

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

Application: LBP
Refrigerant: R600a
Evaporating Temperature Range: -35°C to -10°C
Compressor Cooling: Static
Type: Hermetic reciprocating
Technology Type: On-Off
Expansion Device: Capillary Tube
Packing Quantity: 80
Displacement: 7.23 cm³

Approvals: 

MECHANICAL DATA

Bore: 24 mm
Stroke: 16 mm
Oil Charge: 150ml
Oil Type Configuration: ALQUILB
Oil Type Viscosity: ISO5
Weight: 8 kg

ELECTRICAL DATA

Motor Type: RSCR
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
Start Winding Resistance: 22.35 Ω (± 10%) at 25°C
Run Winding Resistance: 28.65 Ω (± 10%) at 25°C
Locked Rotor Amperage (LRA): 3 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		
Motor Protection:		4TM189KFBYY-53	513634505
Run Capacitor:		4UF - 300V	13556031
Starting Device:	PTC	8EA17B3	

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%
129	72	0.32	1.39	1.81

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	0	378	92	0.41	4.09	4.11
	-5	313	88	0.39	3.38	3.57
	-15	208	77	0.34	2.23	2.71
	-25	129	63	0.28	1.38	2.05
	-35	71	47	0.22	0.75	1.49

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	310	101	0.45	3.34	3.06
	-15	203	84	0.37	2.18	2.42
	-25	124	66	0.29	1.33	1.88
	-35	68	49	0.22	0.73	1.39

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	300	112	0.50	3.24	2.68
	-15	194	90	0.40	2.09	2.17
	-25	117	68	0.30	1.26	1.72
	-35	64	50	0.23	0.68	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%
65°C	-5	285	121	0.54	3.08	2.36
	-15	181	93	0.42	1.95	1.94
	-25	107	69	0.31	1.15	1.55
	-35	58	50	0.23	0.62	1.16

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

