

TECHNICAL DATA

WISAN-YEE1 50.4 Air cooled heat pump for external installation (R32-400T-IOM11X-PED)

SELECTED OPERATION CONDITIONS

COOLING		SELECTED
Outdoor air temperature	°C	35.0
Return water temperature load side	°C	12.0
Leaving water temperature load side	°C	7.00
Required part load capacity	kW	999
HEATING		SELECTED
Leaving water temperature load side	°C	60.0
Return water temperature load side	°C	55.0
Outdoor air temperature	°C	-3.00
Required part load capacity	kW	999
GENERAL		SELECTED
Delta T load side loop	°C	5.00
Glycol on load loop	%	0.000
SOUND PRESSURE LEVEL AT DISTANCE		SELECTED
Distance from unit	m	1.00

PERFORMANCE DATA

COOLING		
Cooling capacity	kW	127
Compressor power input	kW	47.0
Total power input	kW	50.7
EER	Nr	2.51
EER compressor	Nr	2.70
Cooling capacity (EN14511:2022)	kW	127
Total power input (EN14511:2022)	kW	51.0
EER (EN 14511:2022)	Nr	2.49
Compressor RPM	%	100
Water flow-rate (User Side)	l/s	6.04
Pressure drop load side exchanger	kPa	23.5
HEATING		
Heating capacity	kW	75.6
Compressor power input	kW	45.4
COP	Nr	1.54

COP compressor	Nr	1.67
Heating capacity (EN14511:2022)	kW	75.7
Total power input (EN14511:2022)	kW	49.1
COP (EN 14511:2022)	Nr	1.54
Compressor RPM	%	100
Water flow-rate (User Side)	l/s	3.67
Pressure drop load side exchanger	kPa	9.43
NOISE LEVELS		
Sound Pressure Level at Distance	dB(A)	67.0
STANDARD UNIT WEIGHTS		
Shipping weight	kg	1098
Operating weight	kg	1100
POWER SUPPLY		
F.L.I. - Total	kW	75.8
F.L.A. - Total	A	120

Verify that the desired working conditions are within the operating range given in the technical bulletin

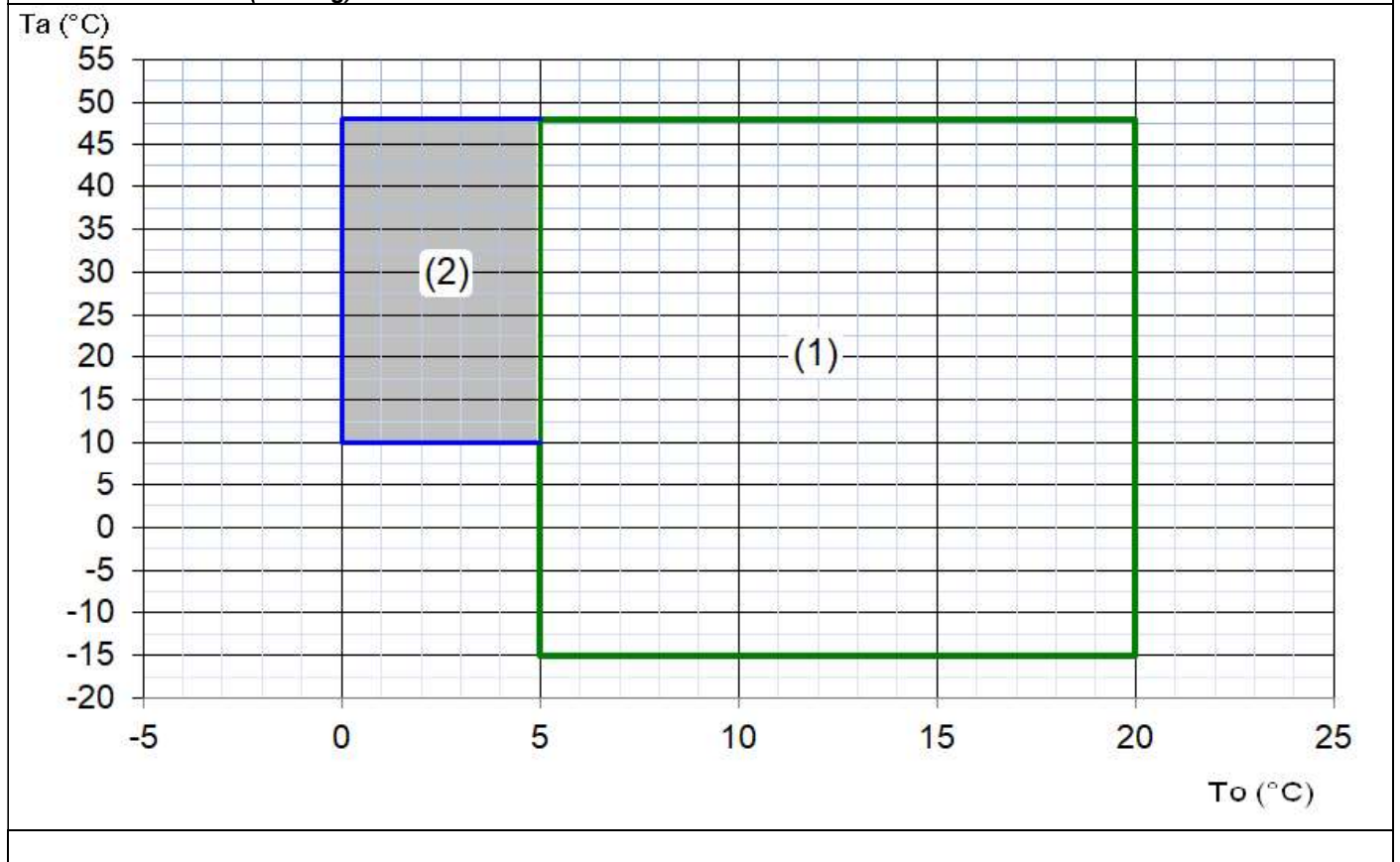
THE TECHNICAL DATA ARE APPROXIMATE AND MAY BE MODIFIED BY THE MANUFACTURER WITH NO REQUIREMENT FOR ADVANCE NOTICE

TECHNICAL DATA REFER TO THE TECHNICAL BULLETIN

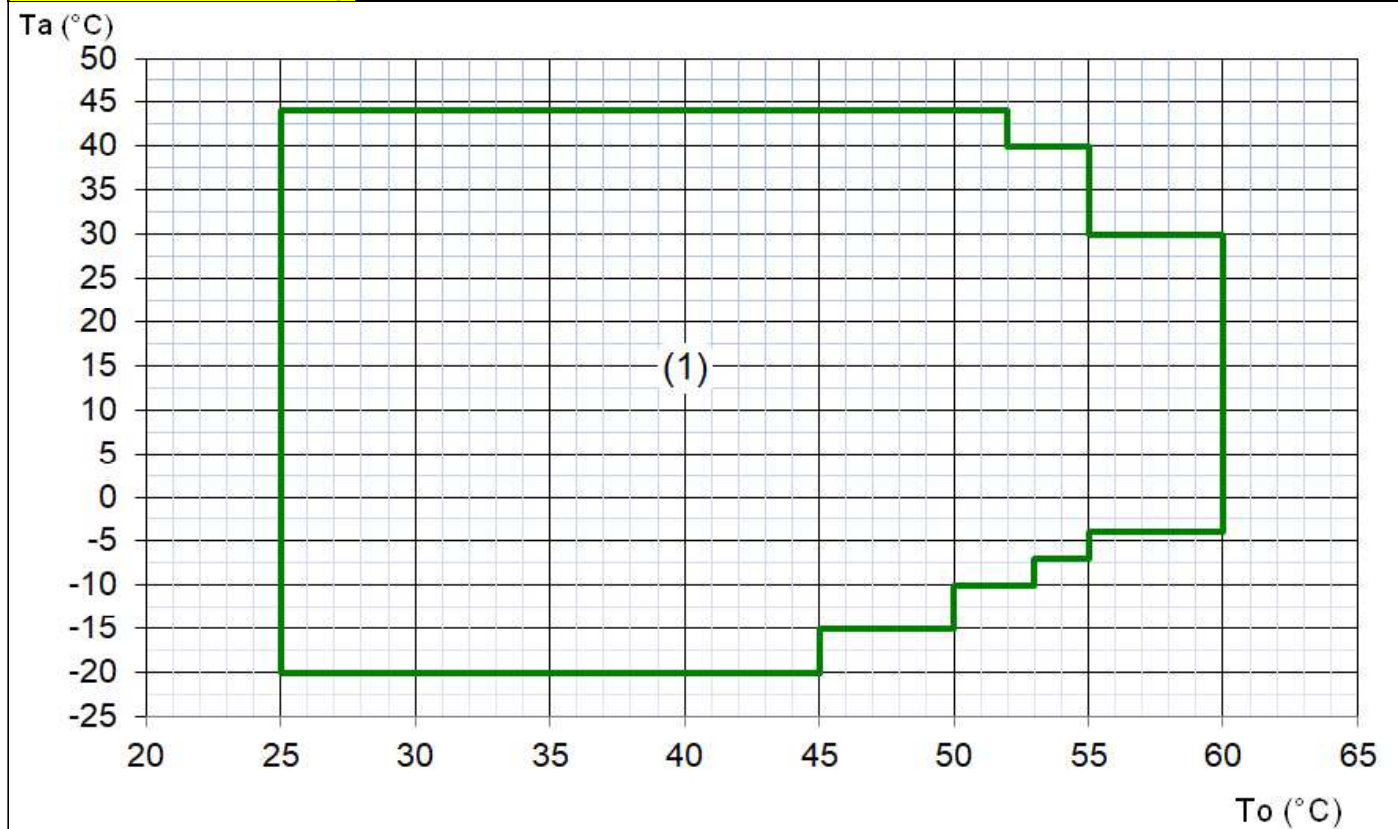
GENERAL			
COOLING			
IPLV		Nr	4.25
REFRIGERANT CIRCUIT			
Refrigeration circuits		Nr	2.00
Refrigerant charge (C1)		kg	14.5
Refrigerant charge (C2)		kg	14.5
Type of refrigerant			R-32
Global Warming Potential			675
DIRECTIVE ERP (ENERGY RELATED PRODUCTS)			
COOLING			
SEER		Nr	4.51
Seasonal space cooling energy efficiency (η_{sc})		%	178
Rated cooling capacity		kW	127
Sound power level, outdoor		dB(A)	85.0
HEATING			
SCOP W55		Nr	2.88
SCOP W35		Nr	4.12
Seasonal space heating energy efficiency (η_{sh}) W55		%	112
Seasonal space heating energy efficiency (η_{sh}) W35		%	162
Rated heat output W55		kW	85.6
Rated heat output W35		kW	96.8
COMPRESSOR			
No. of compressors		Nr	4.00
Type of compressors			ROTARY INVERTER
Std Capacity control steps		Nr	STEPLESS
Type of oil			POE
EXTERNAL SECTION FANS			
Type of fans			BRUSHLESS DC MOTOR
Number of fans		Nr	2.00
Fan diameter		mm	890

Standard airflow		l/s	16667
Installed unit power		kW	1.80
INTERNAL EXCHANGER			
Water content		l	10.5
WATER CIRCUIT			
Max water side pressure		MPa	1.00
ELECTRICAL DATA			
POWER SUPPLY			
Standard power supply		V	380-415V 3 ~50Hz
M.I.C. MAXIMUM INRUSH CURRENT			
M.I.C. - Value		A	59.0
WEIGHT AND DIMENSIONS			
Shipping length		mm	3450
Shipping depth		mm	1250
Shipping height		mm	2060

OPERATING RANGE (Cooling)



OPERATING RANGE (Heating)



SOUND LEVELS

Sound power level: Hz								Sound pressure level	Sound power level
Octave band (Hz)									
63	125	250	500	1000	2000	4000	8000	dB(A)	dB(A)
68	71	77	78	81	81	70	66	67	85

Data refer to the following conditions: internal water exchanger = 12/7 °C; outdoor air temperature 35°C

the sound levels refer to the unit at full load, in the rated test conditions.?

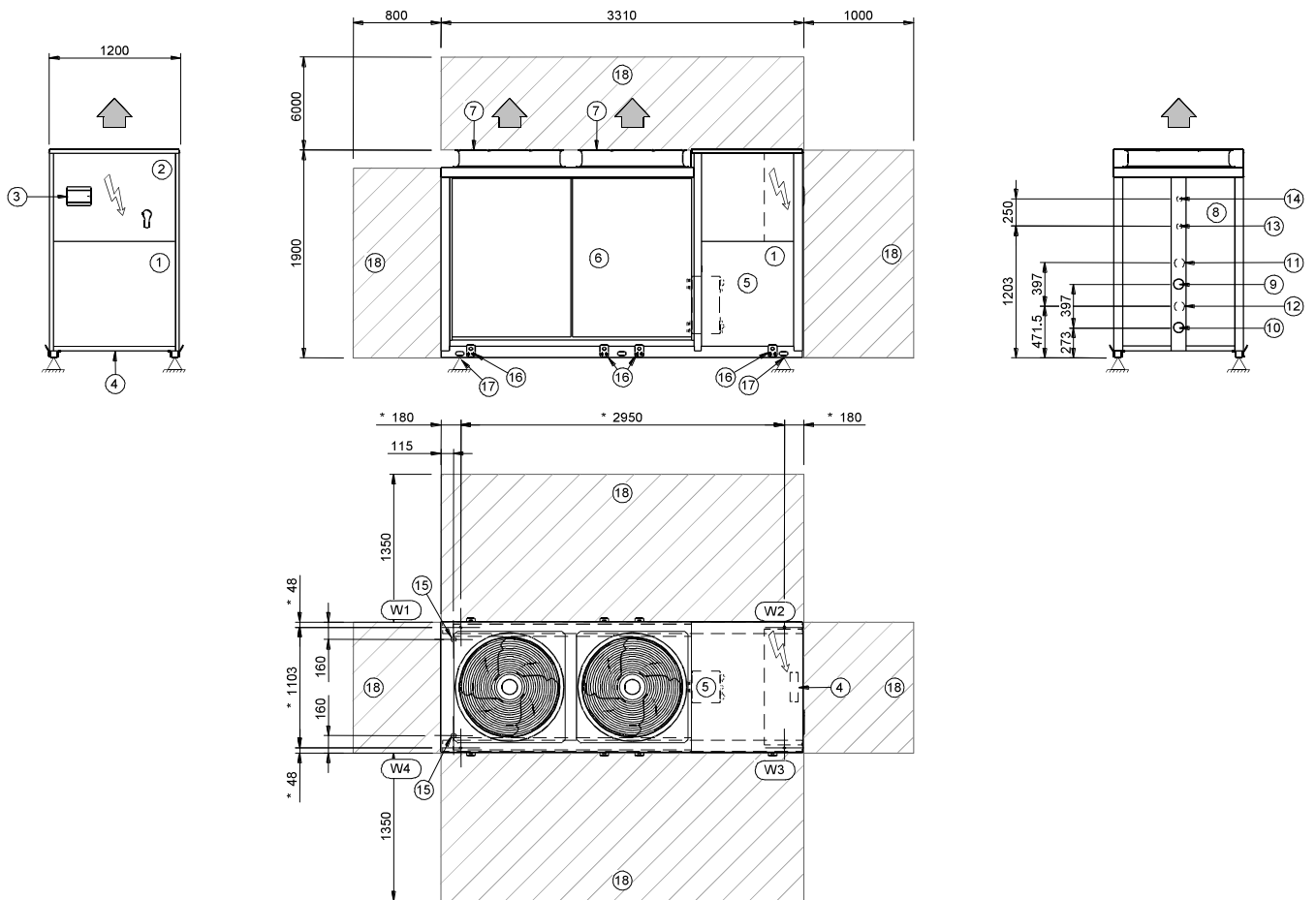
The sound pressure level refers to a distance of 1m from the external surface of the units operating in an open field.

Measures are according to UNI EN ISO 9614-2 regulations, with respect to the EUROVENT 8/1 certification, which provides for a tolerance of 3 dB(A) on the sound power level, which is the only acoustic data to be considered binding.

Data refer to standard units.

DIMENSIONAL DRAWINGS

WISAN-YEE1 50.4 Air cooled heat pump for external installation (R32-400T-IOM11X-PED)



- (1) Compressor compartment
- (2) Electrical panel
- (3) Unit control keypad
- (4) Power input
- (5) Internal exchanger
- (6) External exchanger
- (7) Electric fan
- (8) Back compartment
- (9) Inlet water connections 2" 1/2 Victaulic
- (10) Outlet water connections 2" 1/2 Victaulic
- (11) Inlet DHW water connection 2" 1/2 Victaulic (optional)
- (12) Outlet DHW water connection 2" 1/2 Victaulic (optional)
- (13) Partial recovery water connection OUT 1" 1/4 gas (optional)
- (14) Partial recovery water connection IN 1" 1/4 gas (optional)
- (15) Condensate drain
- (16) Lifting brackets (removable)
- (17) SUPPORTING POINTS
- (18) Functional spaces
- (*) vibration mounts position
- Condensate drain / Removable drain pan

The presence of optional accessories may result in a substantial variation of the weights shown in the table.

DIMENSIONS (mm)		
A - Length	B - Width	C - Height
3310.0	1200.0	1900.0

WEIGHT DISTRIBUTION (Kg)					
W1 Supporting Point	W2 Supporting Point	W3 Supporting Point	W4 Supporting Point	Shipping weight	Operating weight
171	312	312	171	997	966