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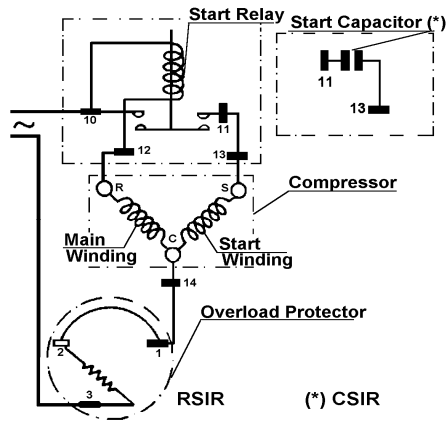
FF10BX

LBP-MBP-HBP

115 V

Blend

Wiring Diagram



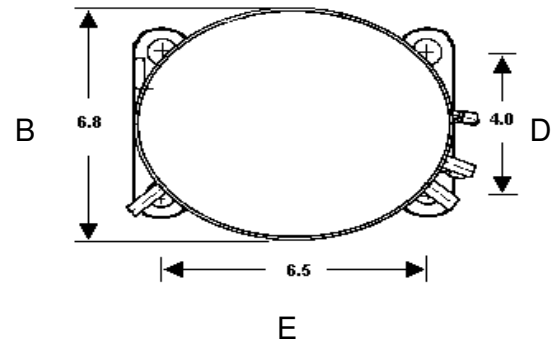
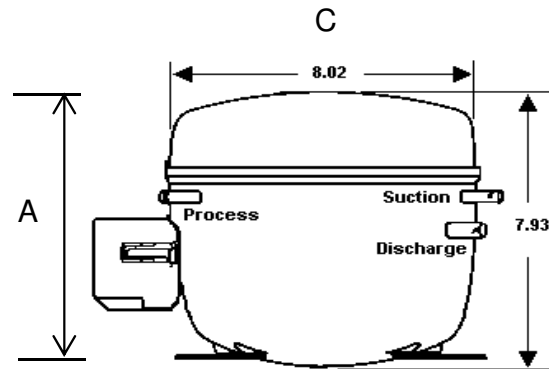
Compressor Terminals

- 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	.256	6.5
suction	.323	8.2
discharge	.256	6.5

Technical Specifications

Rev 6-2013

Mechanical Data	English	Metric	Electrical Data	
Bore	0.93 in	24 mm	Motor: 2 pole - 1 phase	CSIR
Stroke	0.78 in	20 mm	Voltage	115v / 60 Hz
Displacement	0.55 cu in	9.04 cc	Voltage range	103-135V
Speed	3,500 rpm	3,500 rpm	Run winding resistance at 25° C	1.59 Ω
Weight	23.46 lb	10.64 kg	Start winding resistance at 25° C	4.86 Ω
Oil Charge	9.47 oz.	280 ml	Locked rotor current	32 Amps
Oil type	Alkylbenzene	ISO32	FLA: L/MBP-60Hz	5.5 amps
Compressor Cooling: Static Fan cooled by forced draft over shell with 6 watt minimum fan.				
Restrictor: Capillary Tube			Capacitor: Start Cap 270-324 mfd 165V Run Cap N/A	

	FF10BX	LBP-MBP-HBP	115 V	Blend
Specifications			Usage	
Approximate H. P.	1/4+		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	23
Capacity BTU/Hr	635	915	1,328	1,644	2,012
Power W	222	265	316	350	385
Current Amps	3.55	3.75	4.05	4.28	4.53
Temperature °C	-30	-23.3	-15	-10	-5
Capacity Kcal/Hr	160	231	335	414	507
HBP Performance					
Temperature °F	14	23	32	45	50
Capacity BTU/Hr	1,644	2,012	2,442	3,200	3,510
Power W	350	385	422	480	502
Current Amps	4.28	4.53	4.82	5.30	5.49
Temperature °C	-10	-5	0	7.2	10
Capacity Kcal/Hr	414	507	615	806	884
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	513200086	FF10BX	Model	Appl.
Relay	513506455		AEA3430AXA	HBP, LST
*Overload	13554439	MRT 16AHK-5590	AEA4430AXA	HBP, HST
Start Cap	513556529	270-324 mfd / 165V		
Grommet	2221003			
Sleeve	2222015			
*Included in relay kit				

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