

220-240V 50 1~



GENERAL DATA

Application: LBP
Refrigerant: R290
Evaporating Temperature Range: -40°C to -10°C
Compressor Cooling: Fan
Type: Hermetic reciprocating
Technology Type: On-Off
Expansion Device: Capillary Tube
Packing Quantity: 80
Displacement: 5.96 cm³

Approvals:  

MECHANICAL DATA

Bore: 22.5 mm
Stroke: 15 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
Maximum Motor Temperature: 130 °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		
Start Capacitor:		43-53UF - 330V	
Starting Device:	Relay	MTRP-34*	
Motor Protection:		4TM276RFBYY-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%
283	193	1.23	2.87	1.46

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	5	1 098	248	1.44	11.42	4.43
	-5	761	223	1.34	7.85	3.41
	-15	516	195	1.24	5.28	2.64
	-25	341	166	1.15	3.46	2.06
	-35	214	135	1.06	2.16	1.58

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	691	254	1.46	7.13	2.73
	-15	466	215	1.31	4.76	2.17
	-25	304	177	1.18	3.09	1.72
	-35	186	141	1.08	1.88	1.31

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	585	274	1.53	6.04	2.13
	-15	392	229	1.36	4.00	1.71
	-25	257	187	1.21	2.61	1.37
	-35	159	151	1.10	1.61	1.06

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

