


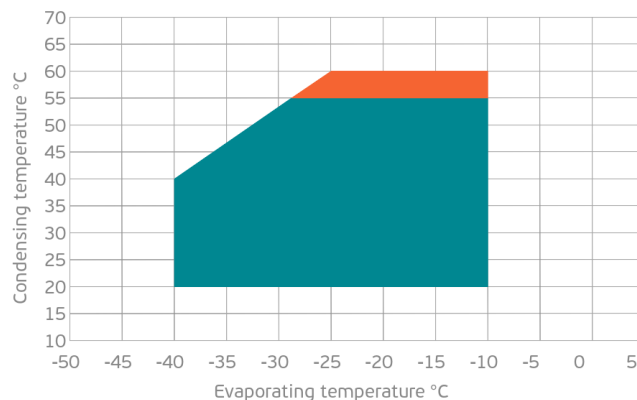


GENERAL DATA

Application:	LBP
Refrigerant:	R290
Evaporating Temperature Range:	-40°C to -10°C
Compressor Cooling:	Fan
Fan air flow:	520 m3/h
Maximum Condensing Pressure - Operating:	18.07 kgf/cm2 (psig)
Maximum Condensing Pressure - Peak:	20.16 kgf/cm2 (psig)
Type:	Hermetic reciprocating
Technology Type:	On-Off
Expansion Device:	Capillary Tube or Expansion Valve
Packing Quantity:	Single - 1 pc
Institute Approvals:	  

OPERATING ENVELOPE



MECHANICAL DATA

Bore:	36.99 mm
Stroke:	20.83 mm
Free Internal Volume:	3.3 cm ³
Maximum Recommended Refrigerant Charge:	800 ml
Weight:	17.7 kg

At maximum evaporating temperature and maximum ambient temperature.

ELECTRICAL DATA

Motor Type:	CSIR -
Starting Torque:	HST -
Maximum Motor Temperature:	130 °C
Start Winding Resistance:	8.4 Ω (± 10%) at 25°C
Run Winding Resistance:	1.9 Ω (± 10%) at 25°C
Locked Rotor Amperage (RLA):	- A

At maximum evaporating temperature and maximum ambient temperature.

ELECTRICAL COMPONENTS

	Component type	Description	Code
Inverter:	-	-	-
Run Capacitor:	-	-	-
CSR / CSIR Box:	-	-	-
Start Capacitor:	-	43-53 MFD 330V	2252375
Starting Device:	Current relay	MTRPH-59-65	2334134
Motor Protection:	External 3/4"	T0624/G6	2319096

ACCESSORIES

Description

Code

For additional accessories please contact our technical support

EXTERNAL CHARACTERISTICS

	Shape	Material	Internal Diameter (mm)
Suction Connector	Vertical	Copper	9.6
Discharge Connector	Vertical	Copper	6.42
Process Connector	Vertical	Copper	6.42

MOUNTING ACCESSORIES

Description	Code
At maximum evaporating temperature and maximum ambient temperature.	

PERFORMANCE CURVE DATA

Standard: ASHRAE / w

50 Hz

	Evaporating Temperature (°C)	Cooling Capacity (w)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate	Efficiency (w/W)
35°C Condensing Temperature	-10°C	1 882	789	4.96	19.33	2.39
	-15°C	1 550	728	4.73	15.84	2.13
	-20°C	1 256	667	4.51	12.79	1.88
	-25°C	1 002	605	4.30	10.17	1.66
	-30°C	787	543	4.11	7.97	1.45
	-35°C	611	480	3.93	6.17	1.27
	-40°C	475	417	3.77	4.79	1.14
45°C Condensing Temperature	-10°C	1 747	865	5.25	17.93	2.02
	-15°C	1 441	789	4.95	14.73	1.83
	-20°C	1 170	715	4.67	11.91	1.64
	-25°C	932	641	4.42	9.46	1.45
	-30°C	728	568	4.19	7.37	1.28
	-35°C	559	496	3.98	5.64	1.13
55°C Condensing Temperature	-10°C	1 610	935	5.52	16.52	1.72
	-15°C	1 329	844	5.15	13.58	1.57
	-20°C	1 077	754	4.81	10.96	1.43
	-25°C	854	667	4.50	8.67	1.28
	-30°C	660	581	4.23	6.68	1.14

		Evaporating Temperature (°C)	Cooling Capacity (w)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate	Efficiency (w/W)
54.4°C Condensing Temperature	Rated point	-23.3°C	932	695	4.60	9.46	1.34