

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
Packing Quantity: 80
Displacement: 5.56 cm³

Approvals:  

MECHANICAL DATA

Bore: 22.5 mm
Stroke: 14 mm
Oil Charge: 180ml
Oil Type Configuration: ESTER
Oil Type Viscosity: ISO22
Weight: 7.8 kg

ELECTRICAL DATA

Motor Type: CSIR
Starting Torque: LST
Voltage working range at 50 Hz: 198-264 V
Voltage working range at 60 Hz: 198-264 V
Maximum Motor Temperature: 130 °C
Locked Rotor Amperage (LRA): 8 A

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:	Relay	MTRP-0015*	
Start Capacitor:		43-53UF - 330V	
Motor Protection:		4TM276NFBYY-53	

EXTERNAL CHARACTERISTICS

Base Plate: SMALL EUEM
Tray Holder: Yes
Height: mm

	Internal Diameter (mm)	Material	Shape
Suction Connector	6.2	Copper	Slanted 40° up + 45° to Back
Discharge Connector	6.2	Copper	Slanted 0° up + 24° to Back
Process Connector	6.2	Copper	Slanted 40° 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%
256	179	1.10	2.60	1.43

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	5	998	188	1.16	10.38	5.31
	-5	688	193	1.16	7.09	3.56
	-15	468	178	1.10	4.79	2.63
	-25	314	151	1.01	3.19	2.07
	-35	201	122	0.92	2.03	1.65

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	-5	631	228	1.30	6.51	2.77
	-15	422	201	1.18	4.31	2.10
	-25	276	165	1.05	2.80	1.67
	-35	169	130	0.94	1.71	1.30

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	-5	543	252	1.39	5.60	2.15
	-15	357	215	1.23	3.65	1.66
	-25	234	172	1.07	2.37	1.36
	-35	147	132	0.94	1.49	1.11

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

