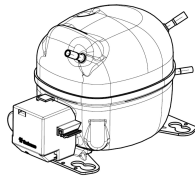


220-240V 50 1~



GENERAL DATA

Application: LBP
Refrigerant: R404A
Evaporating Temperature Range: -40°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: 1/3 hp

Approvals: 

MECHANICAL DATA

Bore: 21 mm
Stroke: 15 mm
Oil Charge: 180ml
Oil Type Configuration: ESTER
Oil Type Viscosity: ISO22
Weight: 7.73 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%
309	219	1.38	7.14	1.41

Test condition: ASHRAE, Fan, Return Gas 32.2°C, Evaporating: -23.3°C, Condensing: 54°C, Ambient: 32.2°C, Liquid: 32.2°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	598	246	1.47	14.13	2.43
	-15	489	228	1.40	11.48	2.15
	-20	397	208	1.34	9.24	1.90
	-25	318	189	1.28	7.38	1.68
	-30	252	170	1.23	5.82	1.48
	-35	196	152	1.18	4.51	1.29

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	566	272	1.56	13.32	2.08
	-15	461	248	1.47	10.80	1.86
	-20	373	224	1.39	8.68	1.66
	-25	299	201	1.31	6.91	1.49
	-30	236	179	1.25	5.45	1.32
	-35	184	158	1.19	4.22	1.16

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	541	296	1.66	12.72	1.83
	-15	441	267	1.55	10.29	1.65
	-20	356	238	1.45	8.25	1.50
	-25	284	211	1.35	6.56	1.35
	-30	225	185	1.27	5.16	1.21

Test condition: ASHRAE, Fan, Return Gas 32.2°C, Ambient: 32.2°C, Liquid: 32.2°C

Model **EMT2121GK**

Code **51330622098ZA**

embraco POWER IN.
CHANGE ON.