

Rev.02\_2023

## COOLING UNIT FOR CONTROL PANELS

models **Pxs 5240 Pxs 5250**



## Air conditioner for control panels **Pxs 5240 – Pxs 5250**

### TECHNICAL DESCRIPTION

- Installation on the door or on side wall, recessed, encased partially and outside the framework
- For semi-recessed installation is necessary to use a specific carter
- The maximum depth of encased is 290 mm with 20 mm projection outside
- Voltage 400V 50Hz / 460V 60Hz AC three-phase or, on request 220-240V 50Hz single phase
- Connecting to the network using terminal look out in the cabinet
- Probe of the remotable thermostat (3 m max.) For better control of the most sensitive parts to temperature changes.
- Electronic digital thermostat by microprocessor with integrated alarm functions: probe fault, connection not correct, over range, alarm high / low temperature, anti freeze alarm, etc..
- A specific relay of the thermostat, pilot if there are, the resistances anti condensate (230V 2A max)
- Security Alarm for low temperature (little cooling fluid, fault evaporator fan)
- Security Alarm for high temperature (filter and / or dirty condenser, fault condensator fan)
- block relay with voltage-free contact for remote alarm indication: relay always energized during normal operation, no energized in case of malfunction or failure of the relay itself. Connection via terminal: voltage-free contact.
- Condenser fan electronically controlled to adjust the air consumption to the actual needs of the system: Summer / winter night / day.
- Refrigerant R134a without CFC.
- Level switch of alarm and stop for maximum condensate level
- filter aluminium, washable, on intake mouth ambient air
- Limit switch of the cabinet doors. are arrested both the fans that the compressor at the opening of the doors . At the close of the doors, is immediately restarted the march of the indoor fan but the starting of the compressor and of the outdoor fan are on the delay, for prevents intermittent short courses.
- Installation Kit complete of prisoners, washers, nuts, polyethylene sealing and eyebolts
- optional kit for the evaporation of the condensate in the environment. In the operation with continental climate needs no drain condensate.

## Air conditioner for control panels **Pxs 5240 – Pxs 5250**

### TECHNICAL DATA 400/460 V 3 ~

<b>ARTICLE CODE</b>	<b>Pxs</b>	<b>5240 N33</b>
<b>REFRIGERATING POWER</b>		
L35 - L35 (50/60)	W	4.100 / 4.580
L35 - L50 (50/60)	W	3.000 / 3.400
<b>OPERATING FIELD</b>		
AMBIENT TEMPERATURE	°C	- 20 ~ +55
PANEL TEMPERATURE	°C	+20 ~ +50
<b>VOLTAGE</b>		
RATED VOLTAGE	V / Hz	400/460V 50/60Hz 3~
<b>INTENSITY</b>		
RATED CURRENT (FLA 50/60)	A	4,8/4,4
STARTING CURRENT (LRA 50/60)	A	24
<b>ABSORBED POWER</b>		
RATED L35 - L35 (50/60)	W	2.450 / 2.860
MAXIMUM L35 - L50 (50/60)	W	2.800 / 3.300
<b>REFRIGERANT</b>		
TYPE	<b>R</b>	134a
CAPACITY	g.	1400
MAX PRESSURE	kPa	2.400
<b>PROTECTION RATING - EN 60529</b>		
INTERIOR CIRCUIT	IP	54
EXTERIOR CIRCUIT	IP	34
<b>SPOUT FEED AIR FLOW RATE</b>		
INTERIOR CIRCUIT	mc/h	1.600
EXTERIOR CIRCUIT	mc/h	2.300
<b>SOUND PRESSURE</b>		
MAX	dB (A)	64
<b>NET WEIGHT</b>		
ACCESSORIES NOT INCLUDED	Kg	105
<b>COLOUR</b>		
STANDARD	RAL	7032 (other colors available upon request)
<b>DIMENSIONS</b>		
BASE	mm.	494
DEPTH	mm.	310
HEIGHT	mm.	1.580
<b>INTERMITTENCE</b>		
		100 %
<b>SETTING</b>		
DIGITAL ELETTRONIC THERMOSTAT		Factory setting : set =35 °C – Δt =5k

## Air conditioner for control panels **Pxs 5240 – Pxs 5250**

### TECHNICAL DATA 400/460 V 3 ~

<b>ARTICLE CODE</b>	<b>Pxs</b>	<b>5250 N33</b>
<b>REFRIGERATING POWER</b>		
L35 - L35 (50/60)	W	5.200/5.760
L35 - L50 (50/60)	W	3.700/3.400
<b>OPERATING FIELD</b>		
AMBIENT TEMPERATURE	°C	- 20 ~ +55
PANEL TEMPERATURE	°C	+20 ~ +50
<b>VOLTAGE</b>		
RATED VOLTAGE	V / Hz	400/460V 50/60Hz 3~
<b>INTENSITY</b>		
RATED CURRENT (FLA 50/60)	A	5.8/5.4
STARTING CURRENT (LRA 50/60)	A	24
<b>ABSORBED POWER</b>		
RATED L35 - L35 (50/60)	W	2.940/3.400
MAXIMUM L35 - L50 (50/60)	W	3.300/3.800
<b>REFRIGERANT</b>		
TYPE	<b>R</b>	<b>134a</b>
CAPACITY'	g.	<b>1600</b>
MAX PRESSURE	kPa	<b>2.400</b>
<b>PROTECTION RATING - EN 60529</b>		
INTERIOR CIRCUIT	IP	<b>54</b>
EXTERIOR CIRCUIT	IP	<b>34</b>
<b>SPOUT FEED AIR FLOW RATE</b>		
INTERIOR CIRCUIT	mc/h	<b>1.600</b>
EXTERIOR CIUCUIT	mc/h	<b>2.300</b>
<b>SOUND PRESSURE</b>		
MAX	dB (A)	<b>72</b>
<b>NET WEIGHT</b>		
ACESSORIES NOT INCLUDED	Kg	<b>120</b>
<b>COLOUR</b>		
STANDARD	RAL	<b>7032</b> (other colors available upon request)
<b>DIMENSIONS</b>		
BASE	mm.	<b>494</b>
DEPTH	mm.	<b>310</b>
HEIGHT	mm.	<b>1.580</b>
<b>INTERMITTENCE</b>		
		<b>100 %</b>
<b>SETTING</b>		
DIGITAL ELETTRONIC THERMOSTAT		<b>Factory setting: set =35 °C – Δt =5k</b>

# Air conditioner for control panels **Pxs 5240 – Pxs 5250**

## STANDARD EQUIPMENT – VARIANT – ACCESSORIES

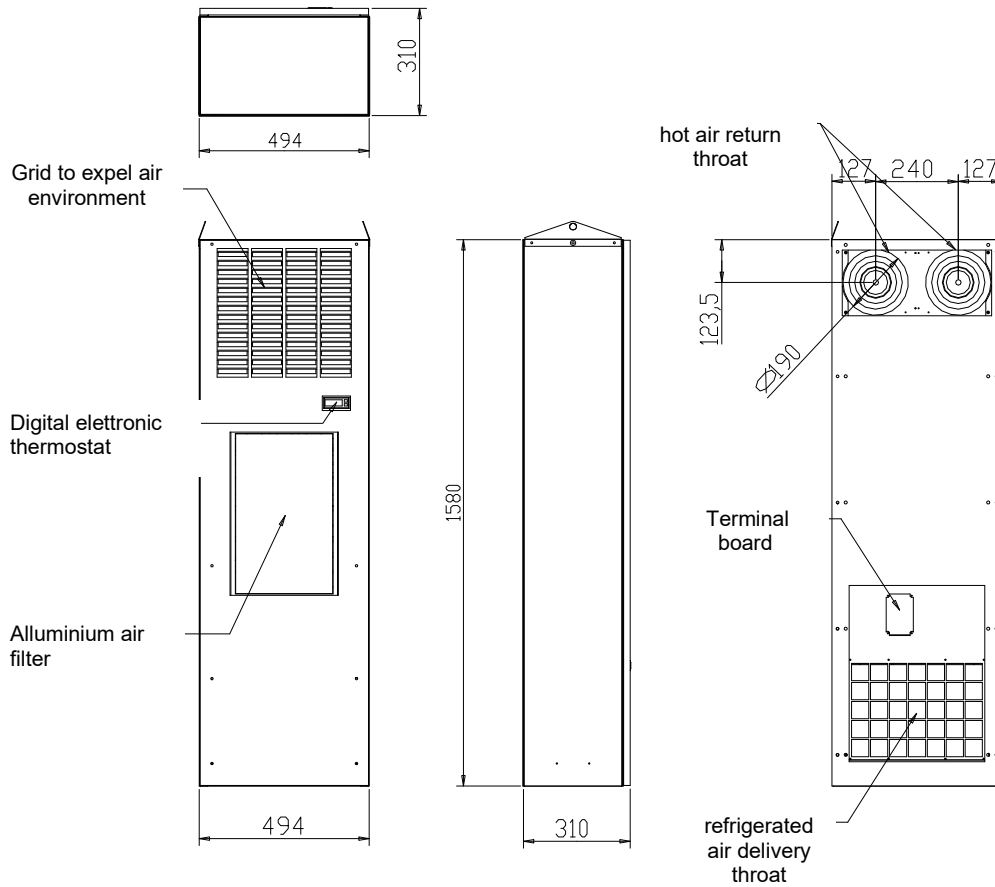
<b>MODELS Pxs_5240 e Pxs_5250</b>						
<b>DESCRIPTION OF THE CODE AND VARIATIONS</b>						
Serie	Models	Voltage V	Frequency Hz	Fase ~	colour	execution type
Pxs	5240	400/460 -- <b>N</b>	50/60 -- <b>3</b>	trifase - <b>3</b>	Ral 7032 -- <b>01</b> Ral 9010 -- <b>03</b> Ral 1014 -- <b>06</b>	standard --- <b>A</b>
<b>EXAMPLE OF ORDERING COMPLETE</b>						
Pxs	5240	N	3	3	01	A

<b>STANDARD ENVELOPE</b>	
1. Manual installation, operation and maintenance	3. testing certificate
2. Installation kit consisting of:	4. warranty certificate
• Prisoners nuts washers	
• Lifting Eyebolts	
• polyethylene sealing	

<b>ACCESSORIES ON REQUEST</b>	Article code
Kit automatic condensate evaporation	P_1030300
aluminum filter	050112
Carter installazione semiincassata (standard) = 150 mm: PAI 1030_XXX (XXX = mm in depth, to customer specification, standard 150 mm)	PAI 1030_150 PAI 1030_xxx

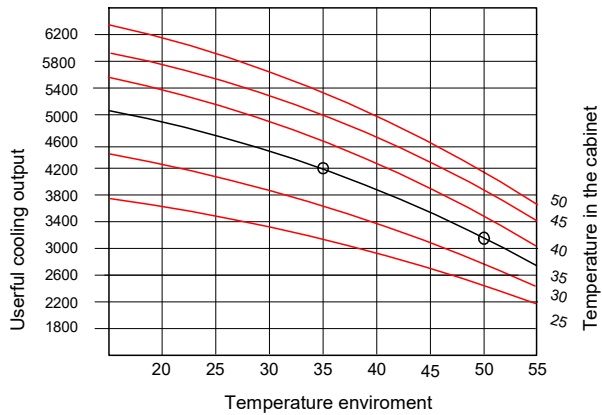
# Air conditioner for control panels Pxs 5240 – Pxs 5250

## SIZE

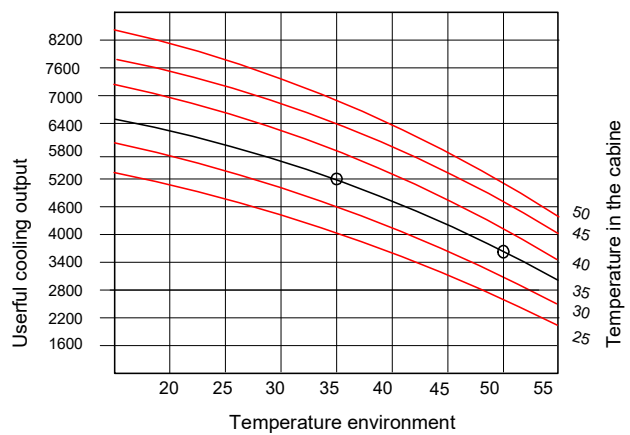


## DIAGRAM COOLING CAPACITY – DIN 3168 (50 Hz)

AIR CONDITIONER PXS 5240



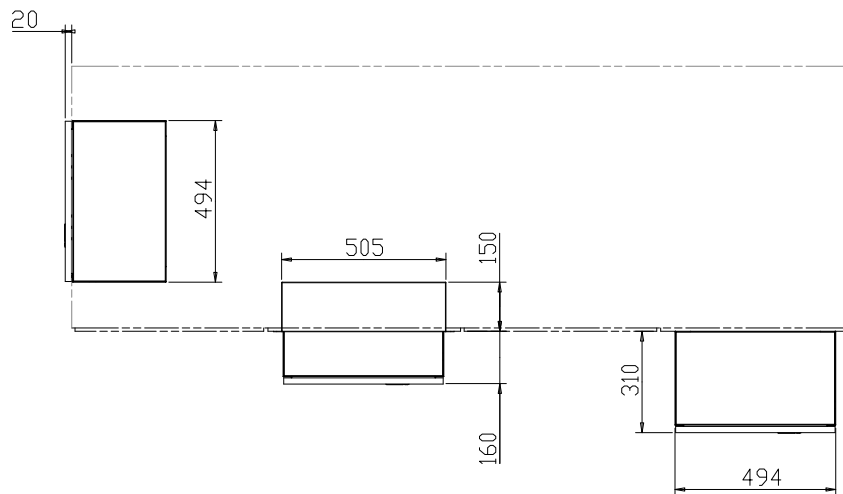
AIR CONDITIONER PXS 5250



# Air conditioner for control panels **Pxs 5240 – Pxs 5250**

## Models Pxs 5240 - 5250

INSTALLATION	A	B	C	D	E
Outside	310				
Fully recessed		20 out	290 in		
Semi recessed (standard) with carter PAI 1030_150 PAI 1030_XXX (XXX = mm in depth, to customer specification, standard 150 mm)				165 out	150 in



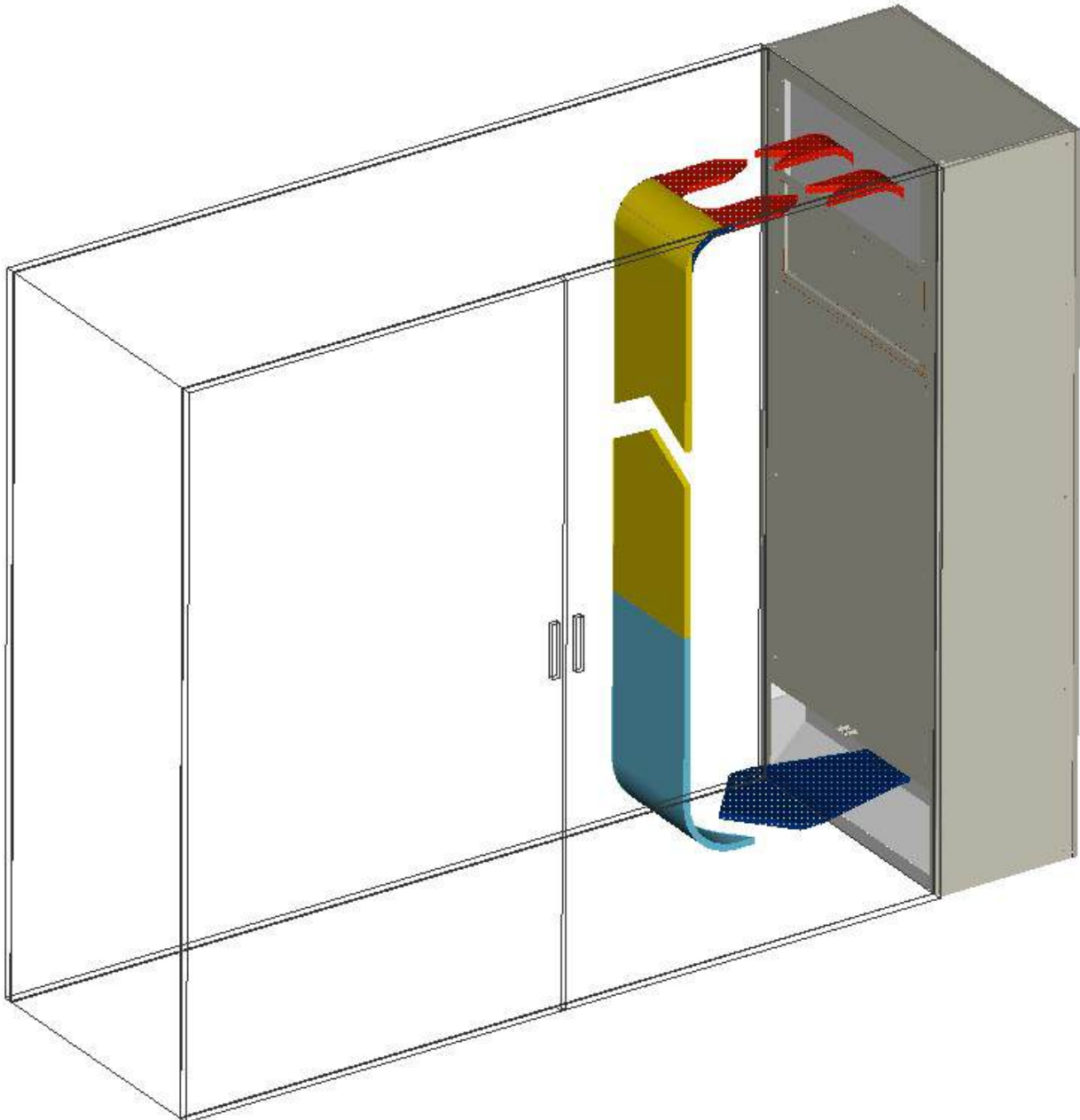
## Air conditioner for control panels **Pxs 5240 – Pxs 5250**

### **VENTILATION FLOWS:**

The large distance between the ventilation windows of the cabinet ensures a uniform distribution of the temperature, preventing the formation of heat pockets.

The flow of air expelled from the condenser, directed upwards, does not disturb the personnel operating near the equipment.

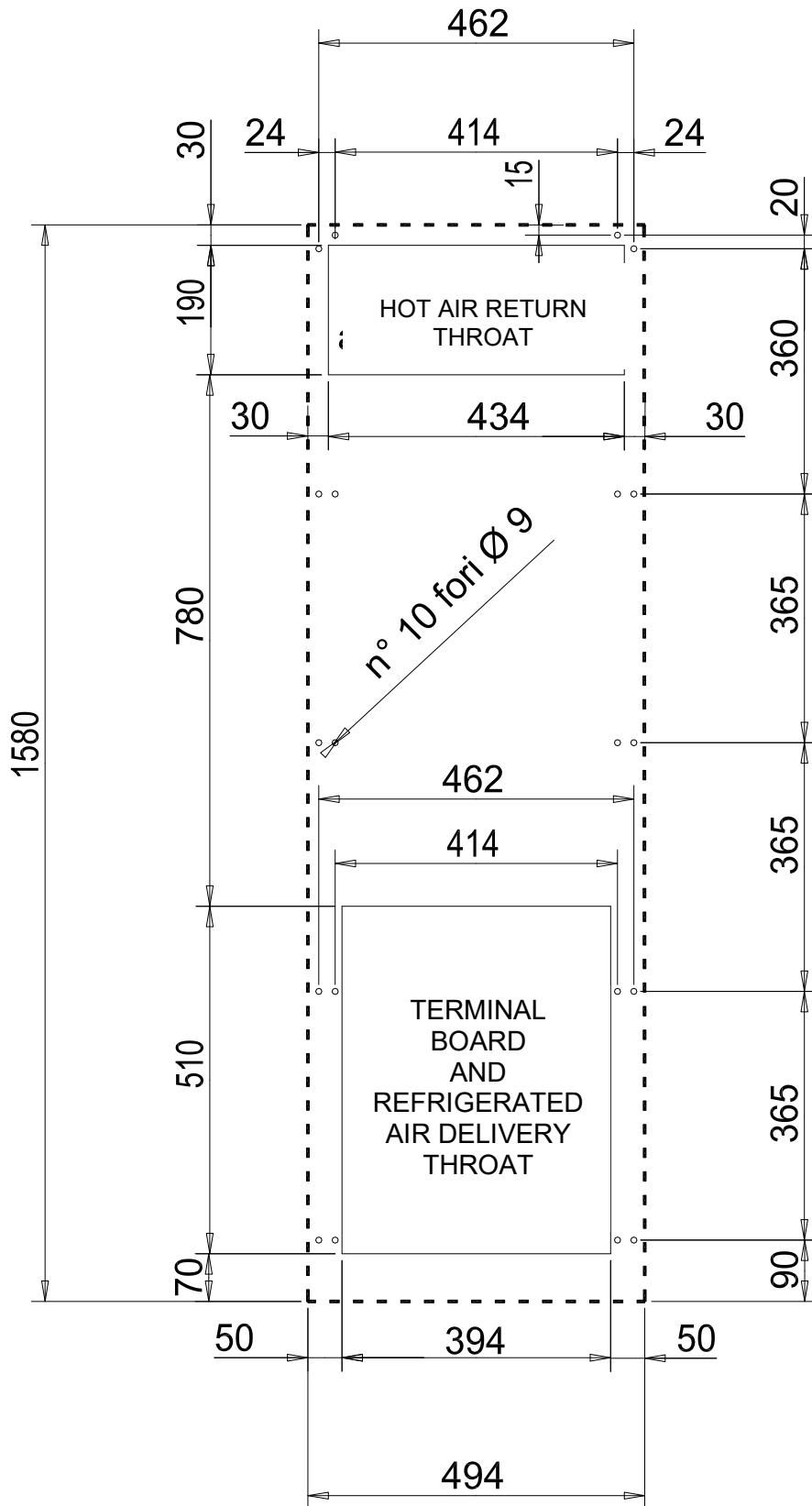
A filtering septum in aluminum mesh provides for the filtration of the air intaked from the environment





# Air conditioner for control panels Pxs 5240 – Pxs 5250

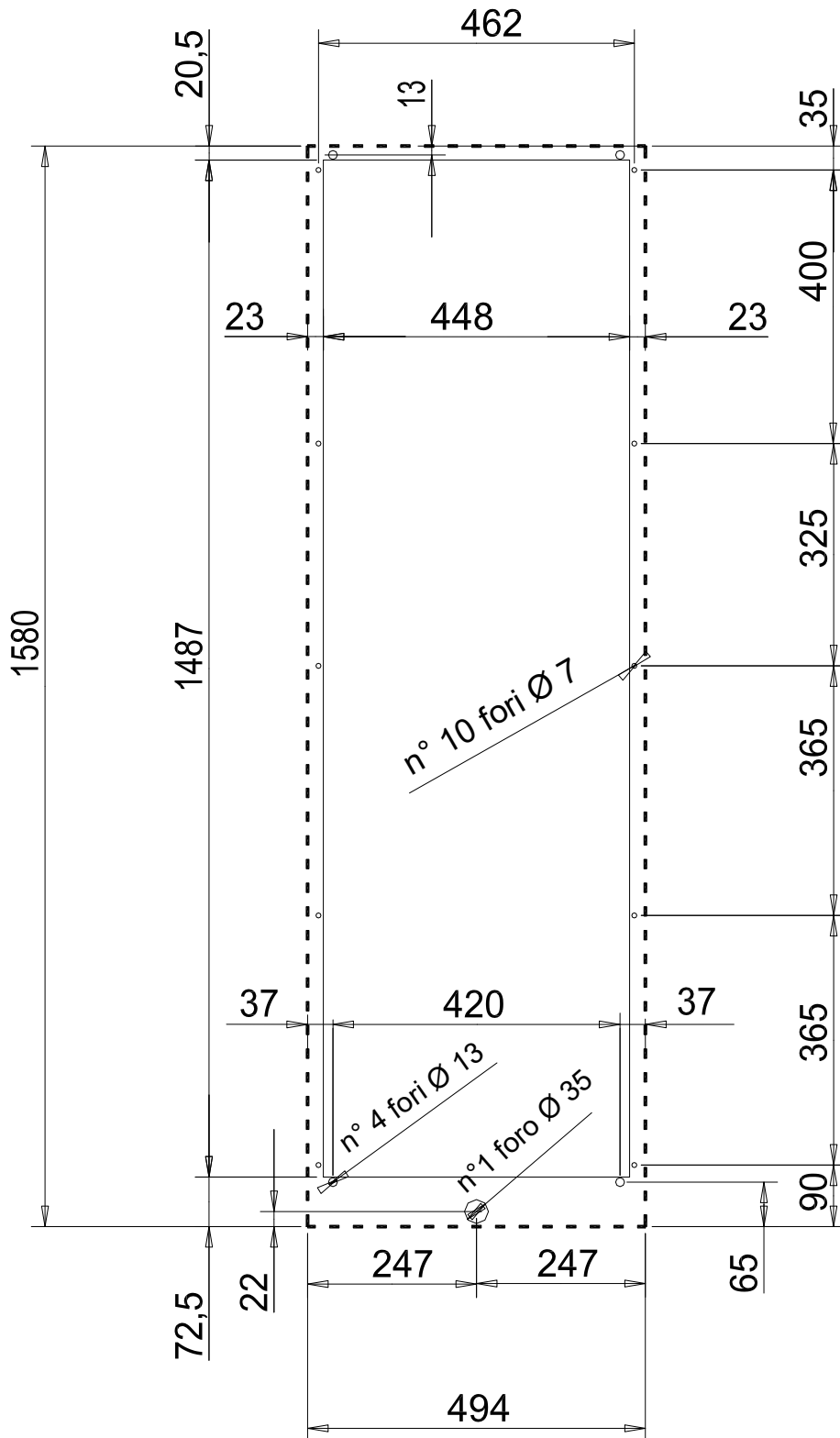
## TEMPLATE FOR OUTDOOR INSTALLATION



# Air conditioner for control panels **Pxs 5240 – Pxs 5250**

## TEMPLATE FOR INSTALLATION FULLY RECESSED

The installation requires no specific accessories



# Air conditioner for control panels **Pxs 5240 – Pxs 5250**

## TEMPLATE FOR SEMI RECESSED INSTALLATION

WITH CARTER PAI 1030\_XXX (XXX = mm in depth, to customer specification, standard 150 mm)

