HEAT PUMPS

H-POWER HIGH EFFICIENCY HEAT PUMP A++

NEW

HEAT PUMP INVERTER AIR/WATER WITH AXIAL FAN

- Single and Double compressor SCROLL INVERTER
- DC motor fan BRUSHLESS
- DC BRUSHLESS circulator (optional)
- Compact dimensions (1,198x1,198mm)
- Possibility of cascade installation
- Highest EER and COP values on the market
- Kit for solar management
- Integrated condensing pressure control
- Mixing valve management

H-POWER		0140	0250	0260	0270
COOLING					
(1) Pot. cooling	kW	29.6	36.3	48	53.2
(1) Pot. absorbed	kW	9.54	11.7	15.5	17.7
(1) E.E.R.	W/W	3.10	3.10	3.10	3.01
(2) Pot. cooling	kW	37.3	55.3	65.3	66
(2) Pot. absorbed	kW	8.91	13	15.5	16.6
(2) E.E.R.	W/W	4.19	4.25	4.21	3.98
(5) SEER	W/W	4.80	4.72	4.86	4.85
(1) Water Flow	L/s	1.42	1.74	2.30	2.55
(1) Available static pressure	kPa	146	138	155	151
HEATING					
(3) Pot. heating	kW	40	50.2	61.4	66.8
(3) Pot. absorbed	kW	9.84	12.2	15	16.3
(3) C.O.P	W/W	4.07	4.11	4.09	4.10
(4) Pot. heating	kW	40.6	49.7	59.5	66.6
(4) Pot. absorbed	kW	12.5	15.4	18.3	20.4
(4) C.O.P	W/W	3.25	3.23	3.25	3.26
(6) SCOP	W/W	4.25	4.16	3.92	3.94
(1) Water flow	L/s	1.94	2.38	2.85	3.19
(4) Available static pressure	kPa	125	109	130	122
Energy Efficiency (35°/55°C)		A++/A++	A++/A+	A++/A+	A++/A+
compressor type	n°	Scroll DC Inverter			
No. of compressors	n°	1	2	2	2
Soda		R32	R32	R32	R32
Rated fan airflow	L/s	4368	5431	6417	5547
(1) Water flow circ. hydraulic	L/s	1.42	1.74	2.30	2.55
hydraulic connections	Inch	1" 1/2 (DN 40)	1" 1/2 (DN 40)	1" 1/2 (DN 40)	1" 1/2 (DN 40)
maximum pressure	bar	6	6	6	6
minimum volume of water		286	389	490	522
(9) Sound pressure	dB(A)	77	83	84	84
electrical supply		400V/3P+N+T/50Hz			
Pot max. absorbed	kW	24	33	39	43
Max current absorbed	A	38	52	62	68
Weight	kg	440	540	560	600
Dimensions (LxDxH)	mm	1850x1110x1920	1850x1110x1920	1850x1110x1920	1850x1110x1920
tank volume	L	400	400	400	400
expansion vessel	L	24	24	24	24
Code		8897614	8897625	8897626	8897627

Performance referred to the following conditions:
(1) Cooling: outside air temperature 35°C; inlet/outlet water temperature 12/7°C.
(2) Cooling: outside air temperature 35°C; water temperature inlet/outlet 23/18°C
(3) Heating: outside air temperature 7°C b.s. 6°C b.u.; inlet/outlet water temperature. 30/35°C.
(4) Heating: outside air temperature 7°C b.s. 6°C b.u.; inlet/outlet water temperature. 40/45°C.
(5) Cooling: inlet/outlet water temperature 7/12°C.
(6) Heating: average weather conditions; Tbiv = -7°C; low temperature.
(9) Sound power: heating mode condition (3); value determined on the basis of measurements carried out in accordance with the UNI EN ISO 9614-2 standard, in accordance with the requirements of Eurovent certification.
N.B. performance data shown is indicative and may be subject to change. Furthermore, the efficiency declared in points (1), (2), (3) and (4) must be understood as referring to the instantaneous power according to UNI EN 14511. The data declared in points (5) and (6) are determined in accordance with UNI EN 14825.

nipon coolair