

embraco

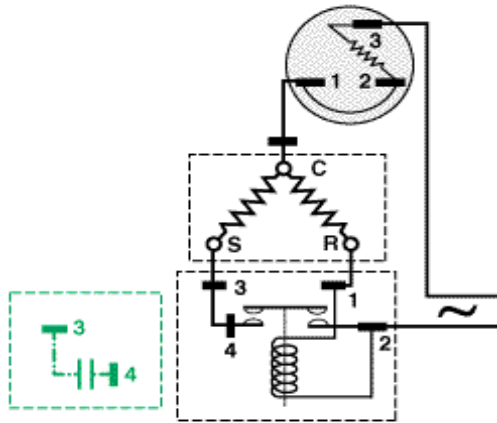
EMI45ER

LBP

115 V

Blend

Wiring Diagram



Compressor Terminals

C = Common

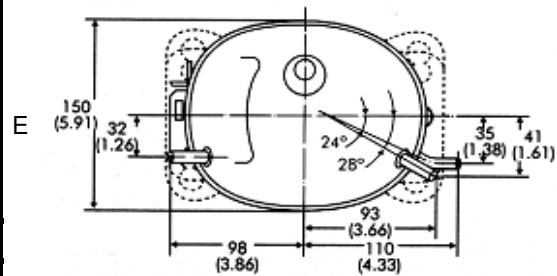
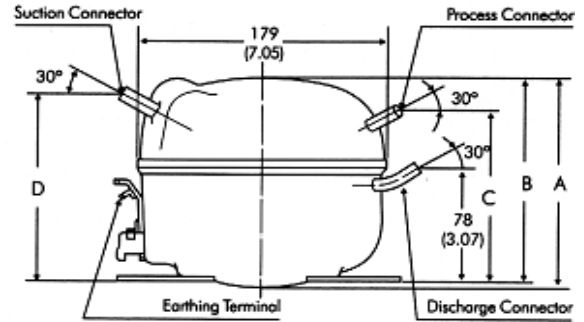
R = Run

S = Start

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

Dimensions (inches)

A:6.18" B:6.1" C:5.47" D:5.67" E:5.91"




Tube Diameter

ID	Inch	MM
process	.255	6.5
suction	.255	6.5
discharge	.194	4.94

Technical Specifications

Rev 6-2013

Mechanical Data	English	Metric	Electrical Data	
Bore	0.75 in	19 mm	Motor:	RSIR
Stroke	0.52 in	13.3 mm	2 pole - 1 phase	115v / 60 Hz
Displacement	0.23 cu in	3.77 cc	Voltage	98-140v
Speed	3,500 rpm	3,500 rpm	Voltage range	5 Ω
Weight	16.87 lb	7.65 kg	Run winding resistance at 25° C	11.9 Ω
Oil Charge	5.41 oz.	160 ml	Start winding resistance at 25° C	15 amps
Oil type	Alkylbenzene	ISO32	Locked rotor current	1.62 amps
Compressor Cooling: Static.			FLA: L/MBP-60Hz	
Restrictor: Capillary Tube			Capacitor:	
			Start cap	N/A
			Run cap	N/A

	EMI45ER	LBP	115 V	Blend
Specifications			Usage	
Approximate H. P.		1/8	Drinking Water Coolers	
Starting Torque		Normal	Dehumidifiers	
Refrigerant		Blend	Ice Machines	
Evaporator Temperature		Low	Reach In Refrigerators	
Evaporator Temperature		-31° to 14°F	Beer Coolers	

LBP Performance					
Temperature °F	-22	-10	5	14	-31
Capacity BTU/Hr	212	485	757	979	212
Power W	70	111	132	149	70
Current Amps	1.15	1.34	1.49	1.61	1.15
Temperature °C	-30	-23.3	-15	-10	-35
Capacity Kcal/Hr	53	122	191	247	53
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	513307072	EMI45ER	Model Appl.
Relay	513504403		
*Overload	13634394	4TM 757KFBYY-53	
Grommet	2221003		
Sleeve	2222015		

*Included in relay kit

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