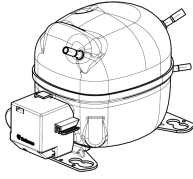


220-240V 50 1~



GENERAL DATA

Application: HBP
Refrigerant: R134a
Evaporating Temperature Range: -15°C to 10°C
Compressor Cooling: Fan
Type: Hermetic reciprocating
Technology Type: On-Off
Expansion Device: Capillary Tube or Expansion Valve
Packing Quantity: 100
Displacement: 5.19 cm³
Horse power: 1/5 hp

Approvals: 

MECHANICAL DATA

Bore: 21 mm
Stroke: 15 mm
Oil Charge: 180ml
Oil Type Configuration: ESTER
Oil Type Viscosity: ISO22
Weight: 7.72 kg

ELECTRICAL DATA

Motor Type: CSIR
Starting Torque: HST
Voltage working range at 50 Hz: 198-264 V
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 21.3 Ω (± 10%) at 25°C
Run Winding Resistance: 12.95 Ω (± 10%) at 25°C
Locked Rotor Amperage (LRA): 9 A

MOUNTING ACCESSORIES

	Description	Code
Anchorage:	no	-
Washer:	no	-
Pin:	no	-
Clip:	no	-
Sleeves:	no	-
Grommets:	yes	2221011
Capacitor Bracket:	yes	2256008
Terminal:	yes	1027060
Cover:	yes	113346023
Overload Protector Bracket:	yes	2075247

ELECTRICAL COMPONENTS

	Component type	Description	Code
CSR / CSIR Box:	No		
Start Capacitor:		43-53UF - 330V	2252347
Starting Device:	Relay	MTRP-34*	
Motor Protection:		T0827/G6	

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%
583	220	1.38	12.86	2.65

Test condition: ASHRAE, Fan, 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	803	187	1.24	15.17	4.30
	5	671	176	1.21	12.59	3.80
	0	554	165	1.17	10.34	3.35
	-5	452	154	1.14	8.40	2.94
	-10	364	142	1.11	6.74	2.56
	-15	289	131	1.08	5.33	2.21

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	724	208	1.31	14.80	3.48
	5	601	195	1.27	12.21	3.09
	0	494	181	1.22	9.97	2.73
	-5	401	167	1.18	8.05	2.40
	-10	321	153	1.14	6.42	2.09
	-15	253	140	1.10	5.04	1.81

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	639	232	1.43	14.29	2.76
	5	528	215	1.36	11.72	2.46
	0	432	198	1.30	9.52	2.18
	-5	348	181	1.24	7.64	1.93
	-10	278	164	1.18	6.06	1.69

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

Model **EMT6144Z**

Code **51330621898ZA**

embraco POWER IN.
CHANGE ON.