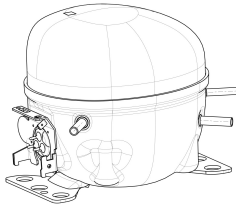


220-240V 50 1~**GENERAL DATA**

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: 80
Displacement: 7.55 cm³
Approvals:

MECHANICAL DATA

Bore: 22.5 mm
Stroke: 19 mm
Oil Charge: 210ml
Oil Type Configuration: ESTER
Oil Type Viscosity: ISO22
Weight: 8.6 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: 21.5 Ω (± 10%) at 25°C
Run Winding Resistance: 7.02 Ω (± 10%) at 25°C
Locked Rotor Amperage (LRA): 17 A

MOUNTING ACCESSORIES

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

ELECTRICAL COMPONENTS

	Component type	Description	Code
CSR / CSIR Box:	No		
Start Capacitor:		88-108UF - 250V	513556564
Starting Device:	Relay	QL2-6.8*	
Motor Protection:		MST61AMN-3259	

EXTERNAL CHARACTERISTICS

Base Plate: SMALL EUEM
Tray Holder: No
Height: mm

	Internal Diameter (mm)	Material	Shape
Suction Connector	8.2	Copper	Slanted 40° up + 45° to Back
Discharge Connector	6.1	Copper	Slanted 0° up + 24° to Back
Process Connector	6.2	Copper	Slanted 40° 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%
1 030	371	2.26	11.98	2.78

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	1 422	269	1.94	14.13	5.28
	5	1 205	269	1.94	11.90	4.48
	0	1 002	267	1.93	9.84	3.76
	-5	821	262	1.92	8.00	3.14
	-10	668	254	1.89	6.47	2.63
	-15	550	242	1.86	5.30	2.27

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	5	1 072	319	2.09	11.47	3.36
	-5	754	301	2.03	7.96	2.51
	-15	504	271	1.93	5.27	1.86
	-25	378	226	1.83	3.91	1.67
	-35	427	166	1.71	4.44	2.58

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	5	963	370	2.26	11.27	2.60
	-5	705	338	2.14	8.13	2.09
	-15	475	294	2.00	5.42	1.62
	-25	324	235	1.83	3.66	1.38
	-35	307	161	1.66	3.39	1.91

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

Model **EMTE6181U**

Code **51330029901AE**

embraco POWER IN.
CHANGE ON.