



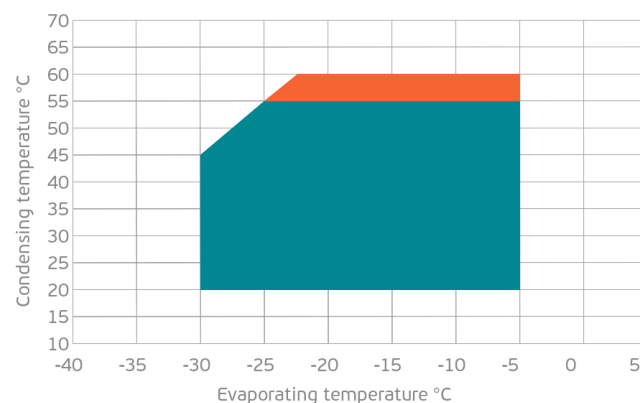


GENERAL DATA

Application:	LBP
Refrigerant:	R134a
Evaporating Temperature Range:	-30°C to -5°C
Compressor Cooling:	Fan
Fan air flow:	520 m ³ /h
Maximum Condensing Pressure - Operating:	13.92 kgf/cm ² (psig)
Maximum Condensing Pressure - Peak:	15.62 kgf/cm ² (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:	11.4 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:	31.5 Ω (± 10%) at 25°C
Run Winding Resistance:	4.8 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:	-	-	-
Starting Device:	Current relay	MTRP-47-65	2334111
Motor Protection:	External 3/4"	T0546/G6	2319089
Start Capacitor:	-	53-64 MFD 330V	2252346

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	-5°C	961	408	2.69	18.87	2.36
	-10°C	776	369	2.55	15.16	2.10
	-15°C	617	332	2.43	12.02	1.86
	-20°C	483	296	2.31	9.39	1.63
	-25°C	372	262	2.20	7.21	1.42
	-30°C	281	229	2.08	5.43	1.23
45°C Condensing Temperature	-5°C	920	438	2.80	18.07	2.10
	-10°C	741	392	2.63	14.49	1.89
	-15°C	588	349	2.48	11.45	1.68
	-20°C	458	309	2.35	8.90	1.49
	-25°C	350	270	2.23	6.79	1.30
	-30°C	261	234	2.12	5.05	1.12
55°C Condensing Temperature	-5°C	880	468	2.91	17.27	1.88
	-10°C	707	415	2.71	13.81	1.70
	-15°C	559	366	2.53	10.88	1.52
	-20°C	433	321	2.39	8.42	1.35
	-25°C	329	279	2.26	6.37	1.18

		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	364	292	2.30	7.05	1.24