LARGE EVO

Air-cooled reversible heat pump for outdoor installation.
Capacity from 115 to 233 kW

DC INVERTER

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

Clivet participates in the EUROVENT "Liquid Chilling Packages and Hydronic Heat Pumps".
Check ongoing validity of certificate on www.eurovent-certification.com"

Heat pump | Air cooled | Outdoor installation | R-32 | Hermetic rotary | Hermetic Scroll | Full inverter | Electronic expansion valve | CONTROL4 NRG management | INTELLIPLANT | compliant ErP

- ✓Full inverter technology with scroll or rotary compressors
- ✓High temperature solution for harsh climates
- ✓Refrigerant R32 - GWP = 675
- ✓High seasonal efficiency with extremely compact dimensions
- ✓Hot water up to 60°C and wide operating range down to -20°C
- ✓Three acoustic configurations: standard, silent and super-silent
- ✓Modular operation management, up to 8 units in cascade
- ✓Integrated hydronic assembly, system tank and partial heat recovery

Versions and configurations

TYPE OF FANS:

VENDC	DC high efficiency fan (Standard)

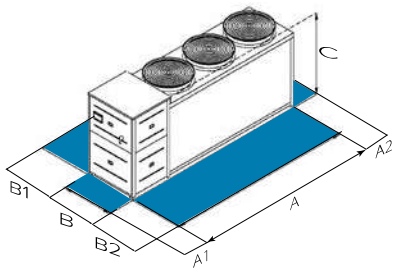
ENERGY RECOVERY:

-	Energy recovery: not required (Standard)
D	Partial energy recovery

ACOUSTIC CONFIGURATION:

SC	Acoustic configuration with compressor soundproofing (Standard)
LN	Silenced acoustic configuration
EN	Supersilenced acoustic configuration

Dimensions and connections



Size	WiSAN-YEE1	45.4	50.4	55.4	60.4	65.4	70.4	75.4	80.4	85.4
A - Length	mm	3310	3310	3310	3310	4300	4300	4300	4300	4300
B - Width	mm	1200	1200	1200	1200	1200	1200	1200	1200	1200
C - Height	mm	1900	1900	1900	1900	1900	1900	1900	1900	1900
A1	mm	1000	1000	1000	1000	1000	1000	1000	1000	1000
A2	mm	800	800	800	800	800	800	800	800	800
B1	mm	1350	1350	1350	1350	1350	1350	1350	1350	1350
B2	mm	1350	1350	1350	1350	1350	1350	1350	1350	1350
Operating weight	kg	966	966	1009	1009	1250	1250	1352	1352	1352

The above mentioned data are referred to standard units for the constructive configurations indicated.
For all the other configurations, refer to the relative Technical Bulletin.

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

Technical data

Size	WiSAN-YEE1		45.4	50.4	55.4	60.4	65.4	70.4	75.4	80.4	85.4
Cooling capacity (EN 14511:2022)	(1)	kW	115	127	139	152	164	176	196	215	233
Total power input (EN 14511:2022)	(1)	kW	44,0	51,0	56,3	66,5	66,8	75,2	73,6	85,8	99,0
EER (EN 14511:2022)	(1)	-	2,62	2,49	2,47	2,29	2,46	2,34	2,66	2,51	2,35
SEER	(4)	-	4,51	4,51	4,38	4,37	4,48	4,45	4,48	4,45	4,42
$\eta_{s,c}$	(4)	%	177,4	177,4	171,4	172,0	176,2	175,0	176,2	175,0	173,8
Heating capacity (EN 14511:2022)	(2)	kW	118	130	150	170	190	210	230	250	268
Total power input (EN 14511:2022)	(2)	kW	37,7	43,2	47,3	55,1	60,0	67,7	70,5	79,7	88,7
COP (EN 14511:2022)	(2)	-	3,13	3,01	3,17	3,09	3,17	3,10	3,26	3,14	3,02
Refrigeration circuits		Nr					2				
No. of compressors		Nr					4				
Type of compressors		-	ROTARY INVERTER			*			SCROLL INVERTER		
Refrigerant		-					R-32				
Standard power supply		V					400/3N~/50				
SC-Sound power level	(3)	dB(A)	85	85	86	86	88	88	89	89	89
LN-Sound power level	(3)	dB(A)	81	81	82	82	84	84	85	85	85
EN-Sound power level	(3)	dB(A)	77	77	78	78	80	80	81	81	81
Directive ErP (Energy Related Products)											
SCOP - AVERAGE Climate - W35	(4)	-	4,16	4,12	4,15	4,07	4,19	4,15	4,22	4,16	4,11
$\eta_{s,H}$	(4)	%	163,0	162,0	163,0	160,0	165,0	163,0	166,0	163,0	161,0
SCOP - AVERAGE Climate - W55	(4)	-	2,97	2,88	2,96	2,88	2,93	2,87	2,99	2,95	2,93
$\eta_{s,H}$	(4)	%	116,0	112,0	115,0	112,0	114,0	112,0	117,0	115,0	114,0

(1) Data calculated in compliance with Standard EN 14511:2022 referred to the following conditions: Internal exchanger water temperature = 12/7°C; Outdoor heat exchanger inlet air temperature = 35°C
(2) Data calculated in compliance with Standard EN 14511:2022 referred to the following conditions: Internal exchanger water temperature = 40/45°C; Outdoor heat exchanger inlet air temperature 7 D.B. /6 (°C) W.B.
(3) Sound pressure levels are referred to units operating at nominal load in nominal conditions. Measurements are carried out accordingly to UNI EN ISO 9614-1 at nominal standard conditions defined in respective regulations: EU 2016/2281, UE 813/2013, UE 811/2013.
(4) Data calculated according to the EN 14825:2022 Regulation
* ROTARY/SCROLL INVERTER

The Product is compliant with the Erp (Energy Related Products) European Directive. It includes the Commission delegated Regulation (EU) No 811/2013 (rated heat output ≤70 kW at specified reference conditions), the Commission delegated Regulation (EU) No 813/2013 (rated heat output ≤400 kW at specified reference conditions) and the Commission delegated Regulation (EU) No 2016/2281, also known as Ecodesign Lot21.

Accessories

1PM	Hydronic unit on user side with 1 on-off pump
1PMH	Hydronic unit on user side with 1 high head on-off pump
1PMV	Hydronic unit on user side with 1 inverter pump
1PMVH	Hydronic unit on user side with 1 high head inverter pump
1P1SB	Hydronic unit on user side with 1+1 on-off pump
1PAP+S	Hydronic unit on user side with 1+1 on-off high head pump
1P1SBV	Hydronic unit on user side with 1+1 inverter pump
1PAPSV	Hydronic unit on user side with 1+1 high head inverter pump
ACC	Storage tank
IFWX	Steel mesh filter on the water side
IFWI	Steel mesh strainer on the water side include in the packaging
ABU	Flush hydraulic connections
CMSC13	Serial communication module for Modbus TCP/IP, BACnet IP, BACnet MSTP superviso

Accessories whose code ends with "X" are supplied separately

REMAU	Additional board for advanced function management
RPR	Refrigerant leak detector
AVIBX	Anti-vibration mount support
AMMSX	Spring anti-seismic antivibration mounts
PGFC	Finned coil protection grilles
PGFCX	Finned coil protection grilles
PGCCH	Anti-hail protection grilles
PGCCHX	Anti-hail protection grilles
IOTX	IoT industrial module for cloud based interoperability & services
CCCA	Copper / aluminium condenser coil with acrylic lining
CCCA1	Condenser coil with Aluminium Energy Guard DCC treatment
VACS	DHW switching valve: required
TCDC	Condensate collection pan with electric heater

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