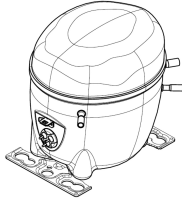


115-127V 60 1~



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: 5.09 cm³
Horse power: 1/5 hp
Approvals:

MECHANICAL DATA

Bore: 22.5 mm
Stroke: 12.8 mm
Oil Charge: 230ml
Oil Type Configuration: ESTER
Oil Type Viscosity: ISO10
Weight: 9.67 kg

ELECTRICAL DATA

Motor Type: RSIR
Starting Torque: LST
Voltage working range at 60 Hz: 104-140 V
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 7.19 Ω (± 10%) at 25°C
Run Winding Resistance: 4.74 Ω (± 10%) at 25°C
Locked Rotor Amperage (LRA): 11 A

MOUNTING ACCESSORIES

	Description	Code
Anchorage:	no	-
Overload Protector Bracket:	no	-
Capacitor Bracket:	no	-
Washer:	no	-
Pin:	no	-
Clip:	no	-
Grommets:	no	-
Sleeves:	no	-
Terminal:	no	-
Cover:	yes	113246146

ELECTRICAL COMPONENTS

	Component type	Description	Code
CSR / CSIR Box:	No		
Starting Device:	PTC	7M4R7MC1 8EA14C1 8EA21C1 8M4R7MC1 QPS2-A4R7MG1 QPS2A4R7MG1 090	
Motor Protection:		4TM427KFBYY-53	

EXTERNAL CHARACTERISTICS

Base Plate: SMALL
Tray Holder: No
Height: mm

	Internal Diameter (mm)	Material	Shape
Suction Connector	6.1	Copper	Slanted
Discharge Connector	4.94	Copper	Slanted
Process Connector	6.1	Copper	Slanted

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%
180	110	1.31	3.48	1.63

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	437	137	1.65	8.55	3.18
	-15	344	129	1.55	6.70	2.66
	-20	260	118	1.41	5.05	2.20
	-25	190	105	1.26	3.68	1.80
	-30	136	93	1.10	2.63	1.46
	-35	103	83	0.97	1.99	1.24

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	415	157	1.86	8.12	2.65
	-15	325	141	1.68	6.33	2.30
	-20	244	123	1.46	4.74	1.99
	-25	176	104	1.25	3.41	1.69
	-30	124	87	1.04	2.40	1.43
	-35	92	73	0.88	1.78	1.26

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	390	172	2.04	7.63	2.27
	-15	303	149	1.77	5.89	2.02
	-20	223	126	1.49	4.33	1.78
	-25	156	102	1.22	3.02	1.53
	-30	105	81	0.99	2.03	1.29

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

