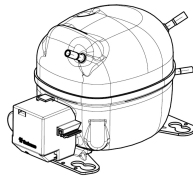


220-240V 50 1~



GENERAL DATA

Application: LBP
Refrigerant: R290
Evaporating Temperature Range: -40°C to -10°C
Compressor Cooling: Static
Type: Hermetic reciprocating
Technology Type: On-Off
Expansion Device: Capillary Tube or Expansion Valve
Packing Quantity: 100
Displacement: 4.5 cm³
Horse power: 1/5 hp

Approvals: 

MECHANICAL DATA

Bore: 21 mm
Stroke: 13 mm
Oil Charge: 180ml
Oil Type Configuration: ESTER
Oil Type Viscosity: ISO22
Weight: 7.76 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: 21.1 Ω (± 10%) at 25°C
Run Winding Resistance: 14.4 Ω (± 10%) at 25°C
Locked Rotor Amperage (LRA): 8 A

MOUNTING ACCESSORIES

	Description	Code
Anchorage:	no	-
Washer:	no	-
Pin:	no	-
Clip:	no	-
Sleeves:	no	-
Grommets:	yes	2221011
Capacitor Bracket:	yes	2256008
Cover:	yes	213336044
Overload Protector Bracket:	yes	2075247
Terminal:	yes	2075228

ELECTRICAL COMPONENTS

	Component type	Description	Code
CSR / CSIR Box:	No		
Starting Device:	Relay	MTRP-0015*	
Start Capacitor:		43-53UF - 330V	2252347
Motor Protection:		T0231/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%
123	110	0.91	1.33	1.12

Test condition: EN 12900, Static, Return Gas 20°C, Subcooling OK, Evaporating: -35°C, Condensing: 40°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	394	153	1.04	4.15	2.57
	-15	325	147	1.00	3.40	2.22
	-20	265	138	0.97	2.76	1.92
	-25	214	128	0.94	2.22	1.67
	-30	171	118	0.92	1.77	1.45
	-35	134	107	0.90	1.39	1.25

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	345	171	1.09	3.96	2.02
	-15	283	161	1.05	3.24	1.76
	-20	230	149	1.01	2.62	1.54
	-25	184	137	0.97	2.09	1.35
	-30	145	124	0.94	1.64	1.17
	-35	112	111	0.92	1.26	1.01

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	296	190	1.15	3.77	1.56
	-15	242	176	1.09	3.07	1.38
	-20	195	160	1.04	2.46	1.22
	-25	155	144	1.00	1.95	1.08
	-30	120	128	0.96	1.50	0.94

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

Model **EMT2117U**

Code **51330623799ZW**

embraco POWER IN.
CHANGE ON.