

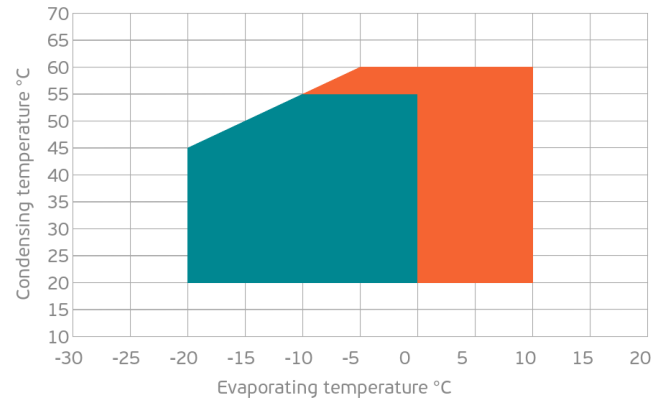


GENERAL DATA

Application:	MBP
Refrigerant:	R290
Evaporating Temperature Range:	-20°C to 10°C
Compressor Cooling:	Fan
Fan air flow:	520 m ³ /h
Maximum Condensing Pressure - Operating:	18.07 kgf/cm ² (psig)
Maximum Condensing Pressure - Peak:	20.16 kgf/cm ² (psig)
Type:	Hermetic reciprocating
Technology Type:	On-Off
Expansion Device:	Capillary Tube or Expansion Valve
Packing Quantity:	Multi - 37 pcs
Institute Approvals:	 

OPERATING ENVELOPE



MECHANICAL DATA

Bore:	27.78 mm
Stroke:	20 mm
Free Internal Volume:	2.1 cm ³
Maximum Recommended Refrigerant Charge:	350 ml
Weight:	11.4 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:	20.88 Ω (± 10%) at 25°C
Run Winding Resistance:	3.93 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
Motor Protection:	External 3/4"	T0743/G6	2319080
Starting Device:	Current relay	MTRP-0050-65	2334119

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	2 183	550	3.75	21.70	3.97
	5°C	1 866	531	3.69	18.42	3.51
	0°C	1 577	510	3.62	15.47	3.09
	-5°C	1 317	485	3.54	12.84	2.71
	-10°C	1 088	459	3.45	10.56	2.37
	-15°C	893	432	3.37	8.63	2.07
	-20°C	734	403	3.29	7.07	1.82
45°C Condensing Temperature	10°C	1 944	635	4.03	20.95	3.06
	5°C	1 661	606	3.93	17.76	2.74
	0°C	1 402	574	3.82	14.89	2.44
	-5°C	1 169	541	3.70	12.34	2.16
	-10°C	965	506	3.59	10.13	1.91
	-15°C	791	471	3.47	8.26	1.68
	-20°C	649	435	3.36	6.76	1.49
55°C Condensing Temperature	10°C	1 724	718	4.33	20.35	2.40
	5°C	1 472	678	4.18	17.22	2.17
	0°C	1 241	636	4.03	14.41	1.95
	-5°C	1 033	593	3.87	11.92	1.74
	-10°C	850	549	3.72	9.76	1.55

		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	1 592	691	4.23	18.59	2.30