

Rev_02. 10/02/2020

AIR CONDITIONER FOR COMMAND AND CONTROL PANELS

type **Pxs 9418 N33**



Description

- 1) **RATING PLATE**
Contains the model's identification data and the description of its main features
- 2) **FRAME**
Made of steel sheet painted with Epoxy-Polyester powders, standard Ral 7035 color,(AISI 316 optional)
(AISI 316 standard for PXS 9418N33_00X version)
- 3) **CLOSING HATCH**
Made of steel sheet painted with Epoxy-Polyester powders, standard Ral 7035 color,(AISI 316 optional)
(AISI 316 standard for PXS 9418N33_00X version)
- 4) **LIFTING EYEBOLT**
Four eyebolt is supplied with the unit to facilitate lifting and Transport operations
- 5) **ELECTRICAL PANEL**
Has the control circuit and control unit
- 6) **CONDENSER**
Composed of a battery with copper pipes and aluminum fins, blocked by mechanical expansion. Optional for marine use, PXS 9418N33_00X version: copper pipes and fins.
- 7) **EVAPORATOR**
Composed of a battery with copper pipes and aluminum fins, blocked by mechanical expansion. Optional for marine use, PXS 9418N33_00X version: copper pipes and fins.
- 8) **ELECTRONIC THERMOSTAT**
Fitted with Set and Δt adjustable from +25 to +45°C and from 1 to 10 K respectively, set in the factory with Set at +35°C and Δt at 5K a LED, on the front of the instrument, shows the status of the output relay
- 9) **COMPRESSOR**
Of maintenance-free Scroll type, fitted with vibration-proof feet and equipped with an Incorporated thermo-ampometric cut-out.
- 10) **CONDENSER FAN**
Of radial type with rotary stator mounted on self-lubricating ball bearings, electronic switching motor and variable rotation speed
- 11) **EVAPORATOR FAN**
Of radial type with rotating stator fitted on self-lubricating ball bearings, with incorporated thermal cut-out
- 12) **AIR INTAKE MOUTH**
The arrangement at the top of the mouth of recovery allows take from electrical panel the warmer air to avoid the accumulation of pockets of heat.
- 13) **REFRIGERATED AIR DELIVERY MOUTH**
The provision of this mouth in the bottom ensure maximum application performance)
- 14) **CONDENSATE WATER TANK AND DRAINAGE PUMP**
Any condensate produced by the cooling process is collected in a tank, and then evacuated outside by a pump controlled by a float level switch
- 15) **ENVIRONMENT AIR INTAKE GRID**
Equipped with anti-intrusion labyrinth
- 16) **ELECTRICAL CONNECTIONS**
Electrical connections made easier by socket and plug WAGO 9-pole disconnectable

2.2 STANDARD ACCESSORIES

1) Fixing pack

- stud bolts
- flanged nuts
- washers
- Polyethylene adhesive 6 m
- Condensation drain flexible tube

2) Trial sheet

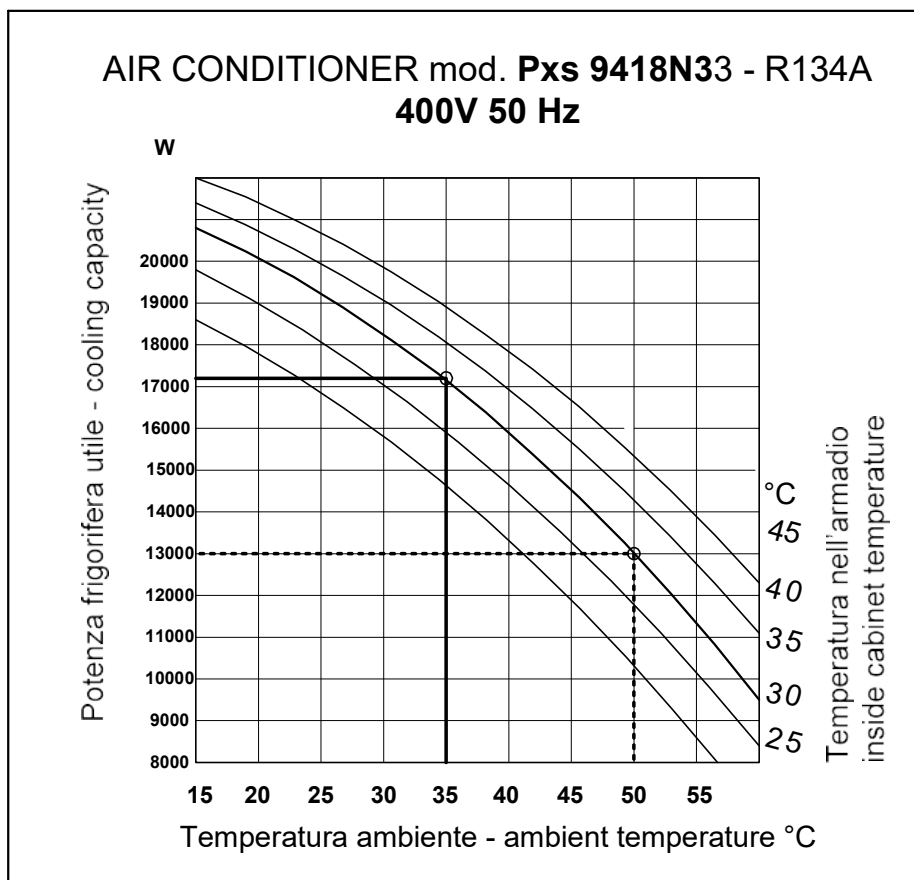
3) Warranty certificate

4) Instruction, use and maintenance manual

2.3 ACCESSORIES SUPPLIED ON REQUEST

Description	Code
kit pump for the automatic evacuation condensate	P1032300

Useful cooling capacity diagram



TECHNICAL INFORMATION

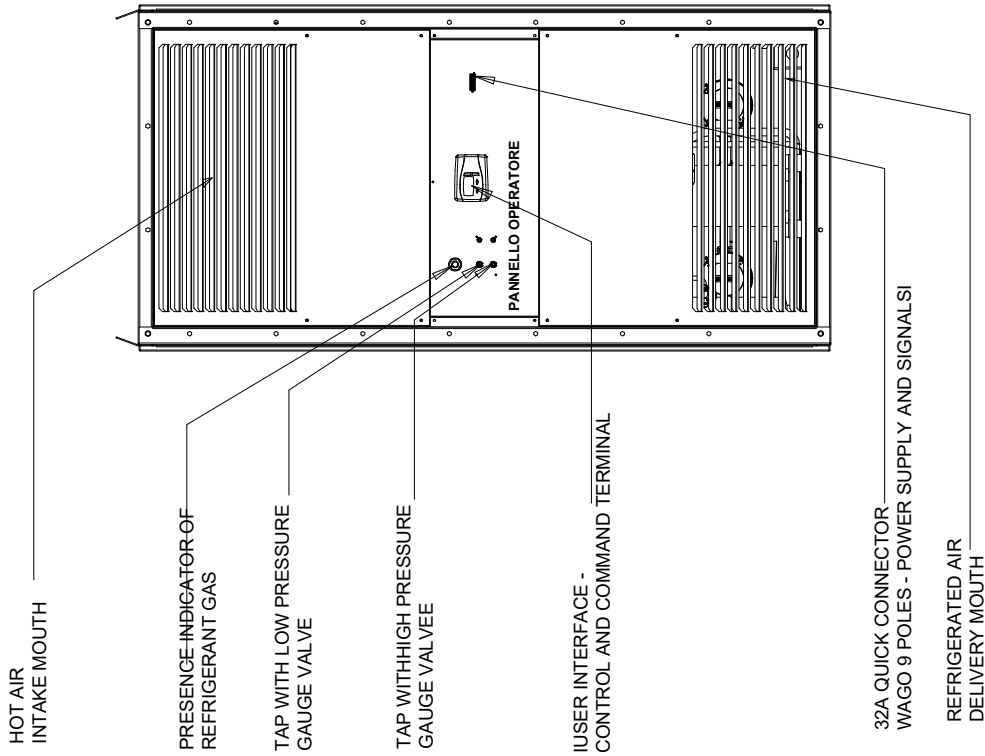
3.1 TECHNICAL DATA

ITEM CODE	PXS	9418N33	
REFRIGERATING POWER			
L35 - L35 L35 - L50	W	(50/60) (50/60)	17.200 / 18.600 13.000 / 14.000
OPERATING FIELD			
AMBIENT TEMPERATURE PANEL TEMPERATURE	°C °C		- 20 ~ +40 +20 ~ +45
VOLTAGE			
RATED VOLTAGE	V / Hz		400/460V 50/60Hz 3~
CURRENT			
RATED CURRENT STARTING CURRENT	A A	(FLA 50/60) (LRA 50/60)	14,1 / 14,5 66,0 / 72,0
ABSORBED POWER			
RATED L35 - L35	W	(50/60)	7.660 / 8.950
EER			
Energy Efficiency Ratio	EN 14511	(50/60)	2,29 / 2,37
REFRIGERANT			
TIPO QUANTITA' PRESSIONE MAX GWP = 1774	R g. kPa t CO _{2e}		407C 4.000 3.100 ① 7,090
PROTECTION RATING - EN 60529			
INTERIOR CIRCUIT EXTERIOR CIRCUIT	IP IP		55 34
SPOUT FEED AIR FLOW RATE			
INTERIOR CIRCUIT EXTERIOR CIRCUIT	mc/h mc/h	(50/60) (50/60)	3.200 / 3.600 7.200 / 7.200
SOUND PRESSURE			
MAXIMUM	dB (A)		68
NET WEIGHT			
ACCESSORIES NOT INCLUDED	Kg		310
COLOUR			
STANDARD	RAL	7035 (other colors available upon request)	
DIMENSIONS			
BASE DEPTH HEIGHT	mm. mm. mm.		1.000 565 2.000
PROTECTION			
AUTOMATIC SWITCH OR FUSES	A		20
SETTING			
DIGITAL ELECTRONIC MICROCONTROL WITH TERMINAL ON THE OPERATOR PANEL		factory setting: set =35 °C – Δt =5k	

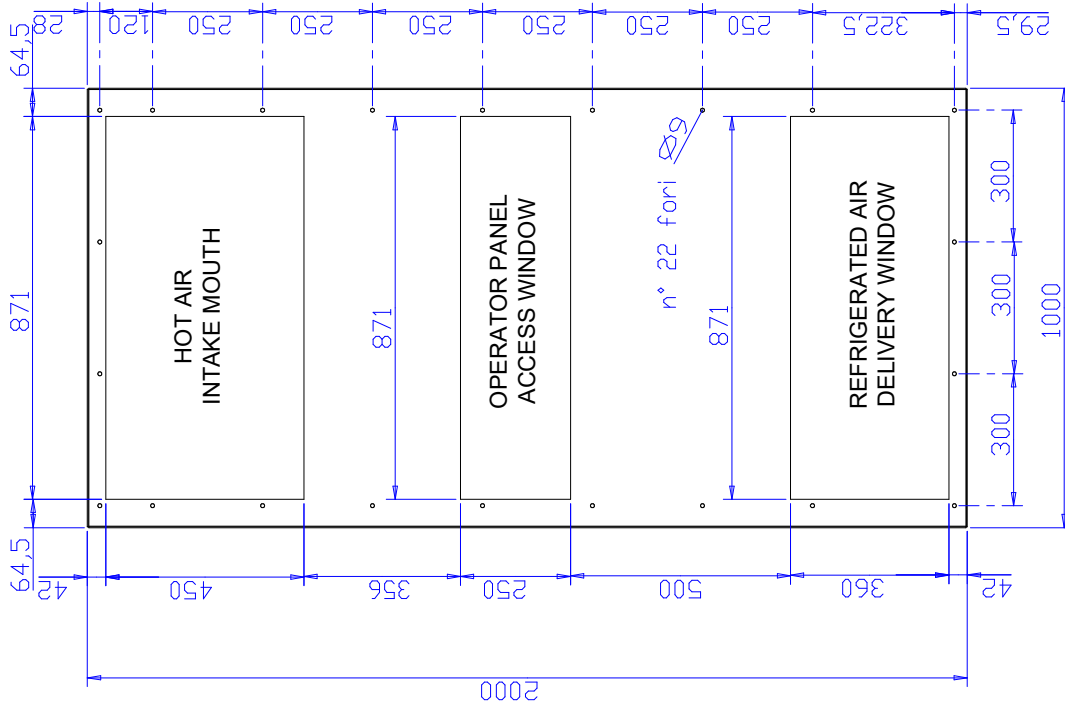
TEMPLATE FOR MOUNTING STANDARD:

PXS 9418 N33 00X

FRONT TOWARDS INSIDE THE SHELTER



WINDOWS AND HOLES TO BE PRACTICED ON THE MOUNTING PLAN

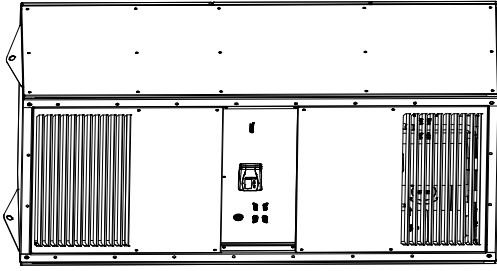


Disegno N° : Sostituisce il N° : Sostituito dal N° :	Formato : A3 SCALA 0,050		Materiali: 15/01/2018 Spessore: Verniciatura:	Gorlago li: Disegnato da: ROVELLI Approvato da:	NOTE : AIR CONDITIONER PXS 9418 00X FOR MARINE ENVIRONMENT	S.I.M. Engineering S.r.l. Via B. Colleoni, 35/37 - 24060 Gorlago (BG) - Italy Tel +39 035 882634 - Fax +39 035 4821146
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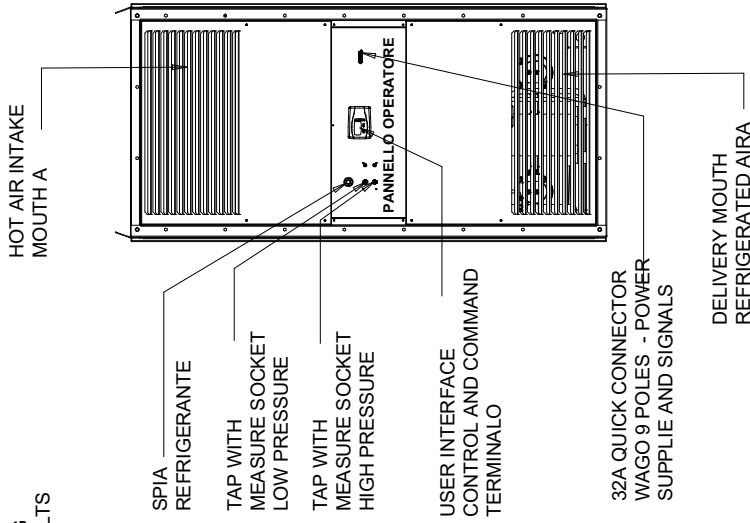
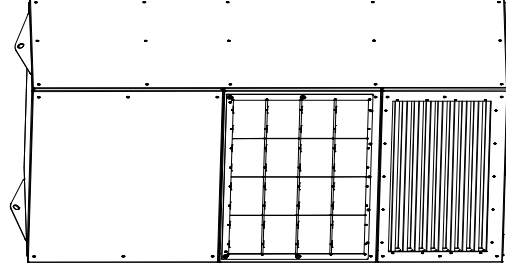
OVERALL SIZE:

PXS 9418 N33 00X

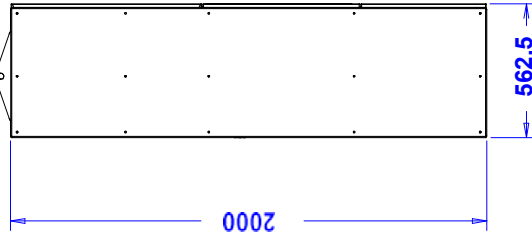
FRONT INSIDE THE SHELTER



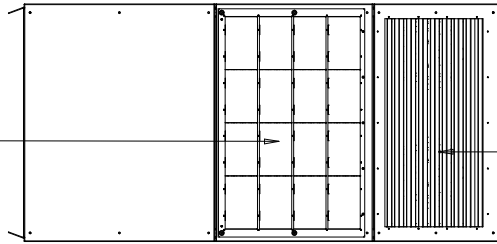
SIDE TOWARDS THE EXTERNAL ENVIRONMENT



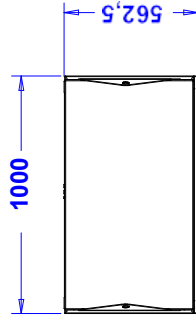
LIFTING EYEBOLTS



EXPULSION GRID CONDENSER AIR WITH A ANTI-WAVE VALVE



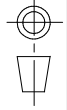
AIR INTAKE MOUTH WITH ANTI-WAVE GRID



TYPE_00X FOR MARINE USE:
 CARPENTRY AISI 316L
 COPPER-COPPER EXCHANGERS
 ANTIWAVE PROTECTION
 ENVIRONMENT - 20 ... +40 ° C

Disegno N° :
 Sostituisce il N° :
 Sostituito dal N° :

Formato : A3
 SCALA 0,050



Materiale: 15/01/2018
 Spessore:
 Verniciatura:

Gorlego li:
 Disegnato da: Rovelli
 Approvato da:

NOTE :
 CONDIZIONATORE D'ARIA PXS_9418_00X
 PER IMPIEGO MARINO

S.I.M. Engineering S.r.l.
 Via B. Colleoni, 35/37 - 24060 Gorlego (BG) - Italy
 Tel +39 035 882634 - Fax +39 035 4821146