

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: 7.69 cm³
Horse power: 1/3- hp

Approvals: 

MECHANICAL DATA

Bore: 24 mm
Stroke: 17 mm
Oil Charge: 180ml
Oil Type Configuration: ESTER
Oil Type Viscosity: ISO22
Weight: 7.7 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: 18.8 Ω (± 10%) at 25°C
Run Winding Resistance: 10.9 Ω (± 10%) at 25°C

MOUNTING ACCESSORIES

	Description	Code
Anchorage:	no	-
Overload Protector Bracket:	no	-
Capacitor Bracket:	no	-
Washer:	no	-
Pin:	no	-
Cover:	no	-
Grommets:	no	-
Sleeves:	no	-
Terminal:	no	-
Clip:	yes	13143000

ELECTRICAL COMPONENTS

	Component type	Description	Code
CSR / CSIR Box:	No		
Starting Device:	Relay	MTRP-38*	
Start Capacitor:		53-64UF - 330V	
Motor Protection:		T0318/G6	2319115

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	6.1	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%
730	333	1.95	17.01	2.19

Test condition: EN 12900, Fan, Return Gas 20°C, Subcooling 0K, Evaporating: 5°C, Condensing: 50°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	1 030	334	1.96	21.09	3.08
	5	869	302	1.84	17.67	2.88
	0	724	273	1.74	14.63	2.65
	-5	595	247	1.66	11.97	2.41
	-10	483	224	1.60	9.67	2.16
	-15	386	203	1.55	7.71	1.91

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	928	357	2.04	20.76	2.60
	5	780	323	1.91	17.33	2.41
	0	647	292	1.80	14.27	2.22
	-5	528	264	1.71	11.58	2.00
	-10	423	238	1.64	9.25	1.78
	-15	333	214	1.58	7.25	1.55

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	804	379	2.14	19.92	2.12
	5	676	342	2.00	16.59	1.97
	0	559	308	1.87	13.64	1.81
	-5	455	277	1.77	11.03	1.64
	-10	364	248	1.68	8.78	1.47

Test condition: EN 12900, Fan, Return Gas 20°C, Subcooling 0K, Ambient: 35°C

Model **EMT6170Z**

Code 513306210...Q

embraco POWER IN.
CHANGE ON.