

embraco

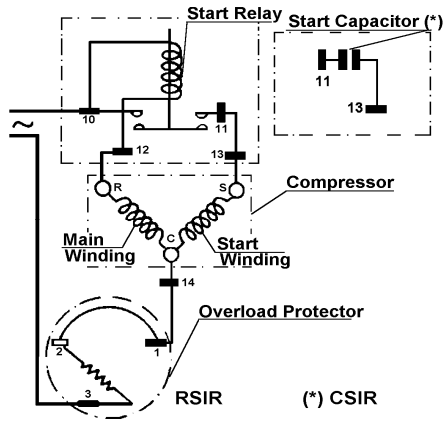
FF7.5HBK1

LBP-MBP-HBP

115V

134a

Wiring Diagram



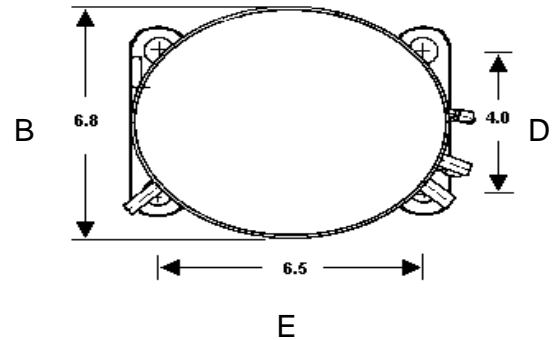
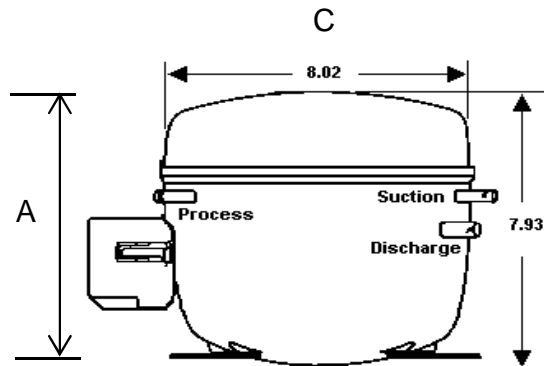
Compressor Terminals

- 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	.256-1/4	6.5
Suction	.323-5/16	8.2
Discharge	.256-1/4	6.5

Technical Specifications

Rev 2-2018

Mechanical Data	English		Metric		Electrical Data	
	English	Metric	English	Metric	English	Metric
Bore	0.826 in	21 mm	Motor:		RSIR/CSIR	
Stroke	0.79 in	20 mm	Voltage		115V / 60 Hz	
Displacement	0.42 cu in	6.93 cc	Voltage range		103-135V	
Speed	3,500 rpm	3,500 rpm	Run winding resistance at 25° C		2.2 Ω	
Weight	23.68 lb	10.7 kg	Start winding resistance at 25° C		11.51 Ω	
Oil Charge	9.47 oz.	280 ml	Locked rotor current		25 amps	
Oil Type	POE	ISO22	RLA		4 amps	

Compressor Cooling:

Fan Cooled by forced draft over shell with 6 watt minimum fan.

Restrictor:

Capillary Tube

Capacitor:

*Start Cap

Run Cap


*Optional

270-324

N/A

115V

N/A

	FF7.5HBK1	LBP-MBP-HBP	115V	134a
Specifications Approximate H. P. 1/5+ 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					
Evaporator Temp.°F	-22	-10	5	14	32
Capacity BTU/Hr	393	630	996	1,287	2,047
Power W	134	168	214	243	305
Current Amps	2.11	2.3	2.57	2.77	3.23
Evaporator Temp.°C	-30	-23.3	-15	-10	0
Capacity Kcal/Hr	99	159	251	324	516
HBP Performance					
Evaporator Temp.°F	14	20	32	45	50
Capacity BTU/Hr	1,287	1,501	2,047	2,760	3,085
Power W	243	260	305	352	369
Current Amps	2.77	2.9	3.23	3.64	3.76
Evaporator Temp.°C	-10	-6.7	0	7.2	10
Capacity Kcal/Hr	324	378	516	696	777
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	513200155	FF7.5HBK1	Tecumseh Appl.
Relay	513516134-ESP	Current relay	AEA1360YXA LBP
Overload	513554714-ESP	MRT 24ALK-5590	
Terminal cover	513555024		
Grommet	2221003		
Sleeve	2222015		

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