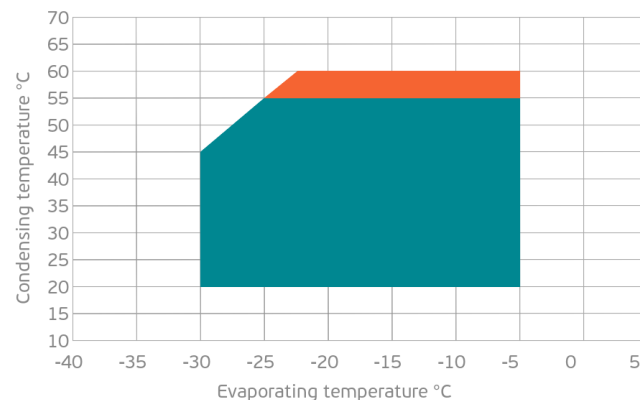


GENERAL DATA

Application:	LBP
Refrigerant:	R134a
Evaporating Temperature Range:	-30°C to -5°C
Compressor Cooling:	Static
Fan air flow:	m3/h
Maximum Condensing Pressure - Operating:	13.92 kgf/cm2 (psig)
Maximum Condensing Pressure - Peak:	15.62 kgf/cm2 (psig)
Type:	Hermetic reciprocating
Technology Type:	On-Off
Expansion Device:	Capillary Tube or Expansion Valve
Packing Quantity:	Multi - 37 pcs
Institute Approvals:	CE

OPERATING ENVELOPE



MECHANICAL DATA

Bore:	24.28 mm
Stroke:	15.92 mm
Free Internal Volume:	2.1 cm ³
Maximum Recommended Refrigerant Charge:	350 ml
Weight:	10.1 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:	8.3 Ω (± 10%) at 25°C
Run Winding Resistance:	2 Ω (± 10%) at 25°C
Locked Rotor Amperage (RLA):	22 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	MTRPH-0048-31	2271160
Start Capacitor:	-	145-174 MFD 250V	2252282
Motor Protection:	External 3/4"	T0919/J5	2324116

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	6.45
Process Connector	Slanted 42°	Copper	6.45

MOUNTING ACCESSORIES

Description	Code
At maximum evaporating temperature and maximum ambient temperature.	

PERFORMANCE CURVE DATA

Standard: ARI 540 / w

							60 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	543	273	3.45	12.62	1.99
		-10°C	441	246	3.26	10.19	1.79
		-15°C	351	221	3.10	8.06	1.59
		-20°C	272	196	2.96	6.22	1.38
		-25°C	204	172	2.84	4.66	1.19
		-30°C	148	148	2.72	3.35	1.00
45°C Condensing Temperature		-5°C	481	293	3.54	12.39	1.64
		-10°C	385	261	3.35	9.82	1.47
		-15°C	300	231	3.18	7.61	1.30
		-20°C	229	203	3.03	5.76	1.12
		-25°C	169	177	2.89	4.25	0.96
		-30°C	122	152	2.77	3.07	0.80
55°C Condensing Temperature		-5°C	422	314	3.68	12.21	1.34
		-10°C	328	276	3.47	9.41	1.19
		-15°C	247	241	3.28	7.05	1.03
		-20°C	180	210	3.10	5.10	0.86
		-25°C	127	181	2.94	3.57	0.70



		Evaporating Temperature (°C)	Cooling Capacity (w)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate	Efficiency (w/W)
48.9°C	Rated point	-23.3°C	171	188	2.96	4.49	0.91
Condensing Temperature							