

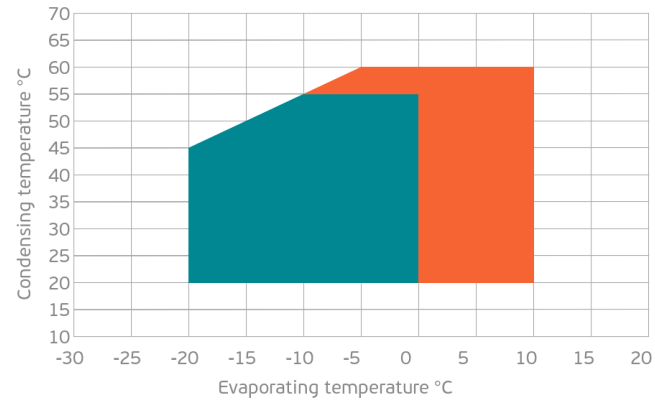


GENERAL DATA

Application:	MBP
Refrigerant:	R404A
Evaporating Temperature Range:	-20°C to 10°C
Compressor Cooling:	Fan
Fan air flow:	520 m3/h
Maximum Condensing Pressure - Operating:	24.71 kgf/cm2 (psig)
Maximum Condensing Pressure - Peak:	27.71 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:	20.87 mm
Stroke:	13.2 mm
Free Internal Volume:	2.1 cm ³
Maximum Recommended Refrigerant Charge:	350 ml
Weight:	10.3 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:	27.4 Ω (± 10%) at 25°C
Run Winding Resistance:	7.9 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	2252347
Motor Protection:	External 3/4"	T0186/G6	2319069
Starting Device:	Current relay	MTRP-38-65	2334122

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	1 092	246	1.51	24.86	4.44
	5°C	919	238	1.48	20.67	3.86
	0°C	766	229	1.45	17.06	3.35
	-5°C	634	218	1.41	14.00	2.90
	-10°C	522	206	1.37	11.44	2.53
	-15°C	429	193	1.32	9.36	2.23
	-20°C	356	178	1.28	7.72	2.00
45°C Condensing Temperature	10°C	937	283	1.65	23.68	3.31
	5°C	787	271	1.60	19.64	2.90
	0°C	656	258	1.55	16.17	2.55
	-5°C	542	243	1.50	13.23	2.23
	-10°C	446	227	1.44	10.80	1.97
	-15°C	367	209	1.37	8.83	1.76
	-20°C	305	190	1.30	7.29	1.61
55°C Condensing Temperature	10°C	788	322	1.80	22.49	2.45
	5°C	659	305	1.73	18.56	2.16
	0°C	547	287	1.66	15.20	1.91
	-5°C	450	268	1.58	12.36	1.68
	-10°C	368	247	1.50	10.02	1.49

		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	722	310	1.76	20.29	2.33