

## ELFOEnergy Horus

Air source heat pump for outdoor installation

- Top efficiency unit for cold climates suitable for both heating floor and/or terminal units
- Domestic hot water production
- COP > 3.9



# WSAR-MT-E 21-81

## Air source heat pump for outdoor installation

DF081007GB-00

The heat pump ELFOEnergy Horus guarantees the maximum energy efficiency in the most different conditions: heating/cooling floor, terminals and domestic hot water. Horus is optimised for heating operation and, due to its incredibly quiet operation, it is ideal in the residential application.



The unit is to be installed in the garden and is perfect for single dwellings. All the technical elements of the heat pump are hidden in its elegant design. The structure is conceived to protect the coil from wind and snow and directs the air flow and the noise associated to the ground instead of horizontally, towards other neighbouring lands.

- Domestic hot water preparation up to 60°C
- Operation down to -15°C
- Reliability and easy maintenance with simple side panels removal
- Refrigerant R407c to combine compact dimensions, high efficiency and extended operating limits
- Axial fan available also in high efficiency version
- Quiet operation: insulated hoods to reduce the noise
- New multi-function room keypad including ambient chrono-thermostat and optional installation components management (like zone valves, pumps, boiler, domestic hot water production...)
- Base in satinized stainless steel AISI 304 with adjustable feet
- Water circulator available also in high efficiency version
- Modular electric heating 2-4-6 kW



Refr. R-407C



Ext. Inst.



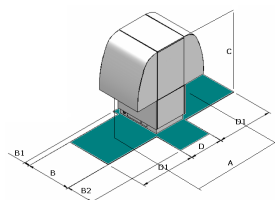
Ice Protection

### Technical data

Sizes			21	25	31	41	51	61	81
<b>WSAR-MT-E</b>									
▶ Cooling capacity	(1)	kW	6,44	8,50	10,7	11,9	14,5	18,1	22,4
Total power input	(1)	kW	2,26	2,99	3,81	4,46	5,61	6,26	8,07
EER (Eurovent)	(2)	-	2,88	2,87	2,83	2,68	2,61	2,92	2,81
ESEER		-	2,62	2,62	2,71	2,57	2,46	2,74	2,51
▶ Heating capacity	(3)	kW	6,13	8,16	10,0	11,2	14,0	17,7	22,9
Total power input	(3)	kW	1,57	2,05	2,51	2,87	3,55	4,42	5,87
COP (EN 14511)		-	3,91	3,98	3,98	3,90	3,94	4,01	3,90
Number and compressor type		-	1 SCROLL						
Air flow		l/s	694	778	889	944	944	1944	2222
Sound pressure level	(4)	dB(A)	31	33	35	36	37	43	44
Electric supply		V/Ph/Hz	400/3/50+N						

#### Data referred to the following conditions:

- (1) Internal exchanger water 23/18°C; external air temperature 35°C BS., 50% U.R.
- (2) Efficiency in accordance with EUROVENT documentation "Rating Standard for Liquid Chilling Packages" 6/C/003-2006, also considering possible defrost cycles. Total input is obtained from the compressor input + fan input.
- (3) Internal exchanger water 30/35°C; external air temperature 7°C BS., +6°C BU
- (4) Sound levels refer to units with full load under nominal test conditions. The sound pressure is measured at 10 m from the external surface of the unit in open field conditions, in accordance with EN 3744.



CAUTION! For trouble-free operation of the unit it is essential to maintain the safety distances indicated by the green areas.

Sizes		21	25	31	41	51	61	81
Lenght (A)	mm	1420	1420	1420	1420	1420	1835	1835
Width (B)	mm	800	800	800	800	800	1250	1250
Height (C)	mm	1485	1485	1485	1485	1485	1770	1770
▶ D	mm	600	600	600	600	600	775	775
D1	mm	2000	2000	2000	2000	2000	2000	2000
B1	mm	100	100	100	100	100	100	100
B2	mm	500	500	500	500	500	500	500

Data referred to standard unit.

### CLIVET S.p.A.

Via Camp Lonc 25  
32032 Z.I. Villapaiera Feltre BL  
Tel. + 39 0439 3131  
Fax. + 39 0439 313382  
[info@clivet.it](mailto:info@clivet.it)