

embraco

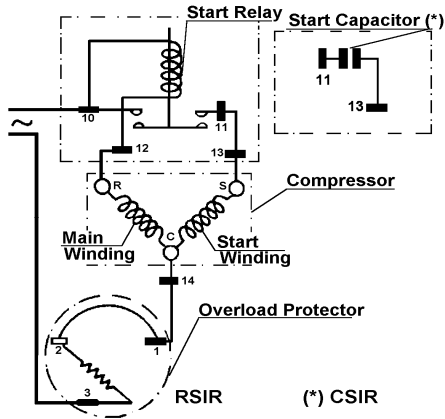
FF11.5BK

LBP-MBP-HBP

115 V

Blend

Wiring Diagram



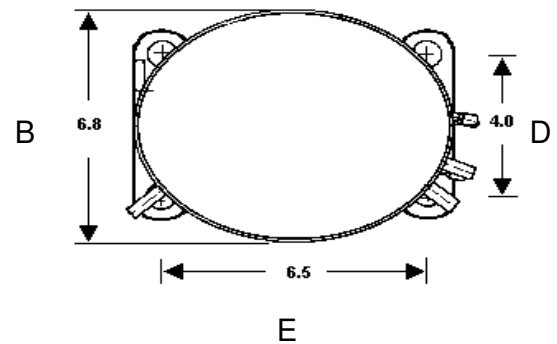
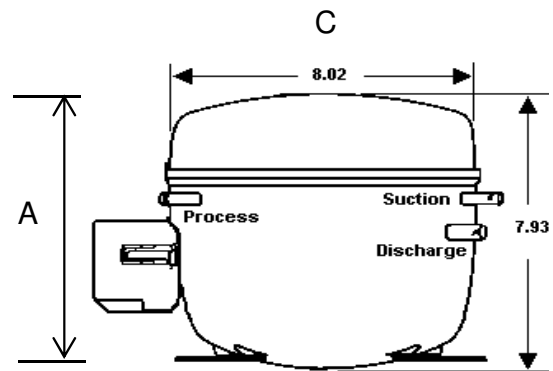
Compressor Terminals

- C = Common
- R = Run
- S = Start

Electrical components are supplied unassembled. Use of components other than specified will void warranty.

Dimensions (inches)

A:7.93" B: 6.8" C: 8.02" D: 4.0" E: 6.5"




Tube Diameter

ID	Inch	MM
process	.255	6.5
suction	.325	8.3
discharge	.255	6.5

Technical Specifications

Rev 6-2013

Mechanical Data	English	Metric	Electrical Data	
Bore	1.0 in	26 mm	Motor: 2 pole - 1 phase	RSIR/CSIR
Stroke	0.8 in	21 mm	Voltage	115v / 60 Hz
Displacement	0.68 cu in	11.14 cc	Voltage range	103-140v
Speed	3,500 rpm	3,500 rpm	Run winding resistance at 25° C	1.23 Ω
Weight	25.13 lb	11.4 kg	Start winding resistance at 25° C	6.03 Ω
Oil Charge	9.47 oz.	280 ml	Locked rotor current	40 amps
Oil type	Alkylbenzene	ISO32	FLA: L/MBP-60Hz	5 amps
Compressor Cooling:			FLA: HBP-60Hz	6.2 amps
Fan Cooled by forced draft over shell with 6 watt minimum fan.				
Restrictor:			Capacitor:	
Capillary Tube			*Start cap	460-552 mfd
*Optional, must use correct relay			Run cap	N/A
				110V
				N/A

	FF11.5BK	LBP-MBP-HBP	115 V	Blend
Specifications			Usage	
Approximate H. P.	1/3		Drinking Water Coolers	
Starting Torque	Normal		Dehumidifiers	
Refrigerant	Blend		Ice Machines	
Evaporator Temperature	Low/Med/High		Reach In Refrigerators	
Evaporator Temperature	-31° to 59°F		Beer Coolers	

LBP Performance					
Temperature °F	-22	-10	5	14	32
Capacity BTU/Hr	853	1,130	1,657	2,077	3,110
Power W	268	296	355	400	505
Current Amps	4.03	4.26	4.68	5	5.73
Temperature °C	-30	-23.3	-15	-10	0
Capacity Kcal/Hr	215	285	418	524	784
HBP Performance					
Temperature °F	14	23	32	45	50
Capacity BTU/Hr	2,077	2,564	3,110	4,000	4,359
Power W	400	451	505	584	618
Current Amps	5	5.35	5.73	6.3	6.56
Temperature °C	-10	-5	0	7.2	10
Capacity Kcal/Hr	524	646	784	1,008	1,098
LBP Rating	ASHRAE	Rating Point (bolded above)	HBP Rating	ASHRAE	
Condensing	130°F		Condensing	130°F	
Evaporator	-10°F		Evaporator	45°F	
Return Gas	90°F		Return Gas	95°F	
Ambient	90°F		Ambient	95°F	
Liquid Temp.	90°F		Liquid Temp.	115°F	

Material	Part number	Description	Compressor Cross Ref.	
Compressor	513200418	FF11.5BK	Model	Appl.
Relay	513506260	For use on RSIR applications	AEA3440AXA	HBP, LST
Relay	513506279	For use on CSIR applications		
*Overload	13554277	MRT 20AKN-5590		
**Start Cap	513556533	460-552 mfd / 110v		
Grommet	2221003			
Sleeve	2222015			
*Included in relay kit				
**Start Cap optional, must use correct relay				

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