

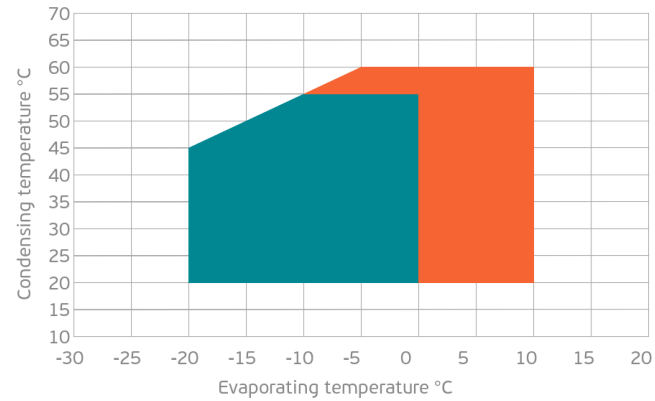


GENERAL DATA

Application:	MBP
Refrigerant:	R290
Evaporating Temperature Range:	-20°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:	30.16 mm
Stroke:	20 mm
Free Internal Volume:	2.1 cm ³
Maximum Recommended Refrigerant Charge:	350 ml
Weight:	11.8 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:	13.9 Ω (± 10%) at 25°C
Run Winding Resistance:	3.3 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:	-	53-64 MFD 330V	2252346
Starting Device:	Current relay	MTRPH-0050-65	2334140
Motor Protection:	External 3/4"	T0485/G6 MST16APN-3259	2319136

ACCESSORIES

Description

Code

For additional accessories please contact our technical support

EXTERNAL CHARACTERISTICS

	Shape	Material	Internal Diameter (mm)
Suction Connector	Slanted 42°	Copper	8.1
Discharge Connector	Straight	Copper	6.1
Process Connector	Slanted 42°	Copper	6.1

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	2 558	649	4.29	0.00	3.94
	5°C	2 178	625	4.19	0.00	3.48
	0°C	1 837	598	4.09	0.00	3.07
	-5°C	1 536	569	3.98	0.00	2.70
	-10°C	1 274	536	3.87	0.00	2.38
	-15°C	1 052	501	3.75	0.00	2.10
	-20°C	869	463	3.63	0.00	1.88
45°C Condensing Temperature	10°C	2 269	745	4.63	0.00	3.05
	5°C	1 928	710	4.48	0.00	2.71
	0°C	1 621	673	4.34	0.00	2.41
	-5°C	1 350	633	4.19	0.00	2.13
	-10°C	1 113	590	4.04	0.00	1.89
	-15°C	910	545	3.88	0.00	1.67
	-20°C	743	497	3.73	0.00	1.49
55°C Condensing Temperature	10°C	1 982	852	5.04	0.00	2.32
	5°C	1 685	804	4.83	0.00	2.10
	0°C	1 418	753	4.63	0.00	1.88
	-5°C	1 181	700	4.42	0.00	1.69
	-10°C	974	645	4.22	0.00	1.51

		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	7.2°C	1 827	819	4.90	0.00	2.23