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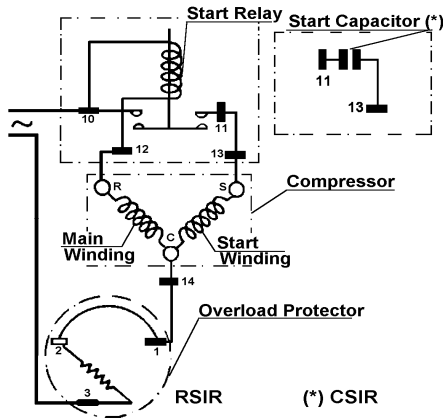
FF10BK

LBP/MBP/HBP

115 V

Blend

Wiring Diagram



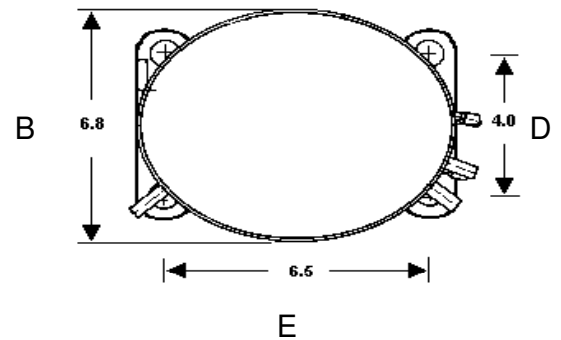
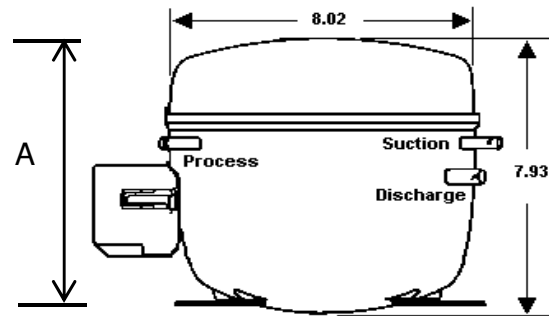
Compressor Terminals

- 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 5-2013

Mechanical Data	English	Metric	Electrical Data	
Bore	0.945 in	24 mm	Motor: 2 pole - 1 phase	RSIR/CSIR
Stroke	0.787 in	20 mm	Voltage	115v / 60 Hz
Displacement	0.55 cu in	9.05 cc	Voltage range	103-135v
Speed	3,500 rpm	3,500 rpm	Run winding resistance at 25° C	1.72 Ω
Weight	23.68 lb	10.7 kg	Start winding resistance at 25° C	6.65 Ω
Oil Charge	9.47 oz.	280 ml	Locked rotor current	34 amps
Oil type	Alkylbenzene	ISO32	FLA: L/MBP-60Hz	5.3 amps
Compressor Cooling: Static. Fan Cooled by forced draft over shell with 6 watt minimum fan.				
Restrictor: Capillary Tube			Capacitor:	
*Optional, must use correct relay.			*Start cap	460-552 mfd
			Run cap	N/A
				110V
				N/A

	FF10BK	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	32
Capacity BTU/Hr	640	915	1,337	1,657	2,473
Power W	219	256	308	342	417
Current Amps	3.02	3.25	3.62	3.87	4.48
Temperature °C	-30	-23.3	-15	-10	0
Capacity Kcal/Hr	161	231	337	418	623
HBP Performance					
Temperature °F	14	23	32	45	50
Capacity BTU/Hr	1,657	2,034	2,473	3,240	3,570
Power W	342	378	417	481	506
Current Amps	3.87	4.16	4.48	5.01	5.22
Temperature °C	-10	-5	0	7.2	10
Capacity Kcal/Hr	418	513	623	816	900
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	513200107	FF10BK	Model	Appl.
Relay	513506449		AEA3430AXA	HBP, LST
*Overload	13554420	MRT 28AHN-5590		
Grommet	2221003			
Sleeve	2222015			
*Included in relay kit				

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