TECHNICAL INFORMATION

5.1 Technical data

			..2.0	..2.0	..2.0	..2.0
Models		m.u.	8 HP	10 HP	12 HP	
Cooling performance (AT 35°C; AT 27°C)						
Maximum cooling capacity Dual Power	(1)	kW	-	2,64	3,10	3,10
Nominal cooling power	(1)	kW	1,65	2,04	2,35	2,35
Minimum Cooling Capacity	(1)	kW	-	0,83	0,92	0,92
Dehumidification capacity		L/24h	0,7	0,8	0,9	0,9
total input power		kW	0,58	0,63	0,73	0,73
EER			2,84	3,24	3,22	3,22
Energy efficiency class	(2)		A	A+	A+	A+
Heating performance (AT 7°C; AT °C)						
Maximum heat output Dual Power	(3)	kW	-	2,64	3,05	3,05
Nominal heat power	(3)	kW	1,70	2,10	2,36	2,36
Electric heater additional power		W	-	-	-	900
Minimum heat output	(3)	kW	-	0,71	0,79	0,79
Total absorbed power	(3)	kW	0,55	0,64	0,72	0,72
COP			3,12	3,29	3,28	3,28
Energy class			A			
Aeraulic data indoor						
Ventilation speed		Nr.	3	3	3	3
Air flow at the maximum fan speed		m^3/h	360	380	400	400
Air flow at the medium fan speed		m^3/h	300	310	320	320
Air flow at the minimum fan speed		m^3/h	240	260	270	270
Aeraulic data outdoor						
Ventilation speed		Nr.	3	3	3	3
Air flow at the maximum fan speed		m^3/h	430	460	480	480
Air flow at the medium fan speed		m^3/h	360	380	390	390
Air flow at the minimum fan speed		m^3/h	320	330	340	340
Electrical data						
total input power		kW	0,69	0,95	1,06	1,96
Maximum absorbed current		A	3,00	4,40	4,80	4,80
Power Supply		V/F/Hz	230-1-50	230-1-50	230-1-50	230-1-50
Sound data						
Nominal sound pressure	(4)	dB(A)	38	39	41	41
Minimum sound pressure level	(4)	dB(A)	29	26	27	27
REFRIGERATION CIRCUIT						
Refrigerant			R410a			
Refrigerant charge		kg	0,48	0,56	0,56	0,56
Compressor			Rotary	Rotary - DC Inverter	Rotary - DC Inverter	Rotary - DC Inverter

1. Outdoor air temperature 35 °, relative humidity 50%. Ambient temperature 27 ° C; relative humidity 50%.
2. Energy Efficiency according to Directive 626/2011
3. Fresh air temperature 7 °C, relative humidity 72%. Room temperature 20°C, relative humidity 28%. Performance according to UNI 13141-7
4. Internal side sound pressure measured in semi-anechoic chamber at a distance of 2 m.

Operating Limits:
Min. Temp. cooling Ambient T 18 °C / Outdoor T -5 °C
Max Temp. cooling Ambient T 32 °C / Outdoor T 43 °C
Min. Temp. heating Ambient T 5 °C / Outdoor T -10 °C
Max Temp. heating Ambient T 25 °C/ Outdoor T 18 °C

Reference conditions

		Environment T	External T
(1)	Cooling mode tests (EN 14511)	DB 27°C - WB 19°C	DB 35°C - WB 24°C
(2)	Heating mode tests (EN 14511)	DB 20°C - WB 15°C	DB 7°C - WB 6°C
(3)	Heating mode tests	DB 20°C - WB 15°C	DB -7°C - WB -8°C
(4)	Internal side sound pressure measured in semi-anechoic chamber at a distance of 2 m.		
(5)	Internal side sound pressure measured in accordance with regulation EN 12012		

Operating limits

	Indoor environment T	External environment T
Maximum operating temperature in cooling mode	DB 35°C - WB 24° C	DB 43°C - WB 32° C
Minimum operating temperature in cooling mode	DB 18°C	DB -5°C
Maximum operating temperatures in heating mode	DB 27°C	DB 24°C - WB 18° C
Minimum operating temperatures in heating mode	DB 5°C	DB 10°C

5.2 Dimensions

			..2.0	..2.0	..2.0
Models		m.u.	8 HP-ON-OFF	10 HP-DC Inverter	12 HP-DC Inverter
Product dimensions and weight					
Total widh		mm	1010	1010	1010
Total height		mm	549	549	549
Total depth		mm	165	165	165
Empty weight		kg	41,0	41,0	41,0
Wall hole diameter		mm	162	162	162
Wall holes distance		mm	293	293	293

5.3 RED Compliance Statement

Compliance with 2014/53/EU Radio Equipment Directive (RED).
In accordance with Article 10.8(a) and 10.8(b) of the RED, the following table provides information on the frequency bands used and the maximum RF transmit power of the product for sale in the EU:

Frequency range (MHz)	Max. Transmit Power
2400-2472	<20

Hereby, the company declares that the device is in compliance with Directive 2014/53/EU.

⚠ For declarations of conformity, certificates and other certification details please consult the website.

This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

5.4 Safety

This equipment is designed with the utmost care for the safety of those who install and use it.
However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment.
All guidelines must therefore be allowed at all times to ensure safe use of the equipment.