

115-127V 60 1~



GENERAL DATA

Application: LBP
Refrigerant: R134a
Evaporating Temperature Range: -35°C to -10°C
Compressor Cooling: Static
Type: Hermetic reciprocating
Technology Type: On-Off
Expansion Device: Capillary Tube
Packing Quantity: 72
Displacement: 5.56 cm³
Horse power: 1/5+ hp

Approvals: 

MECHANICAL DATA

Bore: 22.5 mm
Stroke: 14 mm
Oil Charge: 230ml
Oil Type Configuration: ESTER
Oil Type Viscosity: ISO10
Weight: 10.33 kg

ELECTRICAL DATA

Motor Type: RSIR/CSIR
Starting Torque: LST
Voltage working range at 50 Hz: 104-140 V
Voltage working range at 60 Hz: 104-140 V
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 12.17 Ω (± 10%) at 25°C
Run Winding Resistance: 3.36 Ω (± 10%) at 25°C

MOUNTING ACCESSORIES

	Description	Code
Anchorage:	no	-
Overload Protector Bracket:	no	-
Capacitor Bracket:	no	-
Washer:	no	-
Pin:	no	-
Cover:	no	-
Grommets:	no	-
Sleeves:	no	-
Terminal:	no	-
Clip:	yes	13143000

ELECTRICAL COMPONENTS

	Component type	Description	Code
CSR / CSIR Box:	No		
Motor Protection:		4TM762KFBYY-53	13634432
Starting Device:	Relay	213516060* 213516124	
Start Capacitor:		233-280UF - 115V	

EXTERNAL CHARACTERISTICS

Base Plate: UNI V2
Tray Holder: No
Height: mm

	Internal Diameter (mm)	Material	Shape
Suction Connector	6.5	Copper	Straight
Discharge Connector	6.5	Copper	Straight
Process Connector	6.5	Copper	Straight

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%
205	129	1.66	3.98	1.59

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

115V 60Hz

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	454	155	2.02	8.87	2.92
	-15	371	148	1.91	7.23	2.50
	-20	294	138	1.75	5.72	2.14
	-25	224	124	1.56	4.34	1.80
	-30	162	110	1.36	3.13	1.47
	-35	109	95	1.17	2.11	1.15

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	440	179	2.32	8.60	2.46
	-15	354	162	2.10	6.89	2.18
	-20	275	143	1.84	5.34	1.92
	-25	205	123	1.57	3.97	1.67
	-30	146	102	1.31	2.82	1.42
	-35	98	83	1.08	1.90	1.18

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	417	196	2.55	8.15	2.13
	-15	328	171	2.22	6.39	1.91
	-20	249	146	1.88	4.83	1.71
	-25	180	120	1.55	3.50	1.50
	-30	125	95	1.24	2.42	1.31

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

