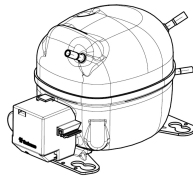


220-240V 50 1~



GENERAL DATA

Application: HBP
Refrigerant: R134a
Evaporating Temperature Range: -15°C to 10°C
Compressor Cooling: Static
Type: Hermetic reciprocating
Technology Type: On-Off
Expansion Device: Capillary Tube
Packing Quantity: 100
Displacement: 3.4 cm³

Approvals:

MECHANICAL DATA

Bore: 19 mm
Stroke: 12 mm
Oil Charge: 180ml
Oil Type Configuration: ESTER
Oil Type Viscosity: ISO22
Weight: 7.24 kg

ELECTRICAL DATA

Motor Type: RSIR
Starting Torque: LST
Voltage working range at 50 Hz: 198-264 V
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 31.7 Ω (± 10%) at 25°C
Run Winding Resistance: 26.1 Ω (± 10%) at 25°C
Locked Rotor Amperage (LRA): 5 A

MOUNTING ACCESSORIES

	Description	Code
Anchorage:	no	-
Overload Protector Bracket:	no	-
Capacitor Bracket:	no	-
Washer:	no	-
Pin:	no	-
Clip:	no	-
Sleeves:	no	-
Grommets:	yes	2221011
Cover:	yes	213336008
Terminal:	yes	2075231

ELECTRICAL COMPONENTS

	Component type	Description	Code
CSR / CSIR Box:	No		
Starting Device:	PTC	V230	
Motor Protection:		T0225/07	

EXTERNAL CHARACTERISTICS

Base Plate: SMALL EUEM
Tray Holder: Yes
Height: mm

	Internal Diameter (mm)	Material	Shape
Suction Connector	6.1	Copper	Slanted 42° up + 45° to Back
Discharge Connector	4.94	Copper	Slanted parallel BP+24° to Back
Process Connector	6.1	Copper	Slanted 45° up + 45° to Back

RATED POINT DATA

Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
±5%	±5%	±5%	±5%	±7%
362	140	0.88	7.98	2.59

Test condition: ASHRAE, Static, Return Gas 35°C, Subcooling 8.3K, Evaporating: 7.2°C, Condensing: 54°C, Ambient: 35°C

PERFORMANCE CURVE DATA

220V 50Hz

Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
35°C	10	512	115	0.80	9.67	4.45
	5	426	109	0.77	8.00	3.91
	0	350	103	0.74	6.54	3.40
	-5	285	97	0.71	5.29	2.94
	-10	228	90	0.68	4.22	2.53
	-15	181	83	0.65	3.34	2.18

Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
45°C	10	452	131	0.85	9.24	3.45
	5	376	122	0.81	7.63	3.07
	0	308	114	0.77	6.22	2.71
	-5	249	105	0.74	5.00	2.37
	-10	198	96	0.70	3.96	2.07
	-15	155	86	0.66	3.09	1.80

Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
55°C	10	396	148	0.91	8.84	2.68
	5	328	136	0.86	7.29	2.41
	0	269	125	0.81	5.92	2.15
	-5	216	113	0.76	4.73	1.90
	-10	170	102	0.72	3.70	1.67

Test condition: ASHRAE, Static, Return Gas 35°C, Subcooling 8.3K, Ambient: 35°C

Model **EMT37HDP**

Code 51330603999ZA

embraco POWER IN.
CHANGE ON.