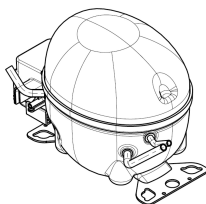


115-127V 60 1~



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
Packing Quantity: 100
Displacement: 5.54 cm³
Horse power: 1/3 hp

Approvals:  

MECHANICAL DATA

Bore: 21 mm
Stroke: 16 mm
Oil Charge: 150ml
Oil Type Configuration: ESTER
Oil Type Viscosity: ISO10
Weight: 8.03 kg

ELECTRICAL DATA

Motor Type: CSCR
Starting Torque: LST
Voltage working range at 60 Hz: 104-140 V
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 3.18 Ω (± 10%) at 25°C
Run Winding Resistance: 3.06 Ω (± 10%) at 25°C

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		
Starting Device:	PTC	8EA14D7 QPS2-A4R7MB4	
Motor Protection:		CP4TMC460N61 DRB46N61A*	
Start Capacitor:		124-149UF - 220V	
Run Capacitor:		20UF - 250V	13556256

EXTERNAL CHARACTERISTICS

Base Plate: SMALL EUEM
Tray Holder: No
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%
318	184	1.59	3.23	1.73

Test condition: ASHRAE, Static, Return Gas 32.2°C, Evaporating: -23.3°C, Condensing: 54°C, Ambient: 32.2°C, Liquid: 32.2°C

PERFORMANCE CURVE DATA**115V 60Hz**

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	621	198	1.76	6.38	3.14
	-15	514	185	1.63	5.25	2.77
	-20	419	172	1.51	4.27	2.44
	-25	336	157	1.39	3.41	2.14
	-30	264	141	1.27	2.67	1.87
	-35	204	126	1.14	2.06	1.61

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	580	221	1.97	5.96	2.62
	-15	480	206	1.81	4.91	2.33
	-20	391	189	1.65	3.98	2.07
	-25	313	170	1.50	3.17	1.83
	-30	244	151	1.34	2.47	1.62
	-35	186	132	1.18	1.88	1.41

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	545	233	2.09	5.59	2.34
	-15	451	217	1.90	4.61	2.08
	-20	366	198	1.71	3.73	1.85
	-25	291	177	1.53	2.95	1.64
	-30	225	155	1.36	2.27	1.45

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

Model **EM2X1121U**

Code **51330401704DQ**

embraco POWER IN.
CHANGE ON.