

NEW PRODUCT



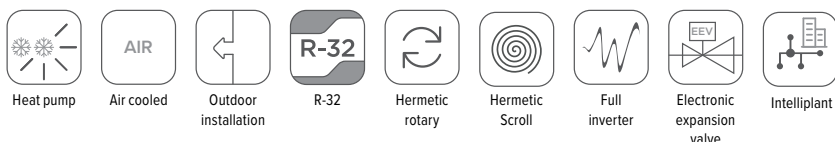
Large EVO

Reversible heat pump
 Air cooled
 Outdoor installation
Capacity from 115 to 233 kW

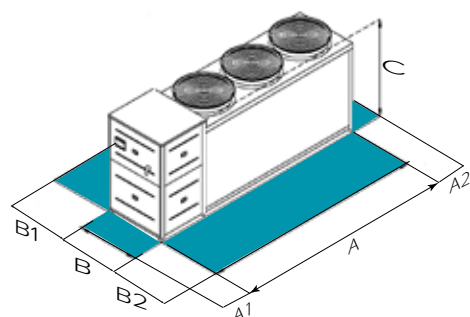
- ✓ Full inverter technology with scroll or rotary compressors
- ✓ High temperature solution for harsh climates
- ✓ Refrigerant R32 - GWP = 675
- ✓ High seasonal efficiency with extremely compact dimensions
- ✓ Hot water up to 60°C, chilled water down to 0°C, operation at -20°C
- ✓ Three acoustic configurations: standard, silenced and super-silenced
- ✓ Modular operation management, up to 8 units in cascade
- ✓ Integrated hydronic assembly, system tank and partial heat recovery



functions and features



dimensions and clearances



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.

PRELIMINARY DATA

CAUTION!

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

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 Super-silenced acoustic configuration

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 14511:2018)	(1)	kW	115	127	139	152	164	176	196	215	233
Total power input (EN 14511:2018)	(1)	kW	44,0	51,0	56,3	66,5	66,8	75,2	73,6	85,8	99,0
EER (EN 14511:2018)	(1)	-	2,61	2,49	2,47	2,29	2,46	2,34	2,66	2,51	2,35
SEER	(4)	-	4,51	4,51	4,36	4,28	4,48	4,45	4,48	4,45	4,42
$\eta_{s,c}$	(4)	%	177,4	177,4	171,4	168,2	176,2	175,0	176,2	175,0	173,8
♦ Heating capacity (EN 14511:2018)	(2)	kW	118	130	150	170	190	210	230	250	268
Total power input (EN 14511:2018)	(2)	kW	37,7	43,2	47,3	55,1	60,0	67,7	70,5	79,7	88,7
COP (EN 14511:2018)	(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			ROTARY/SCROLL INVERTER			SCROLL INVERTER		
Refrigerant	-	-	R-32								
Standard power supply	-	V	400/3N ^o /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	4,08	4,19	4,15	4,23	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

(1) Data calculated in compliance with Standard EN 14511:2018 referred to the following conditions: Internal exchanger water temperature = 12/7°C; Entering external exchanger air temperature = 35°C

(2) Data calculated in compliance with Standard EN 14511:2018 referred to the following conditions: Internal exchanger water temperature = 40/45°C; External exchanger 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 14825:2018 Regulation

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).

PRELIMINARY DATA

accessories

1PM Hydropack with 1 pump
1PMV Hydropack user side with nr.1 inverter pump
1PMH Hydropack with nr.1 high static pressure pump
1PMVH Hydropack user side with nr.1 high static pressure inverter pump
1P1SB Hydropack user side with 1+1 on-off pump
1PAP+S 1 high head pump + 1 stand-by pump
1P1SBV Hydropack on user side with one inverter pump and one stand-by pump with dedicated inverter
1PAPSV Hydropack on user side with one high head inverter pump and one stand-by pump with dedicated inverter
ACC Storage tank
IFWX Steel mesh strainer on the water side
VACS DHW switching valve: required
CCCA Copper / aluminium condenser coil with acrylic lining
CCCA1 Copper / aluminium condenser coil with acrylic lining

ABU Flush hydraulic connections
CMSC11 Serial communication module for BACnet-IP supervisor
CMSC12 Serial communication module for BACnet-NSTP supervisor
REMAV Additional board for advanced function management
RPR Refrigerant leak detector
AVIBX Anti-vibration mount support
AMMSX Anti-seismic spring antivibration mounts
PGFC Finned coil protection grill
PGFCX Finned coil protection grill
PGCCH Anti-hail protection grilles
PGCCHX Anti-hail protection grilles
TCDC Condensate collection pan with electric heater

Accessories whose code ends with "X" are supplied separately