

**12001872****LBP****115 V R134a****Application**

Approximate H.P. 1/6
Starting Torque LST
Refrigerant R134a
Evap Temp Rating LBP
Evap Temp Range

Usage

Domestic Refrigerators
Domestic Freezers
Reach-In Freezers
Ice Cream Cabinets
Frozen Food Cabinets
Slush Drink Machines
Beverage Vendors (Ice)

Controlled ASHRAE Conditions**LBP - Performance**

Temperature - F	-22	-10	5	14	32
Capacity - BTU/Hr	452	700	1130	1515	
Power - W		205			
Current - Amps					
Temperature - C	-30	-23.3	-15	-10	0
Capacity - Kcal/Hr	114	176	285	382	0

HBP - Performance

Temperature - F	14	23	32	45	50
Capacity - BTU/Hr	1515				
Power - W					
Current - Amps					
Temperature - C	-10	-5	0	7.2	10
Capacity - Kcal/Hr	382	0	0	0	0

Rating Conditions**General**

130 F Condensing Temp
90 F Return Gas Temp
90 F Ambient Temp
90 F Liquid Temp at TXV

Low Back Pressure (Low Temp)

-10 F Evaporator Temp

High Back Pressure (High Temp)

+45 F Evaporator Temp

Bill Of Material

Compressor BOM 513700087

Electrical Assembly 078820.008
Alt

Relay

Alt

Overload

Alt

Start Capacitor

N/A

Capacitor Bracket

N/A

Capacitor Cap

N/A

Run Capacitor

24146

Terminal Cover

513555024

Grommet

2221003

Sleeve

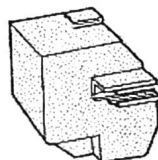
2222003

Base Plate

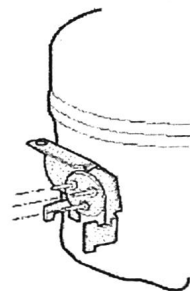
Universal

Cross Reference

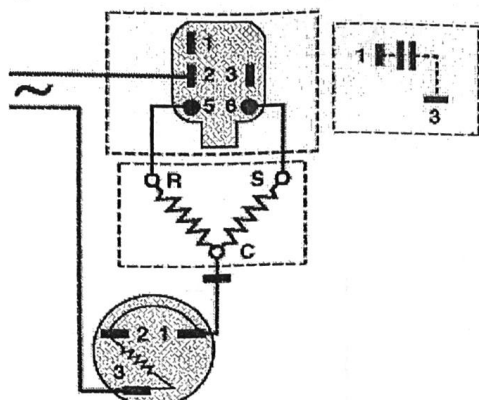
Manufacturer	Model	BTU/Hr	H.P.	Refrigerant
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**EMBRACO NORTH AMERICA, INC.**

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Embraco
EGU70HLC1M
LBP
115 V
R134a
Wiring Diagram

Compressor Terminals

C = Common

R = Run

S = Start

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

Tube Diameter

	ID (in)	OD (in)	ID (mm)	OD (mm)
Suction	0.260	0.420	6.604	10.668
Discharge	0.260	0.360	6.604	9.144
Process	0.260	0.360	6.604	9.144
Oil Cooler	N/A	N/A	N/A	N/A

Mechanical Data

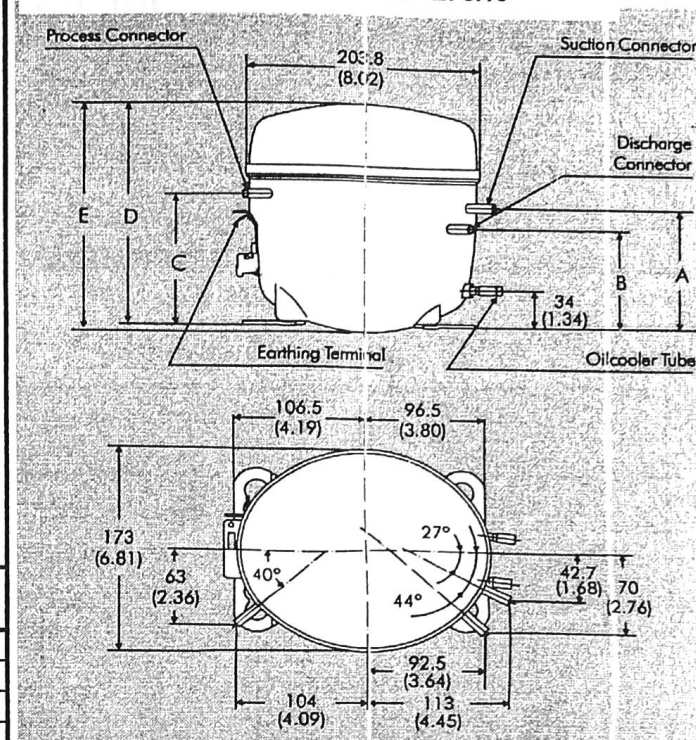
	English		Metric	
Bore	0.9	in	22.86	mm
Stroke	0.6	in	15.24	mm
Displacement	0.39	in ³	6.36	cc
Speed	3500	rpm		
Weight	23.7	lbs	52.2	kg
Oil Charge	9.66	oz	280	ml
Oil Type	ESTER		ISO10	

Compressor Cooling
Static Cooling
Restrictor: Expansion Valve or Capillary Tube

Temperature (F)	-10 to 5		5 to 20
Length (ft)	12		N/A
Diameter ID (in)	0.036		N/A

Drawing Dimensions

A: 4.29 B: 3.54 C: 4.65 D: 7.91 E: 8.15


Electrical Data

Rev 02/2/04

Motor:

2 Pole - Single Phase	RSCR
Voltage	115 V
Frequency	60 Hz
Voltage Range	V
Run Winding Resist at 25 C	3.8 Ω
Start Winding Resist at 25 C	3.5 Ω
Locked Rotor Current	11.5 A

Overload Protector:

Trip Current at 25 C	A
Trip Time	5-15 sec
Disc Opening Temperature	120 F
Disc Closing Temperature	61 F

Relay:

Pick Up Max	-	A
Drop Out Max	-	A

Start Capacitor:

Capacitance	N/A	uF
Voltage	N/A	V

Run Capacitor:

Capacitance	20	uF
Voltage	180	V