

**NEW
SEPTEMBER
2009**



Water high temperature 60°C

Heating capacity up to 100kW

Eurovent Double A Class



ELFOEnergy VULCAN Medium

High temperature heat pump, perfect as complete solution for heating, cooling and hot water production for centralized systems, as block of flats, hotels and community applications.



ELFOEnergy VULCAN Medium WBAN 82-302

High efficiency high temperature heat pump

VULCAN Medium is the high temperature heat pump: in heating operation produces water up to 60°C also with external temperatures up to -10°C. Perfect for heating, cooling and sanitary hot water production for centralized systems as blocks of apartments, hotels and other collective buildings. They can be integrated in a system with solar panel boilers with a 3 way valve



TECHNICAL DATA

Sizes			82	122	162	202	262	302
With Radiators								
▶ Heating capacity	(1)	kW	20,5	28,3	37	46,6	57,3	66,1
Total absorbed capacity	(2)	kW	10,4	13,7	18,4	23,9	28,8	31,9
COP EUROVENT			1,98	2,06	2,01	1,95	1,99	2,07
COP [EN 14511:2004]			2,00	2,05	2,00	1,89	1,95	2,02
▶ Heating capacity	(3)	kW	29,1	40,5	54,4	69,9	87,4	99,9
Total absorbed capacity	(2)	kW	10,2	14,0	19,2	24,9	30,2	33,8
COP EUROVENT			2,86	2,89	2,84	2,80	2,90	2,96
COP [EN 14511:2004]			2,94	2,93	2,86	2,78	2,89	2,95
With radiant panels								
▶ Heating capacity	(4)	kW	29,1	41,4	52,5	71,2	83,9	99,8
Total absorbed capacity	(2)	kW	7,1	10,2	12,8	17,4	20,6	24,4
COP EUROVENT			4,08	4,07	4,11	4,1	4,07	4,09
COP [EN 14511:2004; 30/35°C—7°C B.S. / 6°C B.H.]			4,11	4,13	4,13	4,12	4,1	4,13
▶ Cooling capacity	(5)	kW	32,8	46	60,7	85,5	96,3	121
Total absorbed capacity	(2)	kW	8,6	12,5	16	23,1	26,1	32,5
EER EUROVENT			3,81	3,68	3,8	3,69	3,69	3,72
EER [EN 14511:2004; 23/18°C—35°C]			3,98	3,84	3,93	3,87	3,86	3,95
With terminal units								
▶ Heating capacity	(6)	kW	29,1	40,9	53,7	70,2	85,7	99,6
Total absorbed capacity	(2)	kW	8,6	12	15,5	20,3	25,6	28,7
COP (EUROVENT)		-	3,4	3,4	3,47	3,45	3,35	3,47
▶ Cooling capacity	(7)	kW	25,1	35,3	46,4	64,9	77,5	93,2
Total absorbed capacity	(2)	kW	7,97	11,4	14,7	20,6	24,6	29,3
EER		-	3,15	3,1	3,16	3,16	3,15	3,18
Pump available head		kPa	158	164	149	169	159	183
N. cooling circuits		-				2		
N. and Type compressors		-				2 SCROLL		
Sound pressure level (10 m)		dB(A)	47,1	48,1	50,3	50,3	51,7	52,7
Power supply		V/Ph/Hz				400/3/50+N		

Data referred to the following conditions:

(1) Water outlet temperature internal exchanger = 60°C; ambient temperature = -10°C

(2) The total input is the sum of the compressor absorbed power + the fan absorbed power + the auxiliary circuit absorbed power

(3) Outlet water temperature internal exchanger = 50/55°C; Ambient temperature = 7°C

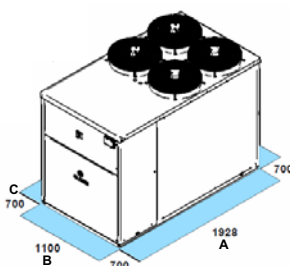
(4) Water recuperator exchanger = 40/45°C, Water outlet temperature internal exchanger = 7°C; ambient temperature = 35°C

(5) Outlet water temperature internal exchanger = 23/18°C; ambient temperature = 35°C

(6) Outlet water temperature internal exchanger = 45°C; ambient temperature 7°C

(7) Outlet water temperature internal exchanger = 12/7°C; ambient temperature 35°C

(8) Outlet water temperature internal exchanger = 7°C; ambient temperature = 35°C



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

Sizes		82	122	162	202	262	302
Length (A)	mm	1928	1928	2328	2328	2932	2932
Width (B)	mm	1100	1100	1100	1100	1100	1100
Height (C)	mm	1474	1474	1474	1474	1474	1474
Weight in oper.	Kg	420	466	635	670	803	826

Technical data referred to standard data

Data contained in this catalogue are not binding and may be changed by the Manufacturer without notice. No part of this publication may be reproduced.

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