

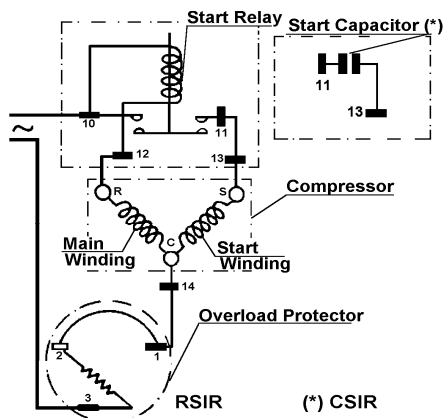
FF10HBK1

LBP-MBP-HBP

115 V

134a

Wiring Diagram



Compressor Terminals

C = Common

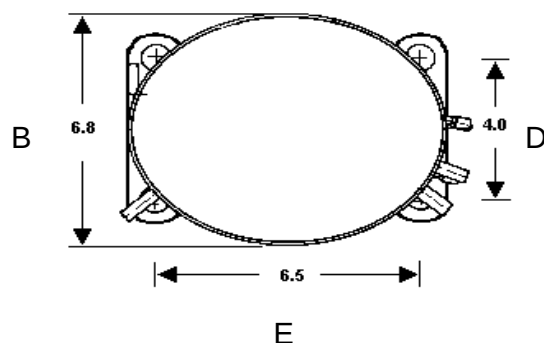
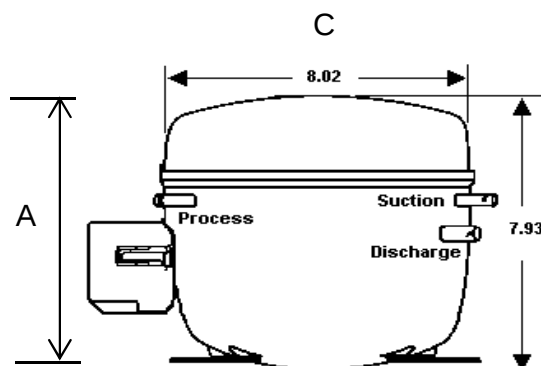
R = Run

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	.255-1/4	6.5
Suction	.325-5/16	8.2
Discharge	.255-1/4	6.5

Technical Specifications

Rev 1-2018

Mechanical Data	English	Metric	Electrical Data	
Bore	0.945 in	24 mm	Motor: Voltage Voltage range Run winding resistance at 25° C Start winding resistance at 25°C Locked rotor current RLA	RSIR
Stroke	0.787 in	20 mm		115V / 60 Hz
Displacement	0.55 cu in	9.05 cc		103-135V
Speed	3,500 rpm	3,500 rpm		1.23 Ω
Weight	25.33 lb	11.49 kg		6.03 Ω
Oil Charge	9.47 oz.	280 ml		40 amps
Oil Type	POE	ISO22		6.2 amps
Compressor Cooling: LBP: Static MBP-HBP:Fan Cooled by forced draft over shell with 6 watt minimum fan.				
Restrictor: Capillary Tube				
			Capacitor:	
			Start cap	N/A
			Run cap	N/A

embraco	FF10HBK1	LBP-MBP-HBP	115 V	134a
Specifications Approximate H. P. 1/4+ Starting Torque Normal Refrigerant 134a Evaporator Temperature Low/Med/High Evaporator Temperature -31° to 59°F			Usage Drinking Water Coolers Dehumidifiers Ice Machines Reach In Refrigerators Beer Coolers	

LBP Performance					
Temperature °F	-22	-10	5	14	32
Capacity BTU/Hr	537	840	1,322	1,698	2,671
Power W	184	224	285	323	405
Current Amps	3.38	3.61	3.85	4.07	4.59
Temperature °C	-30	-23.3	-15	-10	0
Capacity Kcal/Hr	135	212	333	428	673
HBP Performance					
Temperature °F	14	20	32	45	50
Capacity BTU/Hr	1,698	1,973	2,671	3,530	3,989
Power W	323	350	405	462	491
Current Amps	4.07	4.23	4.59	4.9	5.23
Temperature °C	-10	-6.7	0	7.2	10
Capacity Kcal/Hr	428	500	673	890	1,005
ASHRAE	LBP	MBP	Rating Point (bolded above)	ASHRAE	HBP32
Condensing	130°F	130°F		Condensing	130°F
Evaporator	-10°F	20°F		Evaporator	45°F
Return Gas	90°F	95°F		Return Gas	90°F
Ambient	90°F	95°F		Ambient	90°F
Liquid Temp.	90°F	115°F		Liquid Temp.	90°F

Material	Part number	Description	Compressor Cross Ref.	
Compressor	513200295	FF10HBK1	Model	Appl.
Relay	513516185-ESP	Current relay		
Overload	513554447-ESP	MST 22AIN-5590		
Grommet	2221003			
Sleeve	2222015			

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