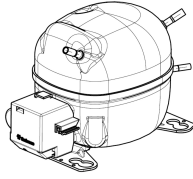


220-240V 50 1~**GENERAL DATA**

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
Maximum Recommended Refrigerant Charge: 330 g
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
Terminal:	yes	1027060
Cover:	yes	113346023
Overload Protector Bracket:	yes	2075247

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: No
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%
208	149	1.01	2.11	1.40

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

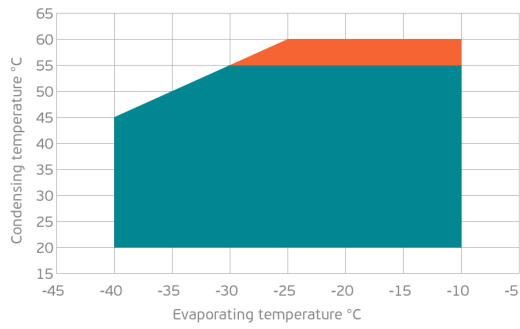
220V 50Hz

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	402	153	1.04	4.13	2.63
	-15	332	147	1.00	3.39	2.26
	-20	270	138	0.97	2.75	1.96
	-25	218	128	0.94	2.22	1.70
	-30	174	118	0.92	1.76	1.48
	-35	137	107	0.90	1.38	1.28

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	383	171	1.09	3.94	2.24
	-15	315	161	1.05	3.22	1.96
	-20	255	149	1.01	2.60	1.71
	-25	204	137	0.97	2.07	1.50
	-30	161	124	0.94	1.63	1.30
	-35	124	111	0.92	1.26	1.12

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	365	190	1.15	3.74	1.92
	-15	298	176	1.09	3.04	1.69
	-20	240	160	1.04	2.44	1.50
	-25	190	144	1.00	1.93	1.32
	-30	147	128	0.96	1.49	1.15

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



- Operating Condition
- Transient Condition
- Superheating

NOTE: usage of compressors outside of intended working range cannot make use of the warranty, or should be consulted with Technical support.