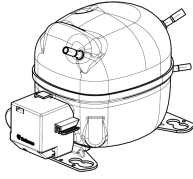


220-240V 50 1~



GENERAL DATA

Application: MBP
Refrigerant: R290
Evaporating Temperature Range: -20°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: 5.96 cm³
Horse power: 1/3- hp

Approvals:

MECHANICAL DATA

Bore: 22.5 mm
Stroke: 15 mm
Oil Charge: 180ml
Oil Type Configuration: ESTER
Oil Type Viscosity: ISO22
Weight: 7.75 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: 18.99 Ω (± 10%) at 25°C
Run Winding Resistance: 9.92 Ω (± 10%) at 25°C
Locked Rotor Amperage (LRA): 13 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
Overload Protector Bracket:	yes	2075247
Cover:	yes	113346028

ELECTRICAL COMPONENTS

	Component type	Description	Code
CSR / CSIR Box:	No		
Starting Device:	Relay	MTRPH-0025-65*	
Motor Protection:		T0571/G6	
Start Capacitor:		64-77UF - 100V	

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%
484	247	1.74	5.57	1.96

Test condition: EN 12900, Fan, Return Gas 20°C, Subcooling OK, Evaporating: -10°C, Condensing: 45°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	1 083	262	1.80	11.70	4.13
	5	914	252	1.78	9.79	3.62
	0	770	243	1.75	8.19	3.17
	-5	648	233	1.72	6.85	2.78
	-10	544	224	1.69	5.73	2.43
	-15	454	213	1.66	4.76	2.13
	-20	374	202	1.63	3.89	1.85

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	977	305	1.91	11.57	3.20
	5	822	290	1.86	9.64	2.83
	0	691	276	1.82	8.04	2.51
	-5	579	261	1.78	6.70	2.22
	-10	484	247	1.74	5.57	1.96
	-15	401	232	1.71	4.59	1.73
	-20	326	216	1.67	3.71	1.51

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	846	343	2.03	11.13	2.47
	5	710	324	1.97	9.26	2.19
	0	596	306	1.91	7.70	1.95
	-5	501	288	1.86	6.41	1.74
	-10	419	270	1.81	5.33	1.55

Test condition: EN 12900, Fan, Return Gas 20°C, Subcooling OK, Ambient: 35°C

Model **EMT6165U**

Code **51330624999ZA**

embraco POWER IN.
CHANGE ON.