



## MECHANICAL DATA

<b>Displacement:</b>	189.1 cm <sup>3</sup> /rev (32.9 m <sup>3</sup> /h)
<b>Maximum Recommended Refrigerant Charge:</b>	10.5 ml
<b>Weight:</b>	54 kg

At maximum evaporating temperature and maximum ambient temperature.

## ELECTRICAL DATA

<b>Motor Type:</b>	Induction motor -
<b>Pole:</b>	2 -
<b>Starting Torque:</b>	HST -
<b>Voltage Working Range 50Hz:</b>	342-462 V
<b>Voltage Working Range 60Hz:</b>	414-506 V
<b>Maximum Motor Temperature:</b>	130 °C
<b>Motor Insulation Class:</b>	B -
<b>Run Winding Resistance:</b>	1.06 Ω (± 10%) at 25°C
<b>Start Winding Resistance:</b>	- Ω (± 10%) at 25°C

At maximum evaporating temperature and maximum ambient temperature.

## ELECTRICAL COMPONENTS

	Component type	Description	Code
<b>Motor Protection:</b>	Internal protector	-	-
<b>Starting Device:</b>	-	-	-
<b>Start Capacitor:</b>	-	-	-
<b>Run Capacitor:</b>	-	-	-
<b>CSR Box:</b>	-	-	-

## ACCESSORIES

	Includes
<b>Cover:</b>	yes
<b>Cover Gasket:</b>	yes
<b>Grounding Screw:</b>	yes
<b>Liquid Injection:</b>	-
<b>Temperature Sensor:</b>	-
<b>Grommets:</b>	yes
<b>Sleeves:</b>	yes
<b>Crankcase Heater:</b>	90
<b>Noise Insulation:</b>	-
<b>Rotolock Valves:</b>	-
<b>Rotolock Adapter:</b>	-
<b>Service Valves:</b>	-

For additional accessories please contact our technical support

## EXTERNAL CHARACTERISTICS

<b>Base Plate Max Dimensions:</b>	232x232mm
<b>Base Plate Holes Interaxis:</b>	191x191mm
<b>Height:</b>	506mm
<b>Compressor Shell Diameter:</b>	197mm
<b>Hanger Tab:</b>	yes
<b>Oil Side Glass:</b>	yes

	Shape	Material	Internal Diameter (mm)
<b>Suction Connector</b>	Rotolock	Copper plated steel tube	1 3/4"-12UN
<b>Discharge Connector</b>	Rotolock	Copper plated steel tube	1 1/4"-12 UNF 2A

**RATED POINTS**

	380V 50Hz	460V 60Hz	380V 50Hz	460V 60Hz
<b>Conditions</b>	EN12900: Te -10°C; Tc 45°C; Rg 20°C; No subcooling; Ta 35°C	EN12900: Te -10°C; Tc 45°C; Rg 20°C; No subcooling; Ta 35°C	ARI540(2004): Te -6.7°C; Tc 48.9°C; Rg 4.4°C; No subcooling; Ta 35°C	ARI540(2004): Te -6.7°C; Tc 48.9°C; Rg 4.4°C; No subcooling; Ta 35°C
<b>Capacity (W)</b>	19575	23490	19536	23443
<b>Power Input (W)</b>	8801	10561	9671	11605
<b>COP (W/W)</b>	2.2	2.22	2.02	2.02
<b>Rated Load Amps RLA (A)</b>	15.2	15.2	16.3	16.3
<b>Locked Rotor Amps LRA (A)</b>	121	121	121	121
<b>Maximum Operating Current MOC (A)</b>	26.5	26.5	26.5	26.5
<b>Sound Power Level (dBA)</b>	77	79	77	79

**PERFORMANCE CURVE DATA**

Standard: EN 12900 / w

50 Hz

	Evaporating Temperature (°C)	Cooling Capacity (w)	Power Consumption (W)	Efficiency (w/W)
<b>35°C</b> Condensing Temperature	10°C	44 434	8 536	5.21
	5°C	37 417	8 146	4.59
	0°C	31 479	7 827	4.02
	-5°C	26 460	7 556	3.50
	-10°C	22 200	7 312	3.04
	-15°C	18 540	7 072	2.62
	-20°C	15 322	6 814	2.25
	-25°C	12 385	6 516	1.90
	-30°C	9 571	6 155	1.56
<b>45°C</b> Condensing Temperature	10°C	37 233	9 744	3.82
	5°C	31 771	9 379	3.39
	0°C	27 105	9 075	2.99
	-5°C	23 074	8 811	2.62
	-10°C	19 520	8 564	2.28
	-15°C	16 283	8 311	1.96
	-20°C	13 204	8 032	1.64
	-25°C	10 124	7 703	1.31
	-30°C	6 883	7 302	0.94

	Evaporating Temperature (°C)	Cooling Capacity (w)	Power Consumption (W)	Efficiency (w/W)
55°C Condensing Temperature	10°C	29 772	11 677	2.55
	5°C	25 611	11 372	2.25
	0°C	21 962	11 119	1.98
	-5°C	18 667	10 895	1.71
	-10°C	15 564	10 680	1.46
	-15°C	12 496	10 449	1.20
	-20°C	9 303	10 183	0.91
	-25°C	5 825	9 857	0.59