Dane techniczne ..2.0

			..2.0 MINI	..2.0			..2.0 ELEC 2 kW	
Models		**u.m.**	**9 HP**	**10 HP**	**12 HP**	**15 HP**	**12 HP**	**15 HP**
Cooling performance (A 35 °C; A 27 °C)								
Maximum cooling capacity Dual Power	(1)	kW	2,35	2,64	3,10	3,50	3,10	3,50
Nominal cooling power	(1)	kW	1,73	2,09	2,33	2,87	2,33	2,87
Minimum Cooling Capacity	(1)	kW	0,70	0,83	0,92	1,40	0,92	1,40
Dehumidification capacity		L/h	0,7	0,8	0,9	1,2	0,9	1,2
Total input power		kW	0,57	0,64	0,72	1,04	0,72	1,04
EER			3,01	3,29	3,25	2,74	3,25	2,74
Classe di efficienza energetica (Dir. 626/2011)	(2)		A	A+	A+	A	A+	A
SEER			4,60	4,70	4,60	4,10	4,60	4,10
Energy efficiency class (EN 14825)	(3)		B	A	B	C	B	C
Heating performance (A 7 °C; A 20 °C)								
Maximum heat output Dual Power	(4)	kW	2,40	2,64	3,05	3,50	3,05	3,50
Nominal heat power	(4)	kW	1,71	2,08	2,31	2,75	2,31	2,75
Electric heater additional power		kW	-	-	-	-	0,90/1,80	0,90/1,80
Minimum heat output	(4)	kW	0,75	0,71	0,79	1,35	0,79	1,35
Total absorbed power	(4)	kW	0,54	0,63	0,71	0,88	0,71	0,88
COP			3,15	3,31	3,28	3,12	3,28	3,12
Energy efficiency class (Dir. 626/2011)	(2)		A	A+	A+	A	A+	A
SEER			3,70	3,80	3,70	3,40	3,70	3,40
Energy efficiency class (EN 14825)	(3)		A	A	A	A	A	A
Electrical data								
Total input power		kW	0,90	0,95	1,06	1,45	1,96 (7)	2,35 (7)
Maximum absorbed current		A	3,90	4,10	4,60	6,30	8,52	10,22
Tension		V/ph/ Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Internal aeraulic data (5)								
Ventilation speed	(6)	Nr.	3+2	3+2	3+2	3+2	3+2	3+2
General features								
Maximum indoor air flow rate		m^3/h	360	380	400	450	400	450
Maximum external air flow rate		m^3/h	430	460	480	550	480	550
Average indoor air flow rate		m^3/h	300	310	320	350	320	350
Average outside air flow rate		m^3/h	360	380	390	460	390	460
Minimum indoor air flow rate		m^3/h	240	260	270	300	270	300
Minimum external air flow rate		m^3/h	320	330	340	400	340	400
Compressor type			Rotary - DC Inverter					

			..2.0 MINI	..2.0			..2.0 ELEC 2 kW	
Models	**u.m.**		**9 HP**	**10 HP**	**12 HP**	**15 HP**	**12 HP**	**15 HP**
Sound data								
Nominal sound pressure	(7)	dB(A)	39	39	41	43	41	29
Minimum sound pressure	(7)	dB(A)	27	26	27	29	27	29
Refrigerant gas data								
Refrigerant			R290	R32	R32	R32	R32	R32
Refrigerant charge		Kg	0,14	0,50	0,50	0,50	0,50	0,50
Product dimensions and weights								
Width		mm	810	1010	1010	1010	1010	1010
Height		mm	549	549	549	549	549	549
Depth		mm	165	165	165	165	165	165
Empty weight		kg	38,0	41,0	41,0	41,0	41,0	41,0
Wall hole diameter		mm	162	162	162	202	162	202
Wall hole spacing		mm	293	293	293	293	293	293

(1) Outdoor air temperature 35°; relative humidity 41%. Ambient air temperature 27°C; relative humidity 47%. Performance according to EN 14511
(2) Energy classification according to Directive 626/2011 - Valid for fiscal deductions
(3) Energy classification according to Directive EN 14825:2022
(4) Outdoor air temperature 7 °C; relative humidity 87% / Ambient temperature 20 °C, relative humidity 59% / Performance according to EN 14511
(5) Efficiency according to EN 13141-7. Indoor temperature 20 °C - Indoor humidity 28% - Outdoor temperature 7 °C - Outdoor humidity 72%.
(6) 3 manual speeds plus automatic speed plus Boost
(7) The data are shown with one resistor enabled (900W), as set by the factory. If the second resistor is enabled, the power must be increased by a further 900 W

Operating limits::
Min. cooling temperature T environment 18°C / T external -5 °C
Max. cooling temperature T environment 32°C / T external 43 °C
Min. heating temperature T environment 5 °C / T external -15 °C (- 25 °C for ELEC versions)
Max. heating temperature T environment 25 °C / T external 18 °C

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Dane techniczne
..2.0 Vertical / ..2.0 Ceiling

			..2.0 VERTICAL		..2.0 CEILING	
Models		**u.m.**	**10 HP**	**12 HP**	**12 HP**	**12-ELEC**
Cooling performance (A 35 °C; A 27 °C)						
Maximum cooling capacity Dual Power	(1)	kW	2,60	3,11	3,05	3,05
Nominal cooling power	(1)	kW	2,04	2,35	2,25	2,25
Minimum Cooling Capacity	(1)	kW	0,81	0,92	1,10	1,10
Dehumidification capacity		L/h	0,8	0,9	0,90	0,90
Total input power		kW	0,75	0,85	0,70	0,70
EER			2,72	2,75	3,21	3,21
Energy efficiency class	(2)		A	A	A	A
Heating performance (A 7 °C; A 20 °C)						
Maximum heat output Dual Power	(3)	kW	2,64	3,05	3,00	3,00
Nominal heat power	(3)	kW	2,10	2,36	2,21	2,21
Minimum heat output	(3)	kW	0,68	0,79	0,94	0,94
Additional power heating element		kW	-	-	-	0,90/1,80
Total absorbed power	(3)	kW	0,67	0,75	0,70	0,70
COP			3,10	3,15	3,16	3,16
Energy efficiency class			A	A	A	A
Electrical data						
Total input power		kW	0,95	1,06	1,15	2,05
Maximum absorbed current		A	4,40	4,80	5,10	9,00
Tension		V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50
Internal aeraulic data (4)						
Ventilation speed		Nr.	3	3	-	-
General features						
Maximum indoor air flow rate		m^3/h	380	400	420	420
Maximum external air flow rate		m^3/h	460	480	540	540
Average indoor air flow rate		m^3/h	310	320	350	350
Average outside air flow rate		m^3/h	380	390	450	450
Minimum indoor air flow rate		m^3/h	260	270	280	280
Minimum external air flow rate		m^3/h	330	340	360	360
Compressor type			Rotary - DC Inverter		Rotary - DC Inverter	

			..2.0 VERTICALE		..2.0 CEILING	
Modelli		**u.m.**	**10 HP**	**12 HP**	**12 HP**	**12-ELEC**
Sound data						
Nominal sound pressure	(5)	dB(A)	41	43	-	-
Minimum sound pressure	(5)	dB(A)	28	29	-	-
Room-side sound levels (UNI EN 3741; 3744) (6)						
Sound power transmitted to the structure Lw		dB(A)	-	-	62,0	62,0
Average sound pressure at 1 m Lp		dB(A)	-	-	48,0	48,0
Average sound pressure at 3 m Lp		dB(A)	-	-	40,0	40,0
Refrigerant gas data						
Type of refrigerant			R410a	R410a	R32	R32
Refrigerant quantity		Kg	0,56	0,56	0,50	0,50
Product dimensions and weights						
Width		mm	500	500	1053	1053
Height		mm	1398	1398	255	255
Depth		mm	185	185	740	740
Empty weight		Kg	57,0	57,0	69,0	69,0
Wall hole diameter		mm	162	162	162	162
Hole spacing on wall		mm	293	293	-	-

(1) Outdoor air temperature 35°; relative humidity 41%. Ambient air temperature 27°C; relative humidity 47%. Performance according to EN 14511
(2) Energy classification according to directive 626/2011
(3) Outdoor air temperature 7 °C; relative humidity 87% / Ambient temperature 20 °C, relative humidity 59% / Performance according to EN 14511
(4) Efficiency according to EN 13141-7. Indoor temperature 20 °C - Indoor humidity 28% - Outdoor temperature 7 °C - Outdoor humidity 72%.
(5) System-side sound pressure in semi-anechoic chamber at a distance of 2 m measured according to ISO 7779
(6) Data according to EN 3741 and EN 3744

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