



Model: EMT37HDP
Code: 513306039

embraco POWER IN.
CHANGE ON

Type:	On-off
Voltage [V] / Frequency [Hz] / Phases	220-240 V 50 Hz 1 ~
Refrigerant:	R-134a
Application:	L/M/HBP

Motor type:	
Starting torque:	LST
HP:	
Displacement:	3.4 cm ³

OPERATING CONDITION : ASHRAE LBP 32

Evaporation Temp.	-23.3 °C	Return Temp.	32.2 °C	Superheating	55.5 K
Condensing Temp.	54.4 °C	Liquid Temp.	32.2 °C	Subcooling	22.2 K

Cooling capacity	Power consumption	Efficiency
0.00 W	-- W	0.00 W/W

APPLICATION

Evaporating temperature range:	-35 to 15 °C
Permanent operating temperature (peak) :	60 (70) °C
Expansion device:	Capillary tube

Cooling type:	
Air Flow	--
Maximum motor temperature:	130 °C

ELECTRICAL DATA

Start winding resistance at 25°C (77°F):	0 Ω +/- 8%
FLA - full load amperage L/MBP [A] 50 Hz / 60 Hz:	1.6 / -

Run winding resistance at 25°C (77°F):	0 Ω +/- 8%
LRA (A) 50 Hz / 60 Hz:	4.7 / -
FLA - full load amperage HBP [A] 50 Hz / 60 Hz:	1.8 / -

MECHANICAL DATA

Bore:	mm
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Stroke:	mm
Displacement:	3.4 cm ³

OTHER INFORMATION

Weight:	kg
Lubricant type:	Polyolester ISO22

Oil charge:	180 ml
Nitrogen charge:	Yes

EXTERNAL SETTINGS

-	Shape	Material	Diameter [mm]
Suction connector	--	--	
Discharge connector			
Process connector			

Base plate:	
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Tray holder:	
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PERFORMANCES AT STANDARD CHECK-POINTS

Checkpoint	Cooling capacity	Power consumption	Gas flow rate	Cooling Efficiency	Heating capacity +/-	Heating Efficiency
	+/-5%	+/-5%	+/-5%	+/- 7%	5% *	+/- 7%
	W	W	kg/h	W/W	W	W/W
ASHRAELBP32	95.00	--	--	1.15	--	--

* Calculations performed considering isentropic compression and a housing loss of 10%. This is an estimated heat amount discarded in the discharge pipe and the condenser combined.

