7	0	4	5	5.0	0	4.3	6	5.3	1	—	—	—	—	—	1 1/8	1VP56 X 1 1/8		
PVP6078	2	6.00	—	—	—	—	4.2	5	5.2	0	4.3	6	5.5	0	—	—	—	—	—	7/8	1VP60 X 7/8		
PVP60118	2	6.00	—	—	—	—	4.2	5	5.2	0	4.3	6	5.5	0	—	—	—	—	—	1 1/8	1VP60 X 1 1/8		
PVP60138	2	6.00	—	—	—	—	4.2	5	5.2	0	4.3	6	5.5	0	—	—	—	—	—	1 3/8	1VP60 X 1 3/8		
PVP65118	2	6.5	—	—	—	—	4.7	5	5.7	0	4.8	6	6.0	0	5.2	6	6.4	0	—	1 1/8	1VP65 X 1 1/8		
PVP68118	2	6.55	5.1	4	5.9	0	5.2	5	6.2	0	5.5	6	6.5	1	5.9	6	6.9	1	—	1 1/8	1VP68 X 1 3/8		
PVP75138	2	7.5	—	—	—	—	5.7	5	6.7	0	5.8	6	7.0	0	6.2	6	7.4	0	—	1 3/8	1VP75 X 1 3/8		

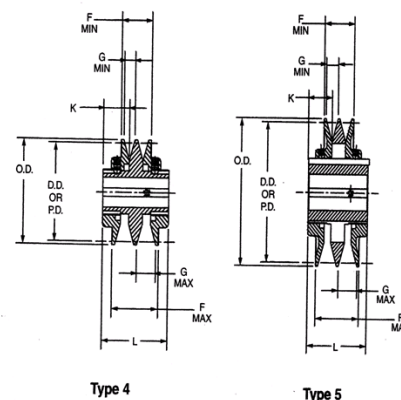
Stock P2VP Variable Pitch Double Groove Pulleys

Features

- Fitted with hollow head set screws
- Any standard double groove Packard Drive sheave can be used as a companion sheave.

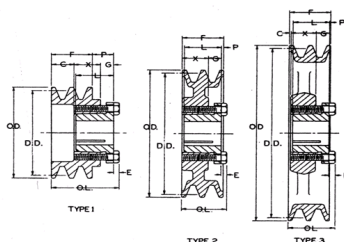


Item ID	Type	Diameter (In.) O.D.	Stock Bore (In.)	Replaces Browning
Packard				
P2VP3658	4	3.35	5/8	2VP36 X 5/8
P2VP3678	4	3.35	7/8	2VP36 X 7/8
P2VP4258	4	3.95	5/8	2VP42 X 5/8
P2VP4278	4	3.95	7/8	2VP42 X 7/8
P2VP42118	4	3.95	1 1/8	2VP42 X 1 1/8
P2VP5058	5	4.75	5/8	2VP50 X 5/8
P2VP5078	5	4.75	7/8	2VP50 X 7/8
P2VP50118	5	4.75	1 1/8	2VP50 X 1 1/8
P2VP5678	5	5.35	7/8	2VP56 X 7/8
P2VP56118	5	5.35	1 1/8	2VP56 X 1 1/8
P2VP60118	5	6	1 1/8	2VP60 X 1 1/8
P2VP60138	5	6	1 3/8	2VP60 X 1 3/8
P2VP62118	5	6	1 1/8	2VP62 X 1 1/8
P2VP65118	5	5.95	1 1/8	2VP65 X 1 1/8
P2VP68118	5	6.50	1 1/8	2VP68 X 1 1/8



Item ID	3L Belts				4L or A Belts				5L or B Belts				5V Belts			
	Min. Pitch	Min. Turns Open	Max. Pitch	Max. Turns Open	Min. Datum	Min. Turns Open	Max. Datum	Max. Turns Open	Min. Datum	Min. Turns Open	Max. Datum	Max. Turns Open	Min. Pitch	Min. Turns Open	Max. Pitch	Max. Turns Open
Packard																
P2VP3658	1.9	4	2.7	0	2	5	3	0	2.5	5	3.3	1	—	—	—	—
P2VP3678	1.9	4	2.7	0	2	5	3	0	2.5	5	3.3	1	—	—	—	—
P2VP4258	2.5	4	3.3	0	2.6	5	3.6	0	2.9	6	3.9	1	—	—	—	—
P2VP4278	2.5	4	3.3	0	2.6	5	3.6	0	2.9	6	3.9	1	—	—	—	—
P2VP42118	2.5	4	3.3	0	2.6	5	3.6	0	2.9	6	3.9	1	—	—	—	—
P2VP5058	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	—	—	—	—
P2VP5078	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	—	—	—	—
P2VP50118	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	—	—	—	—
P2VP5678	3.9	4	4.7	0	4	5	5	0	4.3	6	5.3	1	—	—	—	—
P2VP56118	3.9	4	4.7	0	4	5	5	0	4.3	6	5.3	1	—	—	—	—
P2VP60118	—	—	—	—	4.2	5	5.2	0	4.3	6	5.5	0	—	—	—	—
P2VP60138	—	—	—	—	4.2	5	5.2	0	4.3	6	5.5	0	—	—	—	—
P2VP62118	4.5	4	5.3	0	4.6	5	5.6	0	4.9	6	5.9	1	5.3	6	6.3	1
P2VP65118	—	—	—	—	4.7	5	5.7	0	4.8	6	6	0	5.2	6	6.4	0
P2VP68118	5.1	4	5.9	0	5.2	5	6.2	0	5.5	6	6.5	1	5.9	6	6.9	1

Two Groove Pulleys For 4L Or A Belts

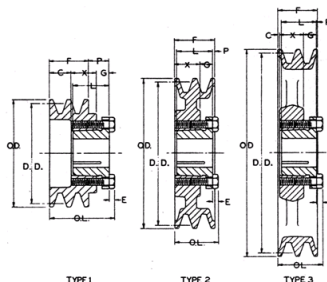
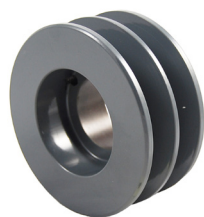


Features

- 3L belts may be used with these pulleys.

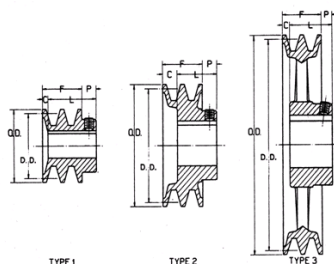
Item ID	Diameter (In.)			Type	O.L.	F	Dimensions (In.)						Replaces Browning
	O.D.	Datum A	Pitch 3L				L	P	C	X	G	E	
Packard													
P2AK30H	3.05	2.8	2.46	1	2 7/16	1 3/8	1 1/4	7/8	15/16	7/8	7/16	3/16	2AK30H
P2AK39H	3.75	3.5	3.16	1	2	1 3/8	1 1/4	7/8	1/2	7/8	7/16	3/16	2AK39H
P2AK46H	4.45	4.2	3.86	2	1 1/2	1 3/8	1 1/4	1/16	—	7/8	7/16	3/16	2AK46H
P2AK54H	5.25	5.0	4.66	2	1 1/2	1 3/8	1 1/4	1/16	—	7/8	7/16	3/16	2AK54H
P2AK56H	5.45	5.2	4.86	2	1 1/2	1 3/8	1 1/4	1/16	—	7/8	7/16	3/16	2AK56H

Two Groove Pulleys For 4L Or A Belts And 5L Or B Belts



Item ID	O.D.	Diameter (In.)		Type	O.L.	F	L	Dimensions (In.)					Replaces Browning	
		Datum A	Datum B					P	C	X	G	E		
Packard														
P2BK32H	3.35	2.6	3	1	2 13/16	1 3/4	1 1/4	7/8	5/16	7/8	7/16	3/16	2BK32H	
P2BK80H	7.75	7.0	7.4	3	1 3/4	1 3/4	1 1/4	7/16	7/8	7/8	7/16	3/16	2BK80H	
P2BK100H	9.75	9.0	9.4	3	1 3/4	1 3/4	1 1/4	7/16	7/8	7/8	7/16	3/16	2BK100H	

Two Groove Pulleys For 4L Or A Belts And 5L Or B Belts

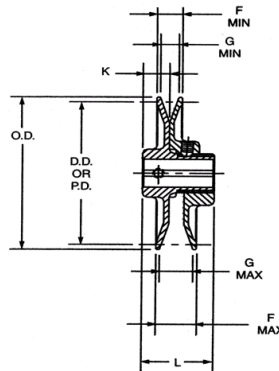


Features

- PACKARD DRIVE “P2BK” sheaves are accurately machined from grained cast iron, statically balanced, painted and individually packaged. They are furnished with standard keyway and hollow head set screws.

Item ID	O.D.	Diameter (In.)		Type	Stock Bore (In.)	F	Dimensions (In.)			Replaces Browning
		Datum A	Datum B				L	P	C	
Packard										
P2BK2558	2.6	2	2.4	1	5/8	1 3/4	1 31/32	15/32	1/4	2BK2558
P2BK3058	3.15	2.4	2.8	1	5/8	1 3/4	1 31/32	15/32	1/4	2BK3058
P2BK34118	3.55	2.8	3.2	1	1 1/8	1 3/4	1 31/32	15/32	1/4	2BK34118
P2BK3658	3.75	3	3.4	1	5/8	1 3/4	1 31/32	15/32	1/4	2BK3658
P2BK4058	3.95	3.2	3.6	2	5/8	1 3/4	1 15/32	15/32	3/4	2BK4058
P2BK4558	4.25	3.5	3.9	2	5/8	1 3/4	1 15/32	15/32	3/4	2BK4558
P2BK5058	4.75	4	4.4	2	5/8	1 3/4	1 15/32	15/32	3/4	2BK5058
P2BK5558	5.25	4.5	4.9	2	5/8	1 3/4	1 15/32	15/32	3/4	2BK5558

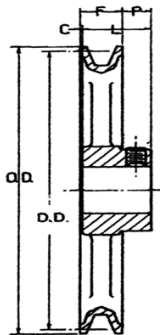
PVL Variable Pitch Pulleys



Bore Range (In.)	Keyway (In.)
1/2	None
5/8 - 7/8	3/16 x 3/32
1 5/16 - 1 1/4	1/4 x 1/8
1 7/16	3/8 x 3/16

Item ID	3L Belts					4L or A Belts					5L or B Belts					Stock Bore (In.)	Replaces Browning
	O.D. (In.)	Min. Pitch	Min. Turns Open	Max. Pitch	Max. Turns Open	Min. Datum	Min. Turns Open	Max. Datum	Max. Turns Open	Min. Turns Open	Min. Datum	Max. Datum	Max. Turns Open				
Packard																	
PVL2512	2.5	1.6	4	2.4	0	—	—	—	—	—	—	—	—	—	1/2	1VL25 X 1/2	
PVL2558	2.5	1.6	4	2.4	0	—	—	—	—	—	—	—	—	—	5/8	1VL25 X 5/8	
PVL3012	2.87	1.8	4	2.7	0	—	—	—	—	—	—	—	—	—	1/2	1VL30 X 1/2	
PVL3058	2.87	1.8	4	2.7	0	—	—	—	—	—	—	—	—	—	5/8	1VL30 X 5/8	
PVL3412	3.15	1.7	4	2.5	0	1.9	5	2.9	0	5	2.4	3.2	1	1/2	1VL34 X 1/2		
PVL3434	3.15	1.7	4	2.5	0	1.9	5	2.9	0	5	2.4	3.2	1	3/4	1VL34 X 3/4		
PVL3458	3.15	1.7	4	2.5	0	1.9	5	2.9	0	5	2.4	3.2	1	5/8	1VL34 X 5/8		
PVL4012	3.75	2.3	4	3.1	0	2.4	5	3.4	0	6	2.7	4.1	1	1/2	1VL40 X 1/2		
PVL4034	3.75	2.3	4	3.1	0	2.4	5	3.4	0	6	2.7	4.1	1	3/4	1VL40 X 3/4		
PVL4058	3.75	2.3	4	3.1	0	2.4	5	3.4	0	6	2.7	4.1	1	5/8	1VL40 X 5/8		
PVL4078	3.75	2.3	4	3.1	0	2.4	5	3.4	0	6	2.7	4.1	1	7/8	1VL40 X 7/8		
PVL4412	4.15	2.7	4	3.5	0	2.8	5	3.8	0	6	3.1	4.1	1	1/2	1VL44 X 1/2		
PVL4434	4.15	2.7	4	3.5	0	2.8	5	3.8	0	6	3.1	4.1	1	3/4	1VL44 X 3/4		
PVL4458	4.15	2.7	4	3.5	0	2.8	5	3.8	0	6	3.1	4.1	1	5/8	1VL44 X 5/8		
PVL4478	4.15	2.7	4	3.5	0	2.8	5	3.8	0	6	3.1	4.1	1	7/8	1VL44 X 7/8		

PAL Pulleys For 4L Or A Belts

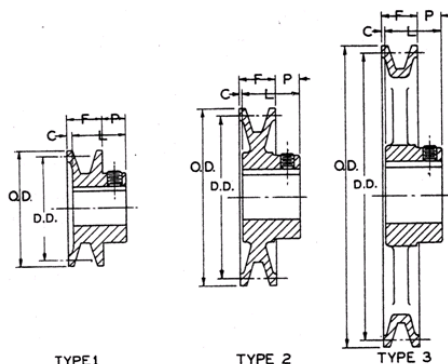


Bore Range (In.)	Keyway (In.)
1/2	None
5/8 - 7/8	3/16 x 3/32
1 5/16 - 1 1/4	1/4 x 1/8
1 7/16	3/8 x 3/16

Item ID	Diameter (In.)		Stock Bore (In.)	Dimensions (In.)			Replaces Browning
	O.D.	Pitch		F	P	L	
Packard							
PAL5434	4.93	4.78	3/4	19/32	15/32	1 1/16	AL5434
PAL5458	4.93	4.78	5/8	19/32	15/32	1 1/16	AL5458
PAL6434	5.93	5.78	3/4	19/32	15/32	1 1/16	AL6434
PAL6458	5.93	5.78	5/8	19/32	15/32	1 1/16	AL6458
PAL641	5.93	5.78	1	19/32	15/32	1 1/16	AL641
PAL7434	6.93	6.78	3/4	19/32	15/32	1 1/16	AL7434
PAL741	6.93	6.78	1	19/32	15/32	1 1/16	AL741
PAL8434	7.93	7.78	3/4	19/32	15/32	1 1/16	AL8434
PAL841	7.93	7.78	1	19/32	15/32	1 1/16	AL841
PAL9434	8.93	8.78	3/4	19/32	15/32	1 1/16	AL9434
PAL941	8.93	8.78	1	19/32	15/32	1 1/16	AL941
PAL1041	9.93	9.78	1	19/32	15/32	1 1/16	AL1041
PAL11434	10.93	10.78	3/4	19/32	15/32	1 1/16	AL11434
PAL1141	10.93	10.78	1	19/32	15/32	1 1/16	AL1141
PAL12434	11.93	11.78	3/4	19/32	15/32	1 1/16	AL12434
PAL1241	11.93	11.78	1	19/32	15/32	1 1/16	AL1241

• Do not use "A" Gripnotch Belt Ratings with "AL" or "AM" sheaves.

Single Groove Pulleys For 4L Or A Belts



Features

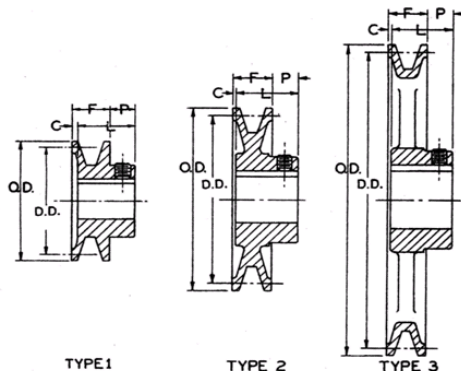
- PACKARD DRIVE "PAK" pulleys are accurately machined from grained cast iron, statically balanced, painted and individually packaged.
- Furnished with standard keyway and hollow head set screws.
- 3L belts may be used with these pulleys.

Bore Range (In.)	Keyway (In.)
1/2	None
5/8 - 7/8	3/16 x 3/32
1 5/16 - 1 1/4	1/4 x 1/8
1 7/16	3/8 x 3/16

Item ID	Diameter (In.)			Type	Stock Bore (In.)	F	Dimensions (In.)			Replaces Browning
	O.D.	Datum A	Pitch 3L				L	P	C	
Packard										
PAK1712	1.75	1.5	1.16	1	1/2	21/32	15/16	7/16	5/32	AK1712
PAK1758	1.75	1.5	1.16	1	5/8	21/32	15/16	7/16	5/32	AK1758
PAK2012	2	1.8	1.46	1	1/2	21/32	15/16	7/16	5/32	AK2012
PAK2058	2	1.8	1.46	1	5/8	21/32	15/16	7/16	5/32	AK2058
PAK2212	2.2	2	1.66	1	1/2	21/32	15/16	7/16	5/32	AK2212
PAK2258	2.2	2	1.66	1	5/8	21/32	15/16	7/16	5/32	AK2258
PAK2312	2.3	2.1	1.76	1	1/2	21/32	15/16	7/16	5/32	AK2312
PAK2358	2.3	2.1	1.76	1	5/8	21/32	15/16	7/16	5/32	AK2358
PAK2512	2.5	2.3	1.96	2	1/2	21/32	15/16	7/16	5/32	AK2512
PAK2558	2.5	2.3	1.96	2	5/8	21/32	15/16	7/16	5/32	AK2558
PAK2712	2.7	2.5	2.16	2	1/2	21/32	15/16	7/16	5/32	AK2712
PAK2758	2.7	2.5	2.16	2	5/8	21/32	15/16	7/16	5/32	AK2758
PAK3012	3.05	2.8	2.46	2	1/2	21/32	15/16	7/16	5/32	AK3012
PAK3058	3.05	2.8	2.46	2	5/8	21/32	15/16	7/16	5/32	AK3058
PAK3034	3.05	2.8	2.46	2	3/4	21/32	15/16	7/16	5/32	AK3034
PAK3412	3.45	3.2	2.86	2	1/2	21/32	15/16	7/16	5/32	AK3412
PAK3458	3.45	3.2	2.86	2	5/8	21/32	15/16	7/16	5/32	AK3458
PAK3478	3.45	3.2	2.86	2	7/8	21/32	15/16	7/16	5/32	AK3478
PAK3958	3.75	3.5	3.16	2	5/8	3/4	1 5/32	15/32	1/16	AK3958
PAK4158	3.95	3.7	3.36	2	5/8	3/4	1 5/32	15/32	1/16	AK4158
PAK4178	3.95	3.7	3.36	2	7/8	3/4	1 5/32	15/32	1/16	AK4178
PAK4458	4.25	4	3.66	3	5/8	3/4	1 5/32	15/32	1/16	AK4458
PAK4658	4.45	4.2	3.86	3	5/8	3/4	1 5/32	15/32	1/16	AK4658
PAK5158	4.95	4.7	4.36	3	5/8	3/4	1 5/32	15/32	1/16	AK5158
PAK5178	4.95	4.7	4.36	3	7/8	3/4	1 5/32	15/32	1/16	AK5178
PAK5634	5.45	5.2	4.86	3	3/4	3/4	1 5/32	15/32	1/16	AK5634
PAK5978	5.75	5.5	5.16	3	7/8	3/4	1 5/32	15/32	1/16	AK5978
PAK6158	5.95	5.7	5.36	3	5/8	3/4	1 5/32	15/32	1/16	AK6158
PAK8934	8.75	8.5	8.16	3	3/4	3/4	1 15/32	23/32	0	AK8934

• Do not use PAK sheaves with bores 1" and under with cogged belt ratings.

Single Groove Pulleys For 4L Or A Belts And 5L Or B Belts



Features

- PACKARD DRIVE “PBK” pulleys are accurately machined from grained cast iron, statically balanced, painted and individually packaged.
- Furnished with standard keyway and hollow head set screws.

Bore Range (In.)	Keyway (In.)
1/2	None
5/8 - 7/8	3/16 x 3/32
1 5/16 - 1 1/4	1/4 x 1/8
1 7/16	3/8 x 3/16

Item ID	O.D.	Diameter (In.) Datum A	Datum B	Type	Stock Bore (In.)	F	Dimensions (In.) L	P	C	Replaces Browning
Packard										
PBK2558	2.5	1.9	2.3	1	5/8	13/16	1 1/16	13/32	5/32	BK2558
PBK2758	2.7	2.1	2.5	2	5/8	13/16	1 1/16	13/32	5/32	BK2758
PBK2812	2.95	2.2	2.6	2	1/2	13/16	1 1/16	13/32	5/32	BK2812
PBK2858	2.95	2.2	2.6	2	5/8	13/16	1 1/16	13/32	5/32	BK2858
PBK2878	2.95	2.2	2.6	2	7/8	13/16	1 1/16	13/32	5/32	BK2878
PBK3012	3.15	2.4	2.8	2	1/2	13/16	1 1/16	13/32	5/32	BK3012
PBK3058	3.15	2.4	2.8	2	5/8	13/16	1 1/16	13/32	5/32	BK3058
PBK3258	3.35	2.6	3	2	5/8	13/16	1 1/16	13/32	5/32	BK3258
PBK3234	3.35	2.6	3	2	3/4	13/16	1 1/16	13/32	5/32	BK3234
PBK3278	3.35	2.6	3	2	7/8	13/16	1 1/16	13/32	5/32	BK3278
PBK3412	3.55	2.8	3.2	2	1/2	7/8	1 5/32	13/32	1/8	BK3412
PBK3458	3.55	2.8	3.2	2	5/8	7/8	1 5/32	13/32	1/8	BK3458
PBK3658	3.75	3	3.4	2	5/8	7/8	1 5/32	13/32	1/8	BK3658
PBK4058	3.95	3.2	3.6	2	5/8	7/8	1 5/32	13/32	1/8	BK4058
PBK4078	3.95	3.2	3.6	2	7/8	7/8	1 5/32	13/32	1/8	BK4078
PBK4758	4.45	3.7	4.1	2	5/8	7/8	1 5/32	13/32	1/8	BK4758
PBK5278	4.95	4.2	4.6	3	7/8	7/8	1 5/32	13/32	1/8	BK5278
PBK6058	5.75	5	5.4	3	5/8	7/8	1 5/32	13/32	1/8	BK6058
PBK6034	5.75	5	5.4	3	3/4	7/8	1 5/32	13/32	1/8	BK6034
PBK6078	5.75	5	5.4	3	7/8	7/8	1 5/32	13/32	1/8	BK6078
PBK6234	5.95	5.2	5.6	3	3/4	7/8	1 5/32	13/32	1/8	BK6234
PBK6534	6.25	5.5	5.9	3	3/4	7/8	1 5/32	13/32	1/8	BK6534
PBK7534	7.25	6.5	6.9	3	3/4	7/8	1 15/32	21/32	1/16	BK7534

• Do not use PBK sheaves with bores 1” and under with cogged belt ratings.

Stock “PH” Bushings



Stock Spline Bores

0.978 - 10 Inv

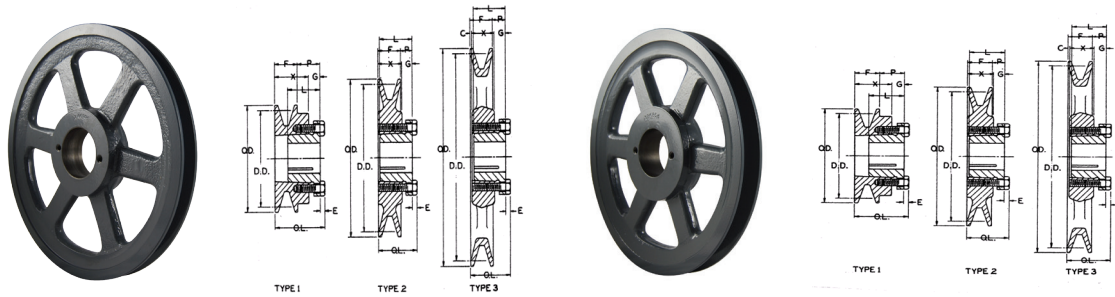
1 1/8 - 6B

1 3/8 - 6B

1 3/8 - 21 Inv

Item ID	Stock Bore (In.)	Key Way
Packard		
PH12	1/2	1/8 x 1/16
PH58	5/8	3/16 x 3/32
PH34	3/4	3/16 x 3/32
PH1316	13/16	3/16 x 3/32
PH78	7/8	3/16 x 3/32
PH1	1	1/4 x 1/8
PH118	1 1/8	1/4 x 1/8
PH114	1 1/4	1/4 x 1/16
PH138	1 3/8	5/16 x 1/16

Single Groove Pulleys



Features

- 3L belts may be used with these pulleys.

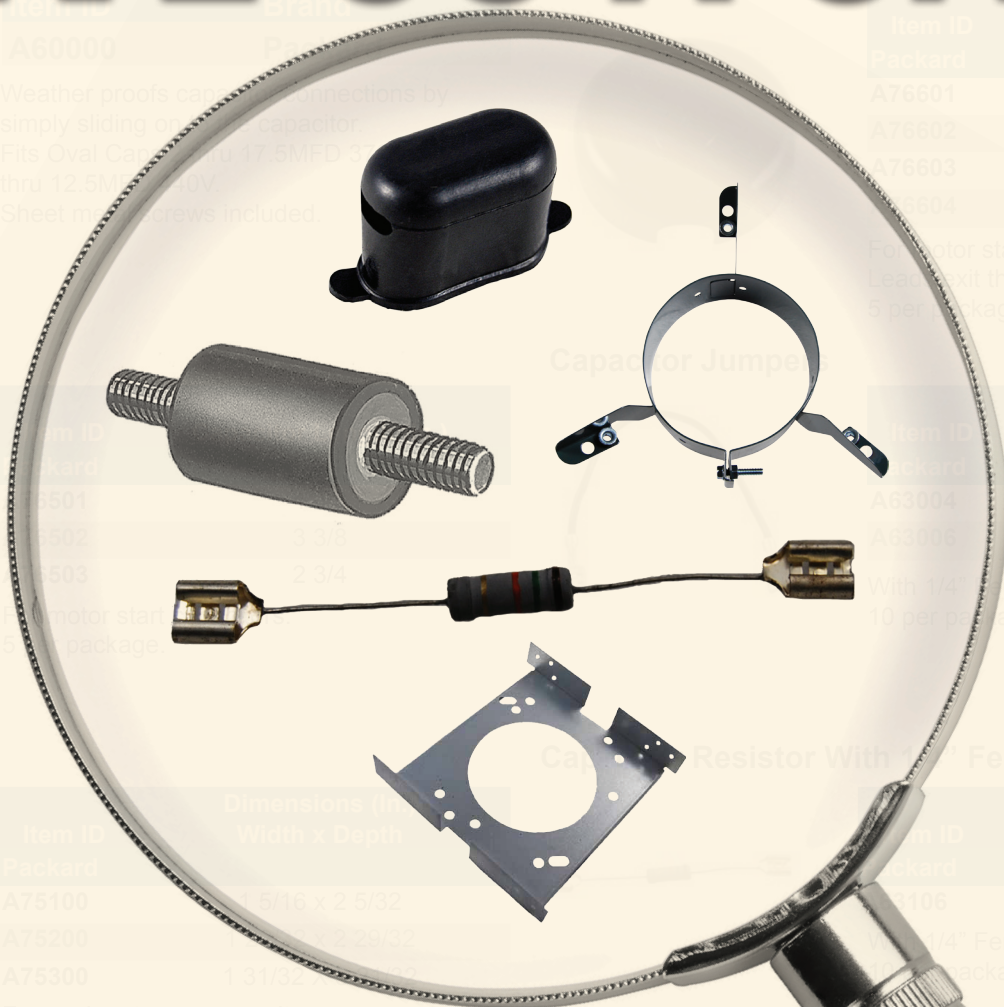
PAKH Series

PBKH Series

Item ID	Diameter (In.)				Dimensions (In.)								Replaces Browning
	O.D.	Datum A	Pitch 3L	Type	O.L.	F	L	P	C	X	G	E	
Packard Single Groove Pulleys For 4L Or A Belts													
PAK30H	3.05	2.8	2.46	1	1 13/16	3/4	1 1/4	7/8	—	1 3/16	7/16	3/16	AK30H
PAK39H	3.75	3.5	3.16	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK39H
PAK41H	3.95	3.7	3.36	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK41H
PAK44H	4.25	4	3.66	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK44H
PAK49H	4.75	4.5	4.16	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK49H
PAK51H	4.95	4.7	4.36	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK51H
PAK54H	5.25	5	4.66	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK54H
PAK56H	5.45	5.2	4.86	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK56H
PAK59H	5.75	5.5	5.16	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK59H
PAK61H	5.95	5.7	5.36	3	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK61H
PAK64H	6.25	6	5.66	3	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK64H
PAK66H	6.45	6.2	5.86	3	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK66H
PAK71H	6.95	6.7	6.36	3	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK71H
PAK74H	7.25	7	6.66	3	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK74H
PAK79H	7.75	7.5	7.16	3	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK79H
PAK84H	8.25	8	7.66	3	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK84H
PAK114H	11.25	11	10.66	3	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK114H
PAK124H	12.25	12	11.66	3	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK124H

Item ID	Diameter (In.)				Type	Dimensions (In.)								Replaces Browning
	O.D.	Datum A	Datum B	O.L.		F	L	P	C	X	G	E		
Packard Single Groove Pulleys For 4L Or A Belts And 5L Or B Belts														
PBK30H	3.15	2.4	2.8	1	1 15/16	7/8	1 1/4	7/8	—	1 5/16	7/16	3/16	BK30H	
PBK32H	3.35	2.6	3	1	1 15/16	7/8	1 1/4	7/8	—	1 5/16	7/16	3/16	BK32H	
PBK34H	3.55	2.8	3.2	1	1 15/16	7/8	1 1/4	7/16	—	1 5/16	7/16	3/16	BK34H	
PBK36H	3.75	3	3.4	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK36H	
PBK40H	3.95	3.2	3.6	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK40H	
PBK45H	4.25	3.5	3.9	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK45H	
PBK47H	4.45	3.7	4.1	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK47H	
PBK50H	4.75	4	4.4	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK50H	
PBK52H	4.95	4.2	4.6	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK52H	
PBK55H	5.25	4.5	4.9	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK55H	
PBK57H	5.45	4.7	5.1	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK57H	
PBK60H	5.75	5	5.4	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK60H	
PBK62H	5.95	5.2	5.6	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK62H	
PBK65H	6.25	5.5	5.9	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK65H	
PBK67H	6.45	5.7	6.1	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK67H	
PBK70H	6.75	6	6.4	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK70H	
PBK72H	6.95	6.2	6.6	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK72H	
PBK75H	7.25	6.5	6.9	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK75H	
PBK77H	7.45	6.7	7.1	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK77H	
PBK80H	7.75	7	7.4	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK80H	
PBK85H	8.25	7.5	7.9	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK85H	
PBK90H	8.75	8	8.4	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK90H	
PBK100H	9.75	9	9.4	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK100H	
PBK120H	11.75	11	11.4	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK120H	
PBK130H	12.75	12	12.4	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK130H	
PBK140H	13.75	13	13.4	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK140H	
PBK150H	14.75	14	14.4	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK150H	
PBK160H	15.75	15	15.4	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK160H	

CAN'T FIND WHAT YOU NEED? GIVE US A CALL



**We have the parts to complete the purchase
so your customers can complete the repair.
In fact, we have thousands of accessories
for your motors, capacitors, fan blades and
blower wheels in stock and ready to ship.**

Motor Pump Seals



Head Type - A



Head Type - B



Head Type - C



Head Type - D



Mating Ring - 1

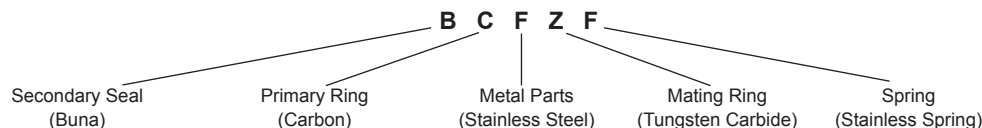


Mating Ring - 3

SECONDARY SEALS	PRIMARY RINGS	METAL PARTS	MATING RINGS	SPRINGS
B. Buna	A. Bronze	D. Brass	A. Bronze	E. Monel®
N. Neoprene	C. Carbon	E. Monel®	G. Cast Iron	F. Stainless Steel
Q. EPR	H. Glass Filled PTFE	F. Stainless Steel	J. Ceramic	P. Plated Steel
T. PTFE	L. Silicon Carbide	P. Plated Steel	K. Ni-Resist	
V. Viton®	M. Molded Plastic		L. Silicon Carbide	
X. AFLAS®	R. Silicon Carbide (CVR)		O. Stellite	
Y. Kalrez®	S. Tool Steel		S. Tool Steel	
	Z. Tungsten Carbide		Z. Tungsten Carbide	

Features

- Self aligning
- Completely assembled for easy installation
- Exceptionally broad application range
- Wide temperature range
- Low, medium or high pressure applications
- Available for standard or limited gland depths
- Automatic compensation for mating ring wear and shaft end play



AFLAS® is a registered trademark of Asahi Glass Co., Ltd.
 Kalrez® is a registered trademark of DuPont Performance Elastomers, LLC
 Viton® is a registered trademark of DuPont Performance Elastomers, LLC
 Monel® is a registered trademark of Special Metals Corporation

Material Code

Item ID	Seal Size	Head Type	Mating Ring	Material Code
U.S. Seal MFG.				
PS101	3/4	A	1	BMFJF
PS201	3/4	A	1	BMFJF
PS201VCMS	3/4	A	1	VCFJF
PS358V	3/4	C	3	VCFJF
PS100	5/8	A	1	BMFJF
PS200	5/8	A	1	BMFJF
PS100VCMS	5/8	A	1	VCFJF
PS200VCMS	5/8	A	1	VCFJF
PS2131	5/8	A	3	BMFJF
PS1000	5/8	B	1	BMFJF
PS359	5/8	C	1	BCFJF
PS290	5/8	C	1	BCFJF
PS359VCMS	5/8	C	1	VCFJF
PS800	5/8	C	1	BMFJF
PS359V	5/8	C	3	VCFJF
PS508	5/8	D	1	BCDJF
PS508V	5/8	D	3	VCDJF
PS357	1	C	1	BCFKF
PS235V	1	C	3	VCFJF
PS356	1 1/8	C	1	BCFJF
PS356V	1 1/8	C	3	VCFJF
PS355V	1 1/8	C	3	VCFKF
PS185	1 1/4	C	1	BCFJF
PS979	1 1/4	C	1	BCFKF
PS978	1 1/4	C	1	BCFJF
PS978V	1 1/4	C	1	VCFJF
PS185VCMS	1 1/4	C	1	VCFJF
PS1109	1 1/4	C	3	BCFKF
PS381	1 1/4	D	1	BCFJF
PS758	1 1/2	C	1	BCFJF
PS659V	1 1/2	C	3	VCFKF



Conduit Box with Adjustable Bracket

Item ID	Frame
TACBB1	For use on 48 & 42 Frame Motors



Flex Mount Brackets

Item ID	Diameter (In.)
TFM50	5
TFM55	5 5/8



Four Leg Torsion Flex Mount Bracket

Item ID	Diameter (In.)
TFM554	5 5/8



Flex Mount Bracket Adjustable Diameter

Item ID	Diameter (In.)
TFM556	5 - 5 5/8

Plastic insert allows you to adjust for 5" or 5.5" diameter.



Mounting Brackets

Item ID	Diameter (In.)	Frame
A60042	5	42
A60048	5 5/8	48

Kit includes: steel bracket with 3 welded legs, 3 steel sleeves, & 3 sets of rubber grommets.



Mounting Brackets

Item ID	Diameter (In.)	Bolt Circle
A80293	5.5	6 7/8 - 8 1/8
A80295	5.5	8 1/8 - 12 1/8
KIT50L	4.4 & 5	6 1/2 - 11 1/2
KIT55L	5.5	8 1/8 - 12 1/8



Universal Lug Mounting Bracket

Item ID	Diameter (In.)
1410A	5 5/8

Two mounting options. Small slots accepts 1/4" bolt. Large hole accepts 3/4" Rubber Grommet Kit (A60049K).



Morrill Unit Bearing Mounting Bracket

Item ID	Shaft Height (In.)
A11601	4 1/8
A11602	4 9/16
A11603	5 3/8
A11605	6 1/4



RHEEM Motor Mounting Bracket

Item ID	Brand
A60306K	Packard

Used on RHEEM condensing units.



RHEEM FLEX Mounting Bracket

Item ID	Brand
A61698K	Packard

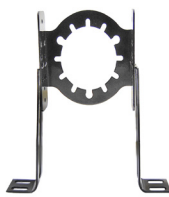
Kit includes 4 brackets and 8 screws.



Mounting Kit

Item ID	Brand
KIT200	Fasco

Holes for 4.4" and 5.6" diameter motors. One kit will adapt both ends of motor for base mounting.



Unit Bearing Motor Bracket

Item ID	Brand
A68004	Packard

Bracket for unit bearing motors.



Condenser Fan Rainshield

Item ID	Bore Dia.	O.D.
A61000	1/2	6.88
A61056	5/8	6.88



Condenser Fan Rainshield Deep Dish Style

Item ID	Bore Dia.	O.D.
A80105	1/2	7



Rainshields - Plastic Deep Dish Style

Item ID	Bore Dia.	O.D.
1411A	1/2	7
1412A	5/8	7



Shaft Adapters

Item ID	I.D.	O.D.	Length
A80427K	1/4	5/16	1.00
A80513K	5/16	3/8	1.00
A80082K	3/8	1/2	1.00
A60097K *	1/2	5/8	1.50

5 per package.
* Split bushing with key.



Shaft Extension Kits

Item ID	Diameter	Length
A61308K	1/4"	4 1/2"
A61310K	5/16"	4 1/2"
A61475K	1/2"	4 1/2"

Includes shaft coupler & shaft.



Shaft Adapter

Item ID	I.D. (in.)	Length (in.)
A60098	1/4	1

Used on unit bearing motors.



Shafts
1018 Cold Rolled Steel
Ground and Polished

Item ID	Diameter (In.)	Length (In.)
S38220501	5/8	20
S38209601	3/4	20
S38269301	3/4	35
S38209501	1	25
S38249201	1	35



Rubber Grommet Kit

Item ID	Brand
A60049K	Packard
Used for 3/4 inch slots. Sheet metal screws and sleeves included. 3 per package.	



Rubber Grommet Kit

Item ID	Brand
A60047K	Packard
Used for 1/2 inch slots. 6 per package.	



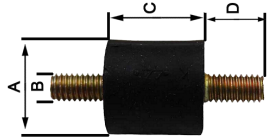
Mounting Rings

Item ID	Hub Ring Diameter (in.)
1220A	2 1/4
1182A	2 1/2
1255A	1 3/4



Rubber Vibration Insulator

Item ID	Stud Dimensions (in.)
A61519K	3/8 x 8-32 x 3/8
Used on Coleman motors. Four per package. 4 per package.	



Rubber Vibration Insulators

Item ID	Dimension (in.)			
	A	B	C	D
A67804K	1	5/16	1	5/8
A67805K	1	1/4	3/4	1/2



Rheem Mounting Cables

Item ID	Length (in.)	For Motor H.P.
A60325K	3 1/4	1/6
A60350K	3 1/2	1/4
A60378K	3 7/8	1/3
4 per package.		



Conduit Box

Item ID	Motor Diameter (in.)
KIT142	3.3
KIT144	4.4-5.0-5.6
For universal design motors with conduit connector holes only.	



Conduit Kit

Item ID	Brand
A60102	Packard
3/8" Conduit Connector Allen Stevens type, complete with mounting screws. Packaged three per kit.	



Conduit Fitting

Item ID	Brand
1202A	Century
For 4 5/16" diameter motors	



90 Degree Plug And Cord

Item ID	Length (in.)
PLUG018	25
Used with unit bearing motors: plug and cord assembly UL Recognized	



Straight Plug And Cord

Item ID	Length (in.)
PLUG119	25
Used with unit bearing motors: plug and cord assembly UL Recognized	



Anti-Wind Brakes

Item ID	Diameter (in.)
A60012	1/2
A60058	5/8
Used to stop wind milling of rooftop motors.	



Pitch Gauge

Item ID	Brand
PG5099801	Packard
To aid in determining pitch of the fan blade.	



Fan Blade & Blower Wheel Puller

Item ID	Brand
A89000	Packard



Hubs With Set & Mtg Screws

Item ID	Bore	Set Screws
H60765801	1/4"	1
H60765803	3/8"	1
H60765804	1/2"	2
H60765805	5/8"	2
H60765806	3/4"	2



Capacitor Mounting Kit

Item ID	Brand
A60010	Packard
Bracket dimension: 2 1/8" x 1 1/4" Cover dimension: 1 5/8"	



Cap Guard

Item ID	Brand
A60000	Packard
Weather proofs capacitor connections by simply sliding on to the capacitor. Fits oval caps 2 thru 17.5MFD 370V and 2 thru 12.5MFD 440V. Sheet metal screws included.	



Capacitor Brackets

Item ID	Capacitor Length (in.)
A76501	4 3/8
A76502	3 3/8
A76503	2 3/4
For motor start capacitors. 5 per package.	



Capacitor Brackets

Item ID	Diameter (in.)
A75400	1 3/4
A75500	2
A75600	2 1/2
For round motor run capacitors 5 per package.	



Capacitor Brackets

Item ID	Dimensions (in.) Width x Depth
A75100	1 5/16 x 2 5/32
A75200	1 29/32 x 2 29/32
A75300	1 31/32 x 3 21/32
For oval motor run capacitors. 5 per package.	



Capacitor End Caps - Top Lead Hole

Item ID	Diameter (In.)
A76611	1 7/16
A76612	1 13/16
A76613	2 1/16
A76614	2 9/16

For motor start capacitors. Leads exit through bracket. 5 per package.



Capacitor End Caps - Bottom Lead Hole

Item ID	Diameter (In.)
A76601	1 7/16
A76602	1 13/16
A76603	2 1/16
A76604	2 9/16

For motor start capacitors. Leads exit opposite bracket. 5 per package.



Capacitor Jumpers

Item ID	Length (In.)
A63004	4
A63006	6

With 1/4" female terminals. 10 per package.



Capacitor Resistor
With 1/4" Female Terminals

Item ID	OHMS	Watts
A63106	15000	2

With 1/4" Female Terminals. 10 per package.



Capacitor Resistor

Item ID	OHMS	Watts
A63105	15000	2

10 per package.



Rubber Boots

(Lead Protectors For Motor Run Capacitors)

Item ID	Hole Location
A76000	1 Hole on End
A76001	1 Hole on Top
A76002	2 Hole on Top
A76003	3 Hole on Side

5 per package.



Item ID Description

- CT1 Digital Capacitor Tester
- Range 2 MFD to 2000 MFD
- Accuracy ±5%
- Color coded test leads
- Insulated rubber casing
- 9 Volt battery included
- Fuse protected



Hex Bit

Item ID	Length (In.)
PHB316	3/16



Ratchet Wrenches

Item ID	Square Size (In.)
PRW516	1/4-3/8-3-16-5/16



Fin Comb

Item ID	Brand
PFC550	Packard

Reversible. 4 sizes per wrench.



ECM Motor Tester

Item ID	Brand
GA447	FASCO

NEW



NEW

Sand Screen

Used in preparation for brazing, soldering and epoxy repairs.

Item ID	Roll Size
A52005	1 1/2" x 5 Yards
A52008	1 1/2" x 2 Yards
A52010	1 1/2" x 10 Yards
A52025	1 1/2" x 25 Yards



Heat Gun

- 120 Volt AC • 12 Amps • 4 tips included
- Double insulated • UL listed
- Low setting 750 Watts
- High setting 1500 Watts

Item ID	Brand
HG1000	Packard

PACKARD
PICK



Fasco Bases

NEW

NOTE: The base numbering system uses the first two numbers to indicate shaft height (30 is 3.0" and 35 is 3.5") and the last three numbers represent distance between cradle arms (386 is 3.86" etc.). Example: B35417 has a 3.5" shaft height and 4.17" cradle base. To achieve the shaft height listed, the 2 1/2" diameter rings must be used.

Cradle Base "B" Dimension	3.54	3.86	4.08	4.17	4.35	4.61	4.79	4.92	5.17	5.42	5.58	5.95	7.05
3" Shaft Height	B30354	B30386	B30408	B30417	B30435	B30461	B30479	B30492	B30517	B30542	B30558	B30595	B30705
3 1/2" Shaft Height	B35354	B35386	B35408	—	B35435	B35461	B35479	B35492	B35517	B35542	B35558	B35595	B35705

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Motor Data Request Form

*** REQUIRED**

Company/Acct#

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Contact/Branch Location

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Phone/Email

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Motor Application

(EX. Blower, Evaporator, Condensing Fan, Ventilation Fan)

*

Manufacturer

*

Model#

*

Serial #

Horsepower

*

Voltage, Hertz and Phase

(EX. 208/230V 60Hz 1PH, 220/240V 50Hz 3PH)

*

RPM

*

AMPS

*

Speed Taps

Frame

Enclosure

Shaft Dimension

*

Mounting Type

*

Bearing Type

Capacitor Rating

What equipment did it come out of?

(EX. Home refrig., Restaurant side-by-side refrig., Residential cond. unit,
Refrig. condensing unit)

*

Notes:

DATA REQUEST FORM

FlatPlate Data Request From

Confidential:

To obtain a quotation for your replacement product, give as much data as possible and e-mail/fax the completed questionnaire to Packard. Fax 770-427-5140, email customerservice@packardonline.com

Company	_____	Contact:	_____
Address	_____	Title:	_____
Address	_____	Phone:	_____
City	_____	Fax:	_____
State, Zip	_____	Email:	_____

Application Data (MUST SUPPLY AT LEAST 5)	Hot Side	Cold Side
Name of Fluid		
Rate of Flow (GPM)		
Inlet Temperature (specify if °C) (°F)		
Outlet Temperature (specify if °C) (°F)		
Maximum permissible pressure drop (PSI)		
Design pressure/Design Temperature (PSI/ °F)		
Maximum working pressure (PSI)		
Special Fluid Data:		
Density or Specific gravity (required)		
Specific heat at mean temperature		
Thermal conductivity at mean temperature		
Viscosity at inlet temperature		
Viscosity at outlet temperature		
Percent of undissolved solids		
Nature of solids (i.e. fibrous, powder, size)		
Flow fluctuations, if any		

Preferred Plate Material (REQUIRED):	☐ 304 SS	☐ 316 SS	☐ Titanium	☐ Other:
Preferred Gasket Material:	☐ NBR	☐ Viton	☐ EPDM	☐ Other:
Certification:	☐ ASME	☐ CRN	☐ ARI400	☐ Other:
Product:	☐ GPHE	☐ GEABloc	☐ GEABox	☐ GEAShell ☐ BPHE:

Comments:

Compressor/Condensing Unit Data Request From

***REQUIRED**

Company/Acct#	*
Contact/Branch Location	*
Phone/Email	*
Compressor/Condenser	*
Manufacturer:	
Model#	*
Serial #	
Code/BOM#	
Voltage, Hertz and Phase (EX. 208/230V 60Hz 1PH, 220/240V 50Hz 3PH)	*
Current Refrigerant	*
Alternative Refrigerant (If changing refrigerant)	
Box Temperature (Low -10°F/0°F, Med 30°F/35°F, High 55°F +)	*
OR	
Evaporator Temperature (Low -20°F/-10°F, Med 20°F/25°F, High 45°F +)	
What equipment did it come out of? (EX. Home refrig., Restaurant side-by-side refrig., Residential cond. unit, Refrig. condensing unit)	*

Notes:

TERMS AND PROCEDURES

Aftermarket Terms and Conditions

1. Prices are those in effect at time of shipment. Prices are subject to change without notice.
2. Minimum order requirement is \$25.00.
3. All shipments are F.O.B. shipping point.
4. Wholesale single release orders of \$2000.00 or more receive prepaid freight to the first destination within the continental U.S. Method of shipment is at the discretion of Packard. Orders less than \$2000.00 will be shipped freight prepaid with the freight charge added to the invoice. If the customer specifies the carrier on a charge freight order, the order will be shipped freight collect.
5. Air shipment or other premium shipping method may be requested at the customer's expense.
6. Claims for shortages and damages must be reported within five business days following the date of delivery. Shortages and/or other visible damages to the exterior packaging must also be noted on the bill of lading. Claims are subject to count/inspection. Damaged product is to be kept for 90 days after claim is reported unless otherwise directed by Packard.
7. Terms: Net 30 to all customers having approved credit standing.
8. Return authorization must be obtained from Packard by the wholesaler before returning any products. Merchandise cannot be returned without a return authorization form.
9. Returnable items will receive a 20% - 50% restocking charge, depending on manufacturer. Customer pays return freight. All returns must be within 30 days from date of shipment and be new, in original packaging, clean and unmarked. Non-stock specialty items are not returnable.
10. Possession of this catalog does not constitute an offer to sell.

Warranty Procedures

1. All items sold by Packard, Inc. are warranted against defects in workmanship or materials under normal use for a period of one (1) year. No warranty is made as to the fitness of vendor's products for a particular purpose. Buyer acknowledges that it alone has determined that the goods purchased will suitably meet the requirements of their intended use. In no event will Packard be liable for consequential, incidental or other damages.
2. Motors and products other than compressors* are covered for up to a maximum of two (2) years from the manufacturer's date code on the product or one year after installation, whichever comes first.
3. For all products except compressors and FlatPlate heat exchangers, please MAIL the original nameplate (label or sticker) for each item. Copies of labels will NOT be accepted. Please do NOT fax or email labels!
4. In the event Packard or the manufacturer requires evaluation of warranty items, Packard will issue a return authorization form. Do not return warranty items unless requested. All FlatPlate heat exchangers must be returned to Packard for proper credit, so please call for return authorization.
5. A reason for failure MUST be provided for each item on the warranty claim.
6. Credits are NOT to be taken by customer until merchandise or original nameplate has been received by Packard, Inc. and credit is issued.
7. Credit will be issued upon verification of purchase history for ORIGINAL labels dated within manufacturing date code requirements.
8. Do not field scrap products until credit has been issued.

*For compressors (Danfoss, Embraco or Bristol), please contact Packard, Inc. Warranty Department for further instructions.

NOTES

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

CREDIT APPLICATION FORM

Customer Number:



Credit Application Business Account

Packard, Inc.
1925 Shiloh Rd Bldg 2
Kennesaw, GA 30144
Phone: 770.427.5765
Fax: 770.427.5140
customerservice@packardonline.com

BUSINESS CONTACT INFORMATION

Contact Name:		Title:	
Company Name:		Buying Group:	
Phone:	Fax:	E-mail:	
Physical Address:			
City:		State:	Zip Code:
Mailing Address:(If Different)			
City:		State:	Zip Code:
Shipping Address:(If Different)			
City:		State:	Zip Code:
Type of Business:		Date Business Commenced:	
☐ Sole Proprietorship:	☐ Partnership:	☐ Corporation:	☐ Other:
Purchasing Agent:		Email Address:	
Payables Contact:		Email Address:	
Sales Tax Exemption Number:		<i>(Please attach a copy of the Certificate)</i>	

BANK INFORMATION

Bank Name:		Contact:
Phone:	Fax:	Email:
Checking Account Number:		Savings Account Number:

BUSINESS/TRADE REFERENCES

Company Name:		
Address:		
City:	State:	Zip Code:
Phone:	Fax:	E-mail:
Type of Account:		
Company Name:		
Address:		
City:	State:	Zip Code:
Phone:	Fax:	E-mail:
Type of Account:		
Company Name:		
Address:		
City:	State:	Zip Code:
Phone:	Fax:	E-mail:
Type of Account:		

AGREEMENT

SHOULD YOU APPROVE THIS APPLICATION, I (WE) AGREE TO PAY FOR ALL GOODS PURCHASED WITHIN THE GIVEN NET 30 DAY TERMS ON EACH INVOICE. PACKARD INC. IS AUTHORIZED TO CONTACT ANY REFERENCES OR BANKS LISTED ABOVE. IT IS UNDERSTOOD THAT ANY INFORMATION SO OBTAINED WILL BE USED SOLELY FOR GRANTING CREDIT. SERVICE CHARGES AT THE HIGHEST RATE PERMITTED BY STATE LAW WILL BE APPLIED TO PAST DUE ACCOUNTS.

SIGNATURES

Title:	Title:
Date:	Date:

**Please email application and attachments to customerservice@packardonline.com.*





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“ Packard’s **QUALITY PRODUCTS** are essential for Wittichen Supply to provide the **BEST SOLUTIONS** for our customers. Packard’s service and support are second to none. ”

- Chip Riddlesperger | Wittichen Supply Company

WORDS SPEAK VOLUMES

Service, Selection, Satisfaction

THROUGH THE VOICES OF OUR CUSTOMERS

“ Packard’s training and support personnel are exceptional. I am always amazed at the **VAST KNOWLEDGE** of products and market share within their marketplaces. Packard has a simple user friendly product and website that is backed by **OUTSTANDING SUPPORT!** ”

- Jenny Hodson | Gustave A. Larson, East Central Brand Manager



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