

NEW PRODUCT

Large EVO

Capacity from 31 to 71 tons

Available from November 2024

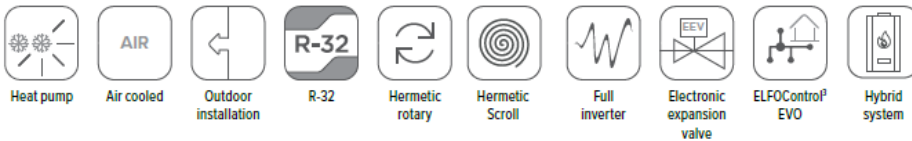
Preliminary data

Air-cooled Heat Pump with inverter rotary/scroll compressors

- Full inverter technology
- Refrigerant R32 – GWP = 675
- Hot water up to 140F, chiller water down to 17.6 F, operation down to -4F
- Three acoustic levels: standard, silenced and super silenced
- Power supply 230V. Power supply 460, 575 V coming in 2025



functions and features



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

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
- ABU** Flush hydraulic connections
- CMSC13** Serial communication module for Modbus TCP/IP, BACnet IP, BACnet MSTP superviso
- REMAU** 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
- IOTX** IoT industrial module for cloud based interoperability & services

Only WISAT-YEE1:

CCME Microchannel coil

Only WISAN-YEE1:

- CCCA** Copper / aluminium condenser coil with acrylic lining
 - CCCA1** Condenser coil with Aluminium Energy Guard DCC treatment
- Accessories whose code ends with "X" are supplied separately

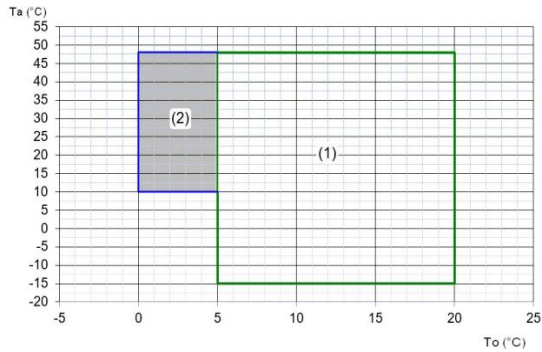
WiSAT-YEE1: Cooling Only / WiSAN-YEE1: Reversible Heat Pump

Imperial data will be available soon.

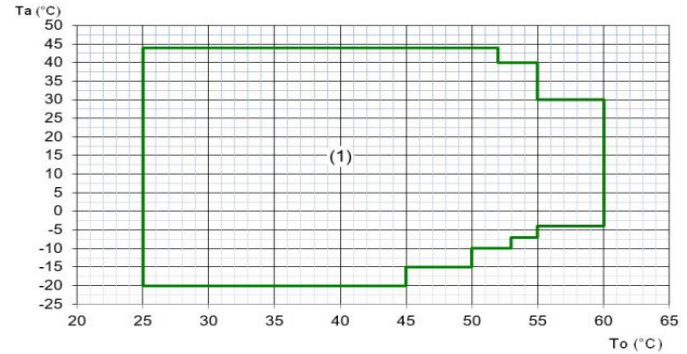
technical data

Size	▶▶ WiSAT-YEE1		45.4	50.4	55.4	60.4	65.4	70.4	75.4	80.4	85.4	90.4
SC-EXC	♦ Cooling capacity (EN 14511:2022)	(1) kW	110	118	133	142	156	169	183	196	209	226
SC-EXC	Total power input (EN 14511:2022)	(1) kW	34,2	38,5	46,1	50,3	50,0	54,6	64,0	59,4	65,5	74,2
SC-EXC	EER (EN 14511:2022)	(1) -	3,22	3,08	2,89	2,82	3,12	3,09	2,86	3,31	3,19	3,04
SC-EXC	SEER	(4) -	5,07	5,05	4,94	4,93	5,25	5,24	5,19	5,34	5,31	5,28
SC-EXC	η_{sc}	(4) %	200,0	199,0	194,0	194,0	207,0	207,0	205,0	211,0	210,0	208,0
SC-EXC	Refrigeration circuits	Nr	2									
SC-EXC	No. of compressors	Nr	4									
SC-EXC	Type of compressors	-	ROTARY INVERTER				*	SCROLL INVERTER				
SC-EXC	Refrigerant	-	R-32									
SC-EXC	Standard power supply	V	400/3N~/50									
SC-EXC	Sound power level	(3) dB(A)	84	84	84	84	85	85	85	88	89	89
LN-EXC	Sound power level	(3) dB(A)	81	81	81	81	82	82	82	84	85	85
EN-EXC	Sound power level	(3) dB(A)	78	78	78	78	79	79	79	80	81	81
Size	▶▶ WiSAT-YEE1		45.4	50.4	55.4	60.4	65.4	70.4	75.4	80.4	85.4	90.4
SC-PRM	♦ Cooling capacity (EN 14511:2022)	(1) kW	125	135	143	155	174	192	211	226	241	252
SC-PRM	Total power input (EN 14511:2022)	(1) kW	44,2	49,2	53,5	58,8	62,4	73,2	71,6	78,1	80,3	86,0
SC-PRM	EER (EN 14511:2022)	(1) -	2,83	2,74	2,67	2,64	2,79	2,63	2,94	2,90	3,00	2,93
SC-PRM	SEER	(4) -	4,76	4,71	4,70	4,77	4,91	4,90	5,06	5,03	5,06	5,05
SC-PRM	η_{sc}	(4) %	188,0	185,0	185,0	188,0	193,0	193,0	199,0	198,0	199,0	199,0
SC-PRM	Refrigeration circuits	Nr	2									
SC-PRM	No. of compressors	Nr	4									
SC-PRM	Type of compressors	-	ROTARY INVERTER				*	SCROLL INVERTER				
SC-PRM	Refrigerant	-	R-32									
SC-PRM	Standard power supply	V	400/3N~/50									
SC-PRM	Sound power level	(3) dB(A)	86	86	86	87	87	90	91	91	91	91
LN-PRM	Sound power level	(3) dB(A)	83	83	83	84	84	87	88	88	88	88
EN-PRM	Sound power level	(3) dB(A)	80	80	80	81	81	84	85	85	85	85
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) -	2,61	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		
η_{sc}	(4) %	177,4	177,4	171,4	168,2	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	89	
LN-Sound power level	(3) dB(A)	81	81	82	82	84	84	85	85	85	85	
EN-Sound power level	(3) dB(A)	77	77	78	78	80	80	81	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		
η_{sh}	(4) %	163,0	162,0	163,0	160,0	165,0	163,0	166,0	163,0	161,0		

Cooling



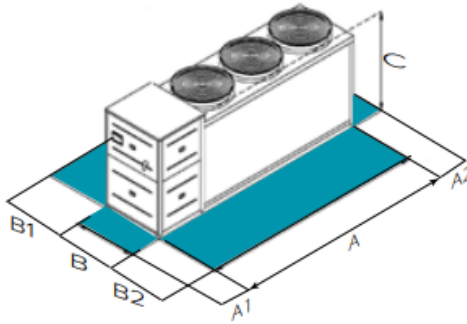
Heating



1. Standard unit operating range
2. Operating range where the use of glycol is mandatory in relation to the temperature of the outlet water from the user side exchanger.

Imperial dimensions will be available soon.

dimensions and clearances



Size	►► WISAT-YEE1	45.4	50.4	55.4	60.4	65.4	70.4	75.4	80.4	85.4	90.4
SC-EXC A - Length	mm	3310	3310	3310	3310	4300	4300	4300	4300	4300	4300
SC-EXC B - Width	mm	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
SC-EXC C - Height	mm	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
SC-EXC A1	mm	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
SC-EXC A2	mm	800	800	800	800	800	800	800	800	800	800
SC-EXC B1	mm	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
SC-EXC B2	mm	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
SC-EXC Operating weight	kg	894	894	904	904	1154	1154	1154	1180	1180	1180

Size	►► WISAT-YEE1	45.4	50.4	55.4	60.4	65.4	70.4	75.4	80.4	85.4	90.4
SC-PRM A - Length	mm	3310	3310	3310	3310	4300	4300	4300	4300	4300	4300
SC-PRM B - Width	mm	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
SC-PRM C - Height	mm	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
SC-PRM A1	mm	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
SC-PRM A2	mm	800	800	800	800	800	800	800	800	800	800
SC-PRM B1	mm	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
SC-PRM B2	mm	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
SC-PRM Operating weight	kg	894	894	894	904	1154	1154	1180	1180	1180	1180

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