

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: 100
Displacement: 5.96 cm³

Approvals:  

MECHANICAL DATA

Bore: 22.5 mm
Stroke: 15 mm
Oil Charge: 150ml
Oil Type Configuration: ALQUILB
Oil Type Viscosity: ISO5
Weight: 8.3 kg

ELECTRICAL DATA

Motor Type: RSCR
Starting Torque: LST
Voltage working range at 50 Hz: 198-264 V
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 26.7 Ω (± 10%) at 25°C
Run Winding Resistance: 34.3 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:		TSD-220V0.6	
Motor Protection:		4TM110NFBYY-53	
Run Capacitor:		2.5UF - 350V	2253304

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%
97	50	0.21	1.04	1.95

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	328	73	0.32	3.54	4.51
	-5	268	70	0.31	2.89	3.84
	-15	172	60	0.26	1.84	2.87
	-25	101	46	0.21	1.08	2.18
	-35	47	32	0.16	0.51	1.47

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	264	77	0.33	2.85	3.44
	-15	165	63	0.27	1.78	2.64
	-25	95	47	0.20	1.02	2.02
	-35	45	33	0.15	0.48	1.36

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	255	84	0.36	2.75	3.04
	-15	155	65	0.28	1.67	2.38
	-25	87	47	0.20	0.93	1.84
	-35	42	32	0.14	0.44	1.29

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	240	91	0.40	2.59	2.63
	-15	141	68	0.29	1.52	2.08
	-25	76	46	0.20	0.82	1.64
	-35	38	30	0.13	0.40	1.24

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

