

SPINCHILLER4 NA

Reversible heat pump

Air cooled

Outdoor installation

Capacity from 67.7 to 126 TON

HYDRONIC



- ✓ Reversible Heat Pump Technology. Capable of producing hot or cold water based on the season.
- ✓ High Reliability Design. Multiscroll technology optimizes performance with precise load adjustments, delivering consistent comfort and efficiency. EC axial fans offer superior airflow and energy efficiency. Two independent circuits provide redundancy and enhance reliability.
- ✓ High Sustainability Ecological Refrigerant. R-32 with a Global Warming Potential of 675, reducing environmental impact.
- ✓ Industry-Leading Efficiency. High performance at full and partial load to adapt to the needs of the plant.
- ✓ IPLV (Integrated Part Load Value) up to 17.4, maximizing seasonal performance.
- ✓ Ultra-Quiet Operation. Our super-silenced version reduces noise levels, ensuring a quieter environment.
- ✓ Faster, More Efficient Defrosting. A special hydrophilic coil treatment shortens defrost cycles, ensuring uninterrupted performance and efficiency.
- ✓ Optimized Modular Operation. Cascade capability up to 7 units in a cascade setup.
- ✓ Full Range of Accessories. Comprehensive accessory options tailored for the North American market

functions and features



Heat pump



AIR



Outdoor
installation



R-32



Hermetic
Scroll



Electronic
expansion
valve



ECOBREEZE

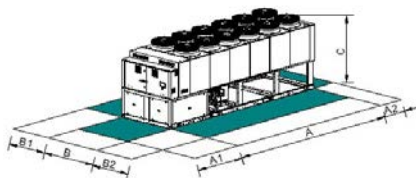


HydroPack



Intelliplant

dimensions and clearances



CAUTION!

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

Size	▶▶ WSAN-YSC4 NA	90.4	100.4	110.4	120.4	130.4	145.4	160.4	175.4
A - Length	in	161.9	161.9	161.9	161.9	161.9	200.4	200.4	200.4
B - Width	in	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
C - Height	in	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
A1	in	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
A2	in	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
B1	in	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
B2	in	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
Operating weight	lbs	6,241	6,338	6,415	6,735	6,971	7,840	8,167	8,440

The above mentioned data refer to standard units. For all other configurations, please refer to the dedicated technical bulletin.

versions and configurations

SUPPLY VOLTAGE:		ACOUSTIC CONFIGURATION:	
4606H	460/3/60 Supply voltage (Standard)	SC	Acoustic configuration with compressor soundproofing (Standard)
5756H	573/3/60 Supply voltage	EN	Super-silenced acoustic configuration
EXTERNAL SECTION FAN CONSUMPTION REDUCTION:			
CREFB	Device for fan consumption reduction of the external section, ECOBREEZE type (Standard)		

technical data

SIZE		▶▶ WSAN-YSC4 NA	90.4	100.4	110.4	120.4	130.4	145.4	160.4	175.4
♦ Cooling Capacity	(1)	ton	67.7	73.4	79.1	84.1	92.1	103	115	126
Total power input	(1)	kW	77.3	87.1	95.8	104	114	125	139	157
EER	(1)	BTU / (Wh)	10.5	10.1	9.91	9.69	9.72	9.89	9.92	9.64
IPLV	(1)	BTU / (Wh)	17.4	17.2	16.9	16.6	16.7	17.1	17.0	16.6
♦ Heating Capacity	(2)	MBH	813	881	949	1,052	1,154	1,314	1,451	1,588
Total power input	(2)	kW	81.3	88.0	96.3	104	112	128	142	160
COP	(2)	kW / kW	2.93	2.94	2.89	2.97	3.03	3.01	2.99	2.91
Refrigeration circuits		Nr	2							
N° of compressors		Nr	4							
Type of compressors		-	SCROLL							
Refrigerant		-	R-32							
Standard power supply		V	460/3"/60							
Sound power level cooling (SC)	(3)	dB(A)	90	91	91	91	91	92	93	93
Sound power level cooling (EN)	(3)	dB(A)	87	87	87	87	88	89	89	90

(1) Data: User side heat exchanger water 54 °F / 44 °F; Outdoor Air 95 °F

(2) Data: User side heat exchanger water 110 °F / 120 °F; Outdoor air 47 °F d.b. / 43 °F w.b.

(3) Sound power calculated on the basis of measurements made in accordance with UNI EN ISO 9614-2

The above mentioned data refer to standard units. For all other configurations, please refer to the dedicated technical bulletin.

accessories

CCCA	Copper / aluminium condenser coil with acrylic lining	ECS	ECOSHARE function for the automatic management of a group of units
CCCA1	Condenser coil with Aluminium Energy Guard DCC treatment	SPC1	Set-point compensation with 4-20 mA
PFGP	Soundproofing paneling of the pumping unit	SCP4	Set-point compensation with 0-10 V
IVFDT	Inverter driven variable flow-rate user side control depending on the temperature differential	PSX	Mains power supply
CSVX	Couple of manually operated shut-off valves	AMMX	Spring antivibration mounts
IFWX	Steel mesh strainer on the water side	PGFC	Finned coil protection grill
CMSC9	Serial communication module for Modbus supervisor	PGCCH	Anti-hail protection grilles
CMSC11	Serial communication module for BACnet-IP supervisor	1PM	Hydropack user side with 1 on/off pump
CMSC12	Serial communication module for BACnet-MSTP supervisor	1PMV	Hydropack user side with 1 inverter pump
RCMRX	Remote control via microprocessor control	1PMH	Hydropack user side with 1 high static pressure on/off pump
RE-25	Electrical panel antifreeze protection for min. outdoor temperature down to -25 °C	1PMVH	Hydropack user side with 1 high static pressure inverter pump
RE-39	Electrical panel antifreeze protection for min. outdoor temperature down to -39 °C	1P1SB	Hydropack user side with 1+1 on/off pump
DML4-20	Demand limit with 4-20 mA	1P1SBV	Hydropack user side with 1+1 inverter pump
DML0-10	Demand limit with 0-10 V	1PAPS	Hydropack user side with 1+1 high static pressure on/off pump
CREFBH	High static pressure ecobreeze system	1PAPSV	Hydropack user side with 1+1 high static pressure inverter pump

Accessories whose code ends with "X" are supplied separately