

embraco

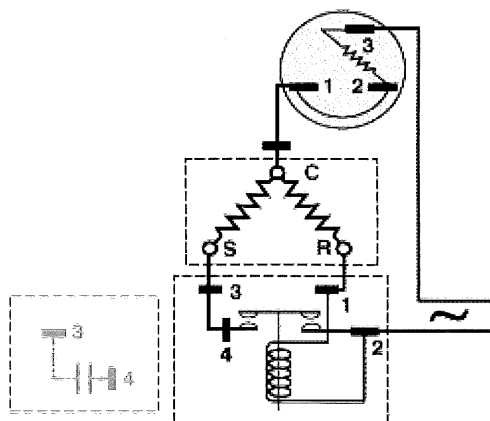
EMIS30HHR1

LBP-MBP-HBP

115V

134a

Wiring Diagram



Compressor Terminals

C = Common

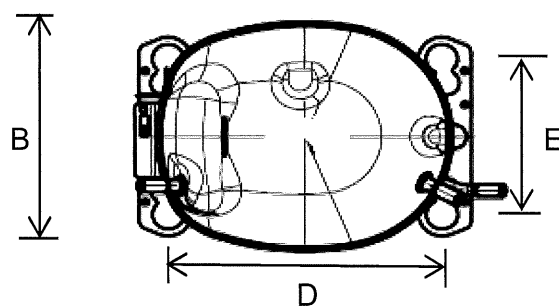
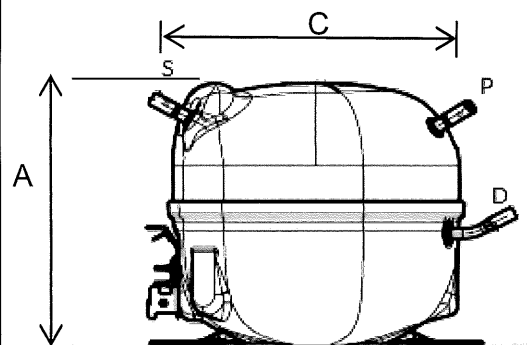
R = Run

S = Start

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

Dimensions (inches)

A:6.18" B:5.91" C:7.05" D:6.5" E:4.0"



Tube Diameter

ID	Inch	MM
Process	.255-1/4	6.5
Suction	.255-1/4	6.5
Discharge	.194-3/16	4.94

Technical Specifications

Rev 12-2017

Mechanical Data	English	Metric	Electrical Data	
Bore	0.75 in	19 mm	Motor:	CSIR
Stroke	0.42 in	10.6 mm	Voltage	115V / 60 Hz
Displacement	0.183 cu in	3 cc	Voltage range	103-140V
Speed	3,500 rpm	3,500 rpm	Run winding resistance at 25° C	6.55 Ω
Weight	14.93 lb	6.8 kg	Start winding resistance at 25°C	14.15 Ω
Oil Charge	5.41 oz.	160 ml	Locked rotor current	16 amps
Oil type	POE	ISO22	FLA: L/MBP-60Hz	2.23 amps
Compressor Cooling:				
Static.				
Fan Cooled by forced draft over shell with 6 watt minimum fan.				
Restrictor:				
Capillary Tube			Capacitor:	
			Start cap	88-108 mfd 220V
			Run cap	N/A N/A

embraco	EMIS30HHR1	LBP-MBP-HBP	115V	134a
Specifications			Usage	
Approximate H. P.	1/10		Drinking Water Coolers	
Starting Torque	Normal		Dehumidifiers	
Refrigerant	134a		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	182	340	485	633	1,016
Power W	70	91	106	120	149
Current Amps	1.3	1.37	1.45	1.53	1.71
Temperature °C	-30	-23.3	-15	-10	0
Capacity Kcal/Hr	46	86	122	159	256
HBP Performance					
Temperature °F	14	23	32	20	50
Capacity BTU/Hr	633	809	1,016	746	1,538
Power W	120	134	149	129	178
Current Amps	1.53	1.62	1.71	1.59	1.93
Temperature °C	-10	-5	0	-6.7	10
Capacity Kcal/Hr	159	204	256	188	388
LBP Rating	ASHRAE	Rating Point (bolded above)	MBP Rating	ASHRAE	
Condensing	130°F		Condensing	130°F	
Evaporator	-10°F		Evaporator	20°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	513305020	EMIS30HHR1	Model Appl.
Relay	513515003-ESP	Current relay	
Overload	513554064-ESP	MRA 58130-5590	
Start cap	513556549-ESP	88-108 mfd / 220V	
Grommet	2221003		
Sleeve	2222015		

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