



SPINchiller⁴

Capacity from 61 to 320 tons

Preliminary data

61 – 125 tons available from November this year

Larger capacities up to 320 tons available in Q2 2025

Air-cooled Heat Pump with inverter rotary/scroll compressors

- Scroll compressors, EC fans, two circuits
- Refrigerant R32 GWP = 675
- Hot water up to 131F, operation down to 5 F
- Thre acoustic configurations
- Modular operation management up to 8 units
- Power supply 230V, 460V, 575V



versions and configurations

VERSION:

EXC Excellence (Standard) PRM Premium

EXTERNAL SECTION FAN CONSUMPTION REDUCTION:

CREFB Device for fan consumption reduction of the external section, ECOBREEZE type (Standard)

ENERGY RECOVERY:

- Energy recovery: not required (Standard)
- Partial energy recovery
- R Total energy recovery (WSAT-YSC4 only)

EVAPORATOR

- **EVPHE** Plate heat exchanger (Standard)
- EVFTP Shell and tube evaporator PED test

ACOUSTIC CONFIGURATION:

- ST Standard acoustic configuration
- SC Acoustic configuration with compressor soundproofing (Standard)
- EN Super-silenced acoustic configuration

LOW TEMPERATURE

- Energy recovery: not required (Standard)
- B Water low temperature

accessories

Hydropack with 1 pump Hydropack user side with nr.1 inverter pump Hydropack with nr.1 high static pressure pump Hydropack user side with nr.1 high static pressure inverter pump Hydropack user side with 2 pumps Hydropack user side with no.2 of inverter pumps Hydropack user side with nr.2 high static pressure pump Hydropack lato utilizzo con n°2 pompe ad inverter alta prevalenza Inverter driven variable flow-rate user side control depending on the temperature differential Steel mesh strainer on the water side Couple of manually operated shut-off valves Storage tank Rubber antivibration mounts Energy meter Remote control via microprocessor control Mains power supply Serial communication module for LonWorks supervisor Serial communication module for Modbus supervisor Serial communication module for BACnet-IP supervisor Set-point compensation with 0-10 V signal Set point compensation with 4-20 mA signal ECOSHARE function for the automatic management of a group of units Power factor correction capacitors (cosfi > 0.9) Disposal for inrush current reduction Electrical panel antifreeze protection for min. outdoor temperature down to -25°C

High and low pressure gauges Cutoff valve on compressor supply and return Anti-seismic spring antivibration mounts Refrigerant leak detector in the casing Demand limit with 4-20 mA Demand limit with 0-10 V Soundproofing paneling of the pumping unit Differential pressure switch water side with antifreeze protection

Microchannel coils protection panels Finned coil protection grilles and compressor compartment Microchannel e-coated coil Electrical panel antifreeze protection for min. outdoor temperature down to -39°C Variable flow-rate control of the inverter pump external to the unit depending on the temperature differential

Copper / aluminium condenser coil with acrylic lining Condenser coil with Aluminium Energy Guard DCC treatment Anti-hail protection grilles Finned coil protection grill

Imperial data will be available soon.

WSAT - cooling only / WSAN - reversible heat pump

technical data

Size		►► WS	AT-YSC4	80.3	100.4	115.4	130.4	155.5	170.5	185.5	210.6	225.6	240.6
ST/SC-EXC	 Cooling capacity (EN 14511:2018) 	(1)	kW	222	267	314	364	423	472	520	573	624	675
ST/SC-EXC	Total power input (EN 14511:2018)	(1)	kW	69,4	85,5	99,8	115	135	149	167	184	200	218
ST/SC-EXC	EER (EN 14511:2018)	(1)	-	3,20	3,12	3,15	3,17	3,15	3,16	3,11	3,12	3,12	3,10
ST/SC-EXC	SEER	(4)	-	4,70	4,67	4,78	4,75	4,92	5,00	4,96	4,94	4,96	4,90
ST/SC-EXC	η _{s,c}	(4)	%	185,2	183,8	188,3	187,1	193,6	197,0	195,5	194,6	195,4	193,1
ST/SC-EXC	Refrigeration circuits		Nr	2									
ST/SC-EXC	No. of compressors		Nr	3		4			5		6		
ST/SC-EXC	Type of compressors		-	SCROLL									
ST/SC-EXC	Refrigerant		-	R-32									
ST/SC-EXC	Standard power supply		V	400/3~/50									
ST-EXC	Sound power level	(3)	dB(A)	90	91	92	93	94	95	95	96	96	97
SC-EXC	Sound power level	(3)	dB(A)	87	88	89	90	90	91	91	92	92	93
EN-EXC	Sound power level	(3)	dB(A)	84	84	86	86	86	87	88	88	88	89

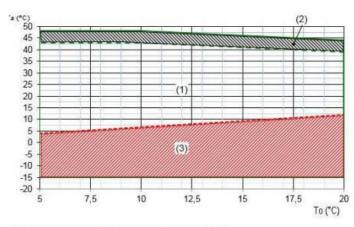
Size		►► WS/	AT-YSC4	90.3	110.4	130.4	145.4	170.5	185.5	210.6	225.6	240.6	
ST/SC-PRM	 Cooling capacity (EN 14511:2018) 	(1)	kW	232	291	333	384	443	483	537	590	644	
ST/SC-PRM	Total power input (EN 14511:2018)	(1)	kW	84,5	102	124	139	156	179	199	209	233	
ST/SC-PRM	EER (EN 14511:2018)	(1)	-	2,74	2,85	2,70	2,77	2,84	2,70	2,70	2,82	2,76	
ST/SC-PRM	SEER	(4)	-	4,38	4,48	4,46	4,47	4,65	4,64	4,61	4,69	4,62	
ST/SC-PRM	η _{s,c}	(4)	%	172,3	176,1	175,4	175,8	183,0	182,5	181,2	184,7	181,9	
ST/SC-PRM	Refrigeration circuits		Nr					2					
ST/SC-PRM	No. of compressors		Nr	3		4			5		6		
ST/SC-PRM	Type of compressors		-					SCROLL					
ST/SC-PRM	Refrigerant		-					R-32					
ST/SC-PRM	Standard power supply		V					400/3~/50					
ST-PRM	Sound power level	(3)	dB(A)	90	91	92	93	94	94	95	96	96	
SC-PRM	Sound power level	(3)	dB(A)	87	88	89	89	90	90	91	92	92	
EN-PRM	Sound power level	(3)	dB(A)	84	86	86	87	87	88	89	89	89	

Size	► WSA	N-YSC4	80.3	90.4	100.4	110.4	120.4	130.4	145.4	160.4	185.5	210.6	225.6	240.6
ST/SC-EXC Cooling capacity (EN 14511:2018)	(1)	kW	215	240	265	290	320	355	390	430	500	555	610	655
ST/SC-EXC Total power input (EN 14511:2018)	(1)	kW	72,9	76,4	84,7	94,9	106	114	128	143	163	188	198	218
ST/SC-EXC EER (EN 14511:2018)	(1)	-	2,95	3,14	3,13	3,05	3,02	3,11	3,04	3,00	3,06	2,96	3,08	3,01
ST/SC-EXC SEER	(4)	-	4,45	4,79	4,74	4,81	4,84	4,86	4,78	4,72	4,88	4,84	4,89	4,86
ST/SC-EXC n _{s.c}	(4)	%	175,0	188,5	186,6	189,4	190,4	191,3	188,1	186,0	192,1	190,7	192,6	191,5
ST/SC-EXC Heating capacity (EN 14511:2018) 	(2)	kW	225	255	280	310	335	375	415	455	530	585	640	685
ST/SC-EXC Total power input (EN 14511:2018)	(2)	kW	69,9	78,8	85,6	95,2	103	114	125	137	160	178	199	211
ST/SC-EXC COP (EN 14511:2018)	(2)	-	3,22	3,24	3,27	3,26	3,26	3,29	3,32	3,31	3,32	3,28	3,22	3,24
ST/SC-EXC Refrigeration circuits		Nr 2												
ST/SC-EXC No. of compressors		Nr 3 4								5		6		
ST/SC-EXC Type of compressors		-						SCF	ROLL					
ST/SC-EXC Refrigerant		-						R	32					
ST/SC-EXC Standard power supply		V						400/	3~/50					
SC-EXC Sound power level	(3)	dB(A)	87	88	89	89	89	91	91	91	92	92	93	93
EN-EXC Sound power level	(3)	dB(A)	84	85	86	86	86	86	87	87	88	89	90	90
Directive ErP (Energy Related Products)														
SCOP - AVERAGE Climate - W35	(4)	-	3,73	3,90	3,92	4,10	4,08	4,05	4,00	4,10	-	-	-	-
Пан	(4)	%	146,0	153,0	154,0	161,0	160,0	159,0	157,0	161,0	-	-	-	-
Size	INSA	N-YSC4	90.3	100.3	110.4	120.4	4 130	.4 14	5.4 10	50.4 1	85.5	210.6	225.6	240.6
ST/SC-PRM Cooling capacity (EN 14511:2018)	►► WSA (1)	N-YSC4 kW	90.3 235	100.3 255	110.4 275	120. 300				50.4 1	480	210.6 530	225.6 585	240.6 630
								5 3	70					
ST/SC-PRM Cooling capacity (EN 14511:2018)	(1)	kW	235	255	275	300	33 119	5 3 9 1	70 4 36 -	405	480	530	585	630
ST/SC-PRM Cooling capacity (EN 14511:2018) ST/SC-PRM Total power input (EN 14511:2018)	(1) (1) (1) (4)	kW kW	235 83,7	255 94,1	275 102	300 116	33 119 2,8	5 3 9 1 81 2	70 36 72	405 155	480 172	530 200	585 207	630 227 2,77 4,64
ST/SC-PRM Cooling capacity (EN 14511:2018) ST/SC-PRM Total power input (EN 14511:2018) ST/SC-PRM EER (EN 14511:2018)	(1) (1) (1)	kW kW	235 83,7 2,80	255 94,1 2,71	275 102 2,70	300 116 2,59	33 119 2,8 4,5	5 3 9 1 1 1 2 5 4	70 4 36 72 57 4	405 155 2,61	480 172 2,80	530 200 2,65	585 207 2,83	630 227 2,77
ST/SC-PRM Cooling capacity (EN 14511:2018) ST/SC-PRM Total power input (EN 14511:2018) ST/SC-PRM EER (EN 14511:2018) ST/SC-PRM SEER	(1) (1) (1) (4)	kW kW -	235 83,7 2,80 4,26	255 94,1 2,71 4,24	275 102 2,70 4,35	300 116 2,59 4,37	33 119 2,8 4,5	5 3 9 1 1 1 2 5 4 ,9 17	70 4 36 72 57 4 9,9 1	405 155 2,61 4,33	480 172 2,80 4,64	530 200 2,65 4,62	585 207 2,83 4,66	630 227 2,77 4,64
ST/SC-PRM Cooling capacity (EN 14511:2018) ST/SC-PRM Total power input (EN 14511:2018) ST/SC-PRM EER (EN 14511:2018) ST/SC-PRM SEER ST/SC-PRM ŋ _{5,c}	(1) (1) (1) (4) (4)	kW kW - - %	235 83,7 2,80 4,26 167,2	255 94,1 2,71 4,24 166,7	275 102 2,70 4,35 171,0	300 116 2,59 4,37 171,6	33 119 2,8 4,5 178	5 3 9 1: 11 2 15 4, 19 17 0 3	70 4 36 72 57 4 9,9 1 85 4	405 155 2,61 4,33 170,1	480 172 2,80 4,64 182,8	530 200 2,65 4,62 181,8	585 207 2,83 4,66 183,4	630 227 2,77 4,64 182,5
ST/SC-PRM Cooling capacity (EN 14511:2018) ST/SC-PRM Total power input (EN 14511:2018) ST/SC-PRM EER (EN 14511:2018) ST/SC-PRM SEER ST/SC-PRM 9s.c ST/SC-PRM Heating capacity (EN 14511:2018)	(1) (1) (1) (4) (4) (2)	kW kW - - % kW	235 83,7 2,80 4,26 167,2 240	255 94,1 2,71 4,24 166,7 265	275 102 2,70 4,35 171,0 285	300 116 2,59 4,37 171,6 315	33 119 2,8 4,5 178 35 111	5 3 9 1 1 2 5 4 ,9 17 0 3 2 1	70 4 36 7 57 4 9,9 1 85 4 24 1	405 155 2,61 4,33 170,1 420	480 172 2,80 4,64 182,8 500	530 200 2,65 4,62 181,8 555	585 207 2,83 4,66 183,4 610	630 227 2,77 4,64 182,5 655
ST/SC-PRM Cooling capacity (EN 14511:2018) ST/SC-PRM Total power input (EN 14511:2018) ST/SC-PRM EER (EN 14511:2018) ST/SC-PRM SEER ST/SC-PRM Flac ST/SC-PRM Total power input (EN 14511:2018) ST/SC-PRM SEER ST/SC-PRM The eating capacity (EN 14511:2018) ST/SC-PRM Total power input (EN 14511:2018)	(1) (1) (4) (4) (4) (2) (2)	kW - - - kW kW	235 83,7 2,80 4,26 167,2 240 76,4	255 94,1 2,71 4,24 166,7 265 85,5	275 102 2,70 4,35 171,0 285 92,3	300 116 2,59 4,37 171,6 315 102	33 119 2,8 4,5 178 35 111	5 3 9 1 2 1 2 3	70 4 36 7 57 4 9,9 1 85 4 24 1	405 155 2,61 4,33 170,1 420 134	480 172 2,80 4,64 182,8 500 157	530 200 2,65 4,62 181,8 555 175	585 207 2,83 4,66 183,4 610 191	630 227 2,77 4,64 182,5 655 206
ST/SC-PRM Cooling capacity (EN 14511:2018) ST/SC-PRM Total power input (EN 14511:2018) ST/SC-PRM EER (EN 14511:2018) ST/SC-PRM SEER ST/SC-PRM Fleating capacity (EN 14511:2018) ST/SC-PRM Fleating capacity (EN 14511:2018) ST/SC-PRM Operating capacity (EN 14511:2018) ST/SC-PRM Total power input (EN 14511:2018) ST/SC-PRM COP (EN 14511:2018)	(1) (1) (4) (4) (4) (2) (2)	kW 	235 83,7 2,80 4,26 167,2 240 76,4	255 94,1 2,71 4,24 166,7 265 85,5	275 102 2,70 4,35 171,0 285 92,3	300 116 2,59 4,37 171,6 315 102	33 119 2,8 4,5 178 35 111	5 3 9 1 9 1 11 2 15 4 ,9 17 0 3 2 1 2 3	70	405 155 2,61 4,33 170,1 420 134	480 172 2,80 4,64 182,8 500 157	530 200 2,65 4,62 181,8 555 175	585 207 2,83 4,66 183,4 610 191	630 227 2,77 4,64 182,5 655 206
ST/SC-PRM Cooling capacity (EN 14511:2018) ST/SC-PRM Total power input (EN 14511:2018) ST/SC-PRM EER (EN 14511:2018) ST/SC-PRM SEER ST/SC-PRM 9.c ST/SC-PRM Total power input (EN 14511:2018) ST/SC-PRM 9.c ST/SC-PRM Total power input (EN 14511:2018) ST/SC-PRM Total power input (EN 14511:2018) ST/SC-PRM COP (EN 14511:2018) ST/SC-PRM Refrigeration circuits	(1) (1) (4) (4) (4) (2) (2)	kW - - - - - - - - - - - Nr	235 83,7 2,80 4,26 167,2 240 76,4 3,15	255 94,1 2,71 4,24 166,7 265 85,5	275 102 2,70 4,35 171,0 285 92,3	300 116 2,59 4,37 171,6 315 102	33 119 2,8 4,5 178 35 112 3,1	5 3 9 1 9 1 11 2 15 4 ,9 17 0 3 2 1 2 3	70 4 36 72 2 57 4 9,9 1 85 4 4 4 10 10 10 10	405 155 2,61 4,33 170,1 420 134	480 172 2,80 4,64 182,8 500 157 3,19	530 200 2,65 4,62 181,8 555 175	585 207 2,83 4,66 183,4 610 191 3,18	630 227 2,77 4,64 182,5 655 206
ST/SC-PRM Cooling capacity (EN 14511:2018) ST/SC-PRM Total power input (EN 14511:2018) ST/SC-PRM EER (EN 14511:2018) ST/SC-PRM SEER ST/SC-PRM 9ac ST/SC-PRM Total power input (EN 14511:2018) ST/SC-PRM 9ac ST/SC-PRM Total power input (EN 14511:2018) ST/SC-PRM Total power input (EN 14511:2018) ST/SC-PRM COP (EN 14511:2018) ST/SC-PRM Refrigeration circuits ST/SC-PRM No. of compressors	(1) (1) (4) (4) (4) (2) (2)	kW - - - - - - - - - - - Nr	235 83,7 2,80 4,26 167,2 240 76,4 3,15	255 94,1 2,71 4,24 166,7 265 85,5	275 102 2,70 4,35 171,0 285 92,3	300 116 2,59 4,37 171,6 315 102	33 119 2,8 4,5 178 35 112 3,1	5 3 9 11 11 2 5 4, 9 17 0 3 2 1 2 3 SCF	70	405 155 2,61 4,33 170,1 420 134	480 172 2,80 4,64 182,8 500 157 3,19	530 200 2,65 4,62 181,8 555 175	585 207 2,83 4,66 183,4 610 191 3,18	630 227 2,77 4,64 182,5 655 206
ST/SC-PRM Cooling capacity (EN 14511:2018) ST/SC-PRM Total power input (EN 14511:2018) ST/SC-PRM EER (EN 14511:2018) ST/SC-PRM SEER ST/SC-PRM 9.c ST/SC-PRM Total power input (EN 14511:2018) ST/SC-PRM 9.c ST/SC-PRM Total power input (EN 14511:2018) ST/SC-PRM Total power input (EN 14511:2018) ST/SC-PRM COP (EN 14511:2018) ST/SC-PRM Refrigeration circuits ST/SC-PRM No. of compressors ST/SC-PRM Type of compressors	(1) (1) (4) (4) (4) (2) (2)	kW - - - - - - - - - - - Nr	235 83,7 2,80 4,26 167,2 240 76,4 3,15	255 94,1 2,71 4,24 166,7 265 85,5	275 102 2,70 4,35 171,0 285 92,3	300 116 2,59 4,37 171,6 315 102	33 119 2,8 4,5 178 35 112 3,1	5 3 9 11 11 2 11 2 11 2 15 4 9 17 0 3 2 1 12 3 SCF R-	70 36 72 2 57 4 9,9 1 85 4 24 10 2 ROLL	405 155 2,61 4,33 170,1 420 134	480 172 2,80 4,64 182,8 500 157 3,19	530 200 2,65 4,62 181,8 555 175	585 207 2,83 4,66 183,4 610 191 3,18	630 227 2,77 4,64 182,5 655 206
ST/SC-PRM 	(1) (1) (4) (4) (2) (2) (2) (2)	kW kW - - - - - - - - - - - - -	235 83,7 2,80 4,26 167,2 240 76,4 3,15	255 94,1 2,71 4,24 166,7 265 85,5	275 102 2,70 4,35 171,0 285 92,3	300 116 2,59 4,37 171,6 315 102	33 119 2,8 4,5 178 35 112 3,1	5 3 9 1. 11 2 5 4, 9 17 0 3 2 1. 2 3 SCF R- 400/	70 4 36 77 57 4 9,9 1 85 4 24 10 2 20 20 2 20 2 20 20 2 20 2 20 20 2 20 20 2 20 20 2 20 2 2	405 155 2,61 4,33 170,1 420 134	480 172 2,80 4,64 182,8 500 157 3,19	530 200 2,65 4,62 181,8 555 175	585 207 2,83 4,66 183,4 610 191 3,18	630 227 2,77 4,64 182,5 655 206
ST/SC-PRM 	(1) (1) (4) (4) (4) (2) (2)	kW kW - - % kW kW - Nr Nr Nr V	235 83,7 2,80 4,26 167,2 240 76,4 3,15 3	255 94,1 2,71 4,24 166,7 265 85,5 3,10	275 102 2,70 4,35 171,0 285 92,3 3,09	300 116 2,59 4,37 171,6 315 102 3,09	33 119 2,8 4,5 178 35 112 3,1	5 3 9 11 11 2 5 4, 9 17 0 3 2 1. 2 3 SCF R· 400/ 0 5 5 8 10 17 17 17 17 17 17 17 17 17 17	70 4 36 77 57 4 9,9 1 85 4 24 10 2 20 20 2 20 2 20 20 2 20 2 20 20 2 20 20 20 2 20 2 20 2 2	405 155 2,61 4,33 70,1 420 134 3,13	480 172 2,80 4,64 182,8 500 157 3,19 5	530 200 2,65 4,62 181,8 555 175 3,17	585 207 2,83 4,66 183,4 610 191 3,18 6	630 227 2,77 4,64 182,5 655 206 3,18
ST/SC-PRM 	(1) (1) (4) (2) (2) (2) (2) (2) (3)	kW kW - % kW kW - Nr Nr - - V dB(A)	235 83,7 2,80 4,26 167,2 240 76,4 3,15 3 3 87	255 94,1 2,71 4,24 166,7 265 85,5 3,10	275 102 2,70 4,35 171,0 285 92,3 3,09	300 116 2,59 4,37 171,6 315 102 3,09	33 119 2,8 4,5 178 35 112 3,1 4	5 3 9 11 11 2 5 4, 9 17 0 3 2 1. 2 3 SCF R· 400/ 0 5 5 8 10 17 17 17 17 17 17 17 17 17 17	70 4 36 77 57 4 9,9 1 85 4 24 10 3 2 ROLL 32 3°/50 00 -	405 155 2,61 4,33 70,1 420 134 3,13 90	480 172 2,80 4,64 182,8 500 157 3,19 5 91	530 200 2,65 4,62 181,8 555 175 3,17 91	585 207 2,83 4,66 183,4 610 191 3,18 6 92	630 227 2,77 4,64 182,5 655 206 3,18
ST/SC-PRM 	(1) (1) (4) (2) (2) (2) (2) (2) (3)	kW kW - % kW kW - Nr Nr - - V dB(A)	235 83,7 2,80 4,26 167,2 240 76,4 3,15 3 3 87	255 94,1 2,71 4,24 166,7 265 85,5 3,10	275 102 2,70 4,35 171,0 285 92,3 3,09	300 116 2,59 4,37 171,6 315 102 3,09	33 119 2,8 4,5 178 35 112 3,1 4 4	5 3 9 1: 11 2: 5 4; 9 17 0 3 2 1: 2 3 5 CP R 400/ 0 5 8	70 4 36 77 57 4 57 4 9,9 1 85 4 24 2 24 2 20 20 20 20 20 20 20 20 20 2	405 155 2,61 4,33 70,1 420 134 3,13 90	480 172 2,80 4,64 182,8 500 157 3,19 5 91	530 200 2,65 4,62 181,8 555 175 3,17 91	585 207 2,83 4,66 183,4 610 191 3,18 6 92	630 227 2,77 4,64 182,5 655 206 3,18
ST/SC-PRM 	(1) (1) (4) (2) (2) (2) (2) (2) (2) (3) (3)	kW kW - % kW kW - Nr Nr - - V dB(A)	235 83,7 2,80 4,26 167,2 240 76,4 3,15 3 3 87 85	255 94,1 2,71 4,24 166,7 265 85,5 3,10 88,8 88	275 102 2,70 4,35 171,0 285 92,3 3,09 88 88	300 116 2,59 4,37 171,6 315 102 3,09 888 88	33 119 2,8 4,5 178 35 111 3,1 4 4 4	5 3 9 1: 11 2 15 4, 9 17 0 3 2 1 2 3 SCR R 400/ 5 5 8 10 3,	70 77 77 77 77 77 77 77 77 77 77 77 77 7	405 155 2,61 4,33 170,1 420 134 3,13 90 87	480 172 2,80 4,64 182,8 500 157 3,19 5 5 91 88	530 200 2,65 4,62 181,8 555 175 3,17 91	585 207 2,83 4,66 183,4 610 191 3,18 6 92	630 227 2,77 4,64 182,5 655 206 3,18

(f) 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 compliant to Standard EN 14511:2018 referred to the following conditions: - Internal exchanger water temperature = 40/45°C - Entering external exchanger air temperature = 7°C 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) and the Commission delegated Regulation (EU) No 2016/2281, also known as Ecodesign Lot21.

Operating range - Cooling

Excellence ST/SC



Ta (°C) = external exchanger inlet air temperature (D.B.)

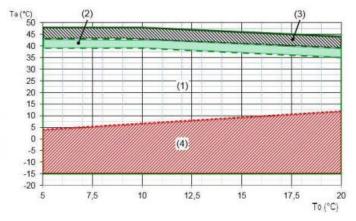
To (°C) = internal exchanger outlet water temperature

1. Standard unit operating range at full load

2. Unit operating range with automatic staging of the compressor capacity

3. Unit operating range with air flow automatic modulation

Excellence EN

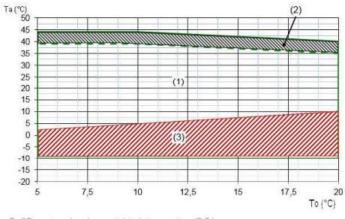


Ta (°C) = external exchanger inlet air temperature (D.B.) To (°C) = internal exchanger outlet water temperature

1. Standard unit operating range at full load

- 2. Extended operating range with air flow-rate automatic increasing. Inside this field the
- sound levels are the same of the 'compressor soundproofing (SC)' acoustic configuration
- 3. Unit operating range with automatic staging of th compressor capacity
- 4. Unit operating range with air flow-rate automatic modulation

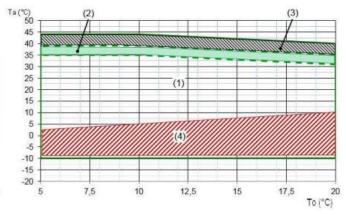
Premium ST/SC



Ta (°C) = external exchanger inlet air temperature (D.B.) To (°C) = internal exchanger outlet water temperature

- 1. Standard unit operating range at full load
- 2. Unit operating range with automatic staging of the compressor capacity
- 3. Unit operating range with air flow automatic modulation

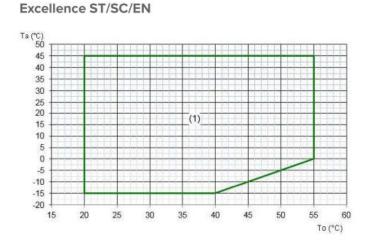
Premium EN



Ta (°C) = external exchanger inlet air temperature (D.B.) To (°C) = internal exchanger outlet water temperature

- 1 Standard unit operating range at full load.
- Extended operating range with air flow-rate automatic increasing. Inside this field the sound 2. levels are the same of the 'compressor soundproofing (SC)' acoustic configuration
- Unit operating range with automatic staging of th compressor capacity Unit operating range with air flow automatic modulation 3.
- 4.

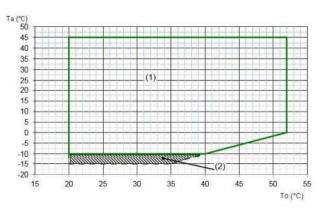
Operating range - Heating



Ta (°C) = external exchanger inlet air temperature (D.B.) To (°C) = internal exchanger outlet water temperature

1. Standard unit operating range at full load

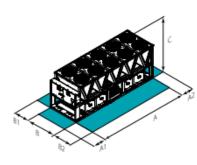
Premium ST/SC/EN



Ta (°C) = external exchanger inlet air temperature (D.B.) To (°C) = internal exchanger outlet water temperature

- Standard unit operating range at full load Unit operating range with automatic staging of the compressor capacity 2

dimensions and clearances



CAUTION!

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

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.

SC-EXC Compressors soundproofing (SC)-Excellence

SC-PRM Compressors soundproofing (SC)-Premium

Size	►► WS	AT-YSC4	80.3	100.	4 115	5.4 13	30.4	155.	5 17	0.5	185.5	5 21	0.6	225.6	240.6
SC-EXC	A - Length	mm	2925	2925	i 41	75 4	4175	5417	7 5	417	5417	66	680	6680	6680
SC-EXC	B - Width	mm	2228	2228	22	28 2	228	222	8 22	228	2228	2	228	2228	2228
SC-EXC	C - Height	mm	2535	2535	25	35 2	535	253	5 25	535	2535	2	535	2535	2535
SC-EXC	A1	mm	1500	1500	150	00 1	500	1500) 15	500	1500	15	600	1500	1500
SC-EXC	A2	mm	700	700	70	00	700	700	7	00	700	7	00	700	700
SC-EXC	B1	mm	1200	1200	120	00 1	200	1200) 12	00	1200	12	200	1200	1200
SC-EXC	B2	mm	2250	2250	22	50 2	250	2250	22	250	2250	22	250	2250	2250
SC-EXC	Operating weight	kg	1879	1898	23	45 2	494	2979) 31	152	3314	3	810	3943	4100
Size	►► WS	AT-YSC4	90.3	110	.4 1	30.4	145	.4 1	70.5	185	5.5	210.	6 2	25.6	240.6
SC-PRM	A - Length	mm	2925	292	25 3	2925	417	5	4175	41	75	541	7 !	5417	5417
SC-PRM	B - Width	mm	2228	222	28 3	2228	222	8	2228	22	28	222	8 2	228	2228
SC-PRM	C - Height	mm	2535	253	35 3	2535	253	5	2535	25	35	253	52	535	2535
SC-PRM	A1	mm	1500	150	0	1500	150	0	1500	15	00	1500	0 1	500	1500
SC-PRM	A2	mm	700	70	0	700	700)	700	70	00	700)	700	700
SC-PRM	B1	mm	1200	120	0	1200	120	0	1200	12	00	1200	0 1	200	1200
SC-PRM	B2	mm	2250	225	50 3	2250	225	0	2250	22	50	225	0 2	250	2250
SC-PRM	Operating weight	kg	1893	200	00	2116	257	6	2763	29	38	339	6 3	563	3684
Size	►► WSA	N-YSC4	80.3	90.4	100.4	110.4	120.4	130	4 145	5.4 16	50.4	185.5	210.0	5 225.6	240.6
SC-EXC	A - Length	mm	3118	4114	4114	4114	4114	509	91 50	91 5	091	6066	6066	5 7045	7045
SC-EXC	B - Width	mm	2250	2250	2250	2250	2250	225	0 22	50 2	250	2250	2250	2250	2250
SC-EXC	C - Height	mm	2520	2520	2520	2520	2520	252	0 25	20 2	520	2520	2520	2520	2520
SC-EXC	A1	mm	1500	1500	1500	1500	1500	150	0 15	00 15	500	1500	1500	1500	1500
SC-EXC	A2	mm	700	700	700	700	700	700	0 70	0 7	700	700	700	700	700
SC-EXC	B1	mm	1200	1200	1200	1200	1200	120	0 120	00 12	200	1200	1200	1200	1200
SC-EXC	B2	mm	1200	1200	1200	1200	1200	120	0 120	00 12	200	1200	1200	1200	1200
SC-EXC	Operating weight	kg	2300	2631	2652	2772	2890	329	5 34	38 3	594	4097	4199	4761	4861
Size	► WS4	N-YSC4	90.3	100.3	110.4	4 120	.4 13	0.4	145.4	160.	4 18	5.5	210.6	225.6	240.6
SC-PRM	A - Length	mm	3118	3118	3118	311	8 4	114	4114	4114	50)91	5091	6066	6066
SC-PRM	B - Width	mm	2250	2250	2250	225	0 22	250	2250	2250	0 22	50	2250	2250	2250
SC-PRM	C - Height	mm	2520	2520	2520	252			2520	2520	0 25	20	2520	2520	2520
SC-PRM	A1	mm	1500	1500	1500	150	0 15	00	1500	1500) 15	00	1500	1500	1500
SC-PRM	A2	mm	700	700	700	700) 7	00	700	700	70	00	700	700	700