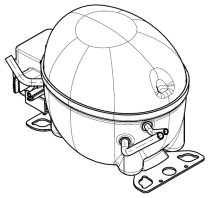
220-240V 50 1~



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 or Expansion Valve
Packing Quantity: 100
Displacement: 6.76 cm3
Horse power: 1/2- hp

Approvals:

MECHANICAL DATA

Bore: 22.5 mm
Stroke: 17 mm
Oil Charge: 180ml
Maximum Recommended Refrigerant Charge: 330 g
Oil Type Configuration: ESTER
Oil Type Viscosity: ISO22
Weight: 8 kg

ELECTRICAL DATA

Motor Type: CSIR
Starting Torque: HST
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: 16.95 Ω (± 10%) at 25°C
Run Winding Resistance: 10.1 Ω (± 10%) at 25°C
Locked Rotor Amperage (LRA): 12 A

MOUNTING ACCESSORIES

	Description	Code
Anchorage:	no	-
Overload Protector Bracket:	no	-
Capacitor Bracket:	no	-
Washer:	no	-
Pin:	no	-
Cover:	no	-
Grommets:	no	-
Sleeves:	no	-
Clip:	yes	13143000
Terminal:	yes	1027060

ELECTRICAL COMPONENTS

	Component type	Description	Code
CSR / CSIR Box:	No		
Motor Protection:		T0933/G6	2319137
Starting Device:	Relay	MTRPH-0025-65*	
Start Capacitor:		72-88UF - 330V	2252345

EXTERNAL CHARACTERISTICS

Base Plate: SMALL EUEM
Tray Holder: No
Height: mm

	Internal Diameter (mm)	Material	Shape
Suction Connector	6.1	Copper	Slanted 42ÃÂº up + 45ÃÂ° to Back
Discharge Connector	6.1	Copper	Slanted parallet BP+24ÃÂ°to Back
Process Connector	6.1	Copper	Slanted 45ÃÂ° up + 45ÃÂ° 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%
196	175	1.49	2.11	1.12

Test condition: EN 12900, Fan, Return Gas 20°C, Subcooling 0K, Evaporating: -35°C, Condensing: 40°C, Ambient: 35°C

PERFORMANCE CURVE DATA

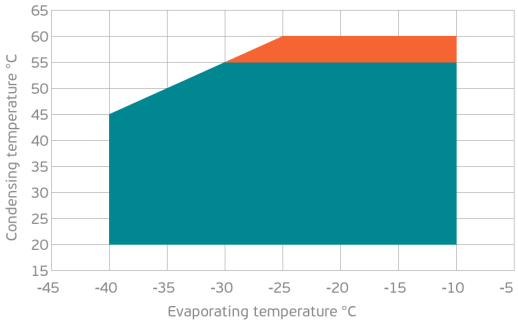
220V 50Hz

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	-10	606	249	1.69	6.38	2.44
	-15	505	235	1.65	5.29	2.15
	-20	416	220	1.60	4.33	1.89
	-25	337	204	1.56	3.50	1.65
	-30	269	188	1.52	2.78	1.43
	-35	211	171	1.49	2.18	1.23

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	543	279	1.78	6.24	1.94
	-15	450	259	1.71	5.14	1.74
	-20	367	239	1.65	4.18	1.54
	-25	295	218	1.59	3.35	1.35
	-30	233	198	1.54	2.63	1.18
	-35	180	178	1.49	2.03	1.01

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	472	304	1.86	6.01	1.55
	-15	389	278	1.77	4.93	1.40
	-20	315	253	1.69	3.98	1.25
	-25	251	228	1.62	3.15	1.10
	-30	196	205	1.55	2.46	0.96

Test condition: EN 12900, Fan, Return Gas 20°C, Subcooling 0K, Ambient: 35°C



Operating Condition
Transient Condition
Superheating

NOTE: usage of compressors outside of intended working range cannot make use of the warranty, or should be consulted with Technical support.