

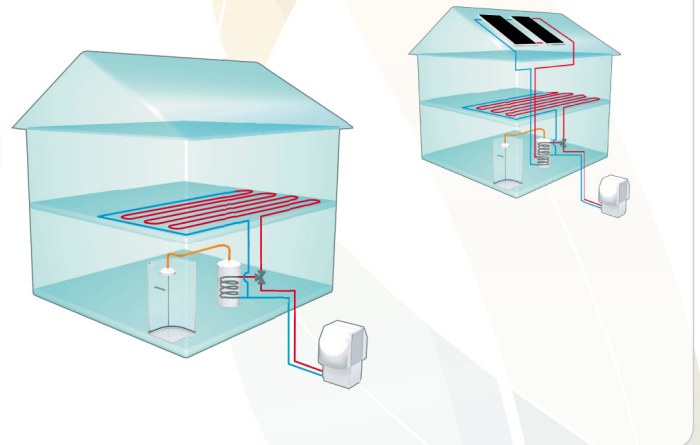


Domestic hot water production

Operation with radiators

Reduced noise production

High COP



ELFOEnergy Horus+

Heat pump, optimised for heating, suitable for traditional systems with radiators, and guaranteeing maximum efficiency.



ELFOEnergy Horus+ WSAR-HT-E 31-81

Air to water heat pump for indoor or outdoor installation

DF10C002GB-00



Attractive design: an ideal unit for installation in the garden of individual homes due to the fact that it has no visible technical elements and its air flow is directed towards the ground, not towards the neighbour's window.

Flexible installation: a structure designed to protect the coil from wind and snow for outdoor installation; high efficiency axial fan for indoor installation, with the possibility of channelling the flow.

Broad field of operation: with domestic hot water production up to 62°C and operation with outdoor air temperatures of down to -17°C. Thanks to these operating limits, Horus+ also operates with high efficiency radiator systems.

Reduced noise production: thanks to soundproofed casings that reduce acoustic emissions.

Reliability and simple maintenance: the removal of the side panels greatly facilitates unit control and maintenance.



Ref. R-407C

Outdoor inst

Indoor inst

Ice Protection

Erm. Scroll

ELFOControl

Technical data

Sizes			31	41	61	81
With Radiant Panels						
▶ Heating capacity		kW	9,11	13,3	19,2	24,4
Total power input	(6)	kW	2,46	3,83	5,70	7,34
COP EUROVENT	(7)	-	3,70	4,07	3,93	3,98
COP (EN 14511:2004) with HEOH high efficiency option	(8)	-	4,10	4,18	4,16	4,12
▶ Cooling capacity	(4)	kW	9,47	13,7	19,7	25,3
Total power input		kW	3,81	5,03	6,87	9,24
EER EUROVENT	(3)	-	2,49	2,72	2,87	2,74
With terminal units						
▶ Heating capacity		kW	9,05	13,3	19,2	24,7
Total power input		kW	2,86	3,83	5,70	7,34
COP (EUROVENT)	(7)	-	3,16	3,47	3,37	3,37
▶ Cooling capacity		kW	7,20	10,6	15,0	19,4
Total Power Input	(6)	kW	3,20	4,44	6,11	8,02
EER	(8)	-	2,25	2,39	2,45	2,42
ESEER	(9)	-	2,43	2,61	2,65	2,68
With Radiators						
▶ Heating Capacity	(3)	kW	9,04	14,5	18,9	25,2
Total Power Input	(6)	kW	3,43	4,63	6,82	9,03
COP EUROVENT	(7)	-	2,64	3,13	2,77	2,79
No. and Type compressors		-			1 SCROLL	
Sound pressure level (10 m)	(10)	dB(A)	36	37	43	45
Power supply		V/Ph/Hz			400/3/50+N	

Dati riferiti alle seguenti condizioni:

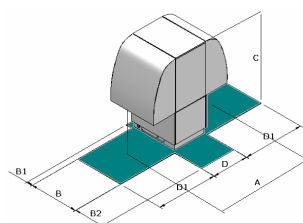
- (1) A7/W35 water at the internal exchanger 30/35°C; outdoor air temperature 7°C D.B./ 6°C W.B.
- (2) A7/W45 water at the internal exchanger 40/45°C; outdoor air temperature 7°C D.B./ 6°C W.B.
- (3) A7/W55 water at the internal exchanger 50/55°C; outdoor air temperature 7°C D.B./ 6°C W.B.
- (4) A35/W18 water at the internal exchanger 23/18°C; outdoor air temperature 35°C
- (5) A35/W7 water at the internal exchanger 12/7°C; outdoor air temperature 35°C
- (6) The total power input is calculated by adding up the compressor power input + the fan power input - the fan power input in order to provide the remaining available head to the system + the auxiliary circuit power input
- (7) EUROVENT COP: coefficient of performance in heating mode. Relationship between the heating capacity

performance and the power input according to EUROVENT. The power input is the total power input for the compressor + fan + auxiliary circuit + defrost cycles

(8) COP according to EN 14511:2004 in reference to the unit with HEOH high efficiency option to meet the minimum requirements established by the 2010 finance bill

(9) ESEER = European Seasonal Energy Efficiency Ratio calculated according to EUROVENT. Water outlet = 7°C.

(10) The sound pressure level refers to a distance of 10 m from the outer surface of the unit operating in an open field, in keeping with the EN 3744 standard.



IMPORTANT!
In order for the unit to remain in good working order, it is fundamental that the clearance spaces indicated by the green areas are

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

The above data refers to a 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