

MECHANICAL DATA

Displacement:	42 cm ³ /rev (7.3 m ³ /h)
Maximum Recommended Refrigerant Charge:	3.5 ml
Weight:	32 kg

At maximum evaporating temperature and maximum ambient temperature.

ELECTRICAL DATA

Motor Type:	Induction motor -
Pole:	2 -
Starting Torque:	HST -
Voltage Working Range 50Hz:	198-242 V
Voltage Working Range 60Hz:	- V
Maximum Motor Temperature:	130 °C
Motor Insulation Class:	B -
Run Winding Resistance:	0.7 Ω (± 10%) at 25°C
Start Winding Resistance:	1.4 Ω (± 10%) at 25°C

At maximum evaporating temperature and maximum ambient temperature.

ELECTRICAL COMPONENTS

	Component type	Description	Code
Motor Protection:	Internal protector	-	-
Starting Device:	Potential Relay	HLR3800-3E3D	-
Start Capacitor:	Electrolytic type, standard duty, P1 fuse	160 uF (≥ 330V)	-
Run Capacitor:	Polypropylene type, Class B/450V, P2 fuse	60 uF (≥ 450V)	-
CSR Box:	yes	-	-

ACCESSORIES

	Includes
Cover:	yes
Cover Gasket:	yes
Grounding Screw:	yes
Liquid Injection:	DTC Valve - 11/16" - 16UN
Temperature Sensor:	yes
Grommets:	yes
Sleeves:	yes
Crankase Heater:	70
Noise Insulation:	-
Rotolock Valves:	-
Rotolock Adapter:	-
Service Valves:	-

For additional accessories please contact our technical support

EXTERNAL CHARACTERISTICS

Base Plate Max Dimensions:	239x239mm
Base Plate Holes Interaxis:	191x191mm
Height:	419mm
Compressor Shell Diameter:	168mm
Hanger Tab:	yes
Oil Side Glass:	yes

	Shape	Material	Internal Diameter (mm)
Suction Connector	Brazing	Copper plated steel tube	ID 22.4 mm
Discharge Connector	Brazing	Copper plated steel tube	ID 12.92 mm

RATED POINTS

	220V 50Hz	220V 50Hz
Conditions	EN12900: Te -35°C; Tc 40°C; Rg 20°C. No subcooling; Ta 35°C	ARI540(2015): Te -31.6°C; Tc 40.6°C; Rg 4.4°C; No subcooling; Ta 35°C
Capacity (W)	1646	1770
Power Input (W)	1519	1599
COP (W/W)	1.09	1.11
Rated Load Amps RLA (A)	7.2	7.8
Locked Rotor Amps LRA (A)	76	76
Maximum Operating Current MOC (A)	14.2	14.2
Sound Power Level (dBA)	71	71

PERFORMANCE CURVE DATA

Standard: EN 12900 / w

50 Hz

	Evaporating Temperature (°C)	Cooling Capacity (w)	Power Consumption (W)	Efficiency (w/W)
35°C Condensing Temperature	0°C	6 620	2 024	3.27
	-5°C	5 626	1 925	2.92
	-10°C	4 739	1 828	2.59
	-15°C	3 953	1 733	2.28
	-20°C	3 263	1 642	1.99
	-25°C	2 665	1 553	1.72
	-30°C	2 155	1 469	1.47
	-35°C	1 728	1 389	1.24
	-40°C	1 378	1 313	1.05
45°C Condensing Temperature	0°C	5 714	2 349	2.43
	-5°C	4 852	2 240	2.17
	-10°C	4 084	2 133	1.91
	-15°C	3 405	2 029	1.68
	-20°C	2 810	1 929	1.46
	-25°C	2 296	1 833	1.25
	-30°C	1 858	1 742	1.07
	-35°C	1 490	1 655	0.90
	-40°C	1 189	1 574	0.76

	Evaporating Temperature (°C)	Cooling Capacity (w)	Power Consumption (W)	Efficiency (w/W)
55°C Condensing Temperature	0°C	4 715	2 776	1.70
	-5°C	3 999	2 662	1.50
	-10°C	3 364	2 551	1.32
	-15°C	2 807	2 444	1.15
	-20°C	2 323	2 341	0.99
	-25°C	1 907	2 243	0.85
	-30°C	1 554	2 150	0.72
	-35°C	1 261	2 063	0.61
	-40°C	1 022	1 982	0.52