

SHEEN NA



Reversible heat pump

Air cooled
Inverter Technology
Outdoor installation

Capacity 20 TON

**WiSAN-YSE1 NA
30.2**

- ✓ **Reversible Heat Pump Technology.** Capable of producing, according to the season, hot or cold water.
- ✓ **High Reliability Design.** Inverter Scroll compressor ensure efficient and reliable operation. DC Inverter fans offer superior airflow and energy efficiency. Two independent circuits provide redundancy and enhanced reliability.
- ✓ **High Sustainability Ecological Refrigerant.** R32 with a Global Warming Potential of 675, reducing environmental impact.
- ✓ **Industry-Leading Efficiency.** Full inverter scroll technology guarantees performance at full and partial load to adapt to the needs of the plant. IPLV (Integrated Part Load Value) up to 20.15, maximizing seasonal performance.
- ✓ **Ultra-Quiet Operation.** Our super-silenced version reduces noise levels, ensuring a quieter environment. Configurable sound emissions reduce the fans speed.
- ✓ **Wide Operating Envelope.** Delivers outlet water temperatures up to 149°F and operates in outdoor temperatures as low as -22°F.
- ✓ **Faster, More Efficient Defrosting.** A special hydrophilic coil treatment shortens defrost cycles, ensuring uninterrupted performance and efficiency.
- ✓ **System scalability up to 160 Tons.** Modular operation up to 8 units in a cascade setup.

Functions and Features



Heat pump



Air cooled



Outdoor installation



R-32



Hermetic scroll



Electronic expansion valve

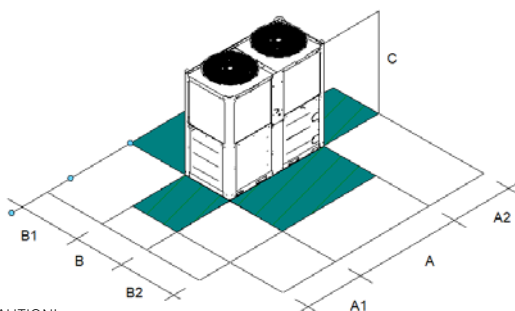


ECOBREEZE



Full inverter

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	▶▶ SHEEN-NA	30.2
A - Length	in	78.74
B - Width	in	37.8
C - Height	in	74.2
A1	in	59.1
A2	in	59.1
B1	in	59.1
B2	in	59.1
Operating weight	lbs	1,193

The above mentioned data are referred to standard units for the constructive configurations indicated.

PRELIMINARY DATA

Versions and Configurations

SUPPLY VOLTAGE:

- 208-230/3~/60 Supply voltage (Standard)

ENERGY VERSION:

EXC High efficiency

EXTERNAL SECTION FAN CONSUMPTION REDUCTION:

VENDC DC high efficiency fan (Standard)

Technical Data

SIZE	▶▶ SHEEN-NA	30.2
Cooling Capacity	(1) ton	20
Total power input	(1) kW	23.45
EER	(1) BTU / (Wh)	10.24
IPLV	(1) BTU / (Wh)	20.15
Heating Capacity	(2) MBH	255.9
Total power input	(2) kW	22.06
COP	(2) kW / kW	3.40
Refrigeration circuits	Nr	2
N° of compressors	Nr	2
Type of compressors	-	INVERTER SCROLL
Refrigerant	-	R-32
Standard power supply	V	208-230/3~/60

(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.

PRELIMINARY DATA

Accessories

- BCACF** Copper / aluminium condenser coil with acrylic lining
- CMSC13X** Serial communication module for Modbus TCP/IP, BACnet IP, BACnet MSTP supervisor
- AMRX** Rubber antivibration mounts
- HYGU1VI** User side hydronic group with 1 inverter pump
- TCDC** Condensate collection pan with electric heater

Accessories whose code ends with "X" are supplied separately