

COOLING UNIT FOR CONTROL PANELS

Series **Txs** models **4271 – 4273 – 4275**

Rev 04 - 10/2016



DEVICE DESCRIPTION

- Voltage :
versions **H31** 230V 1~ 50-60 Hz, versions **N31** 400/460V 1~ 50/60Hz
- Installation on the top.
- Refrigerant fluid R 134a without CFC.
- Electronic digital microprocessor thermostat with delay in activating the output relay and integrated alarm functions: probe faulty, over range. Equipped with digital input for door micro position connection.
- Lock-out pressure switch for high pressure (automatic reset) Optional.
- Pressure switch for condenser fan speed adjustment: slows down the rotation speed of the fan to ensure the correct operation of the air conditioner in cold seasons, reduces the dusting of the condenser and/or filter and reduces the need for dusting.
- Digital input for connection of the door micro switchboard position: it stops the cooling and the internal fan when the door is opened.
- Motors with built-in thermo-amperometric protection.
- Stainless steel tray for collecting condensate.
- Block level switch and alarm for maximum condensate level (drain blocked).
- Alarm remote signaling: voltage free contacts.
- Condensate drain pipe supplied completed with check valve and 90° bend with quick coupling: it allows to overcome the edge of the roof while keeping the pipe against the wall of the cabinet.
- The room air intake grids are designed for the installation of a filter to prevent dusting of the condenser.
- Electrical connections, power and signals, via 9-pin Wago quick connector: plug on the machine, flying plug supplied.

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TECHNICAL FEATURES H31: ALIMENTAZIONE 230V 1~ 50-60 Hz

ITEM CODE	Txs	4271 H31	4273 H31	4275 H31
USEFUL COOLING OUTPUT				
L35 - L35 (50/60)	W	600 / 680	800 / 890	1.100/1.230
L35 - L50 (50/60)	W	420 / 460	600 / 660	780/900
OPERATION FIELD				
ENVIRONMENTAL TEMPERATURE	°C	0 ~ +55		
CABINET TEMPERATURE	°C	+20 ~ +50		
VOLTAGE				
RATED VOLTAGE	V / Hz	230V 50-60Hz 1~		
CURRENT				
RATED CURRENT (FLA 50/60)	A	2,2/2,5	2,4/2,8	2,9/3,4
START UP CURRENT (LRA 50/60)	A	7 / 8	8,5/9,8	10
POWER CONSUMPTION				
RATED L35 - L35 (50/60)	W	370/425	400/460	515/590
MAXIMUM L35 - L50 (50/60)	W	420/470	520/590	600/700
REFRIGERANT				
TYPE	R	134 a		
FILLING	g.	400	490	510
ADMISSIBLE PRESSURE	kPa	2.250		
PROTECTION CATEGORY - EN 60529				
INTERNAL CIRCUIT	IP	54		
EXTERNAL CIRCUIT	IP	34		
FAN FLOW FREE MOUTH				
INTERNAL CIRCUIT	mc/h	570		
EXTERNAL CIRCUIT	mc/h	830		
NOISE LEVEL				
MAXIMUM	dB (A)	60		
NET WEIGHT				
ACCESSORIES EXCLUDED	Kg	38	39	42
COLOR				
STANDARD	RAL	7035 (other colors aviable on request)		
OVERALL DIMENSIONS				
WIDTH	mm.	600		
DEPTH (WITHOUT GRID)	mm.	400		
HEIGHT	mm.	320		

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INTERMITTENCE	
	100 %
ADJUSTMENT	
BUILT-IN DIGITAL ELECTRONIC THERMOSTAT	Factory default settings : set =35 °C – Δt =5k

TECHNICAL FEATURES N31: ALIMENTAZIONE 400V 1~ 50-60 Hz

ITEM CODE	Txs	4271 N31	4273 N31	4275 N31
USEFUL COOLING OUTPUT				
L35 - L35 (50)	W	600/680	800 / 890	1.100/1.230
L35 - L50 (50)	W	420/460	600 / 660	780/900
OPERATION FIELD				
ENVIRONMENTAL TEMPERATURE	°C	0 ~ +55		
CABINET TEMPERATURE	°C	+20 ~ +50		
VOLTAGE				
RATED VOLTAGE	V / Hz	400V 50- 60Hz 1~		
CURRENT				
RATED CURRENT (FLA 50/60)	A	1,5/1,8	1,6/2	1,7/2,1
START UP CURRENT (LRA 50/60)	A	5	5,8	6
POWER CONSUMPTION				
RATED L35 - L35 (50/60)	W	370/425	400/460	515/590
MAXIMUM L35 - L50 (50/60)	W	420/470	520/590	600/700
REFRIGERANT				
TYPE	R g. kPa	134 a		
FILLING		400	490	510
ADMISSIBLE PRESSURE		2.250		
POWER CONSUMPTION - EN 60529				
INTERNAL CIRCUIT	IP	54		
EXTERNAL CIRCUIT	IP	34		
FAN FLOW FREE MOUTH				
INTERNAL CIRCUIT	mc/h	570		
EXTERNAL CIRCUIT	mc/h	830		
NOISE LEVEL				
MAXIMUM	dB (A)	60		
NET WEIGHT				
ACCESSORIES EXCUDED	Kg	40	41	45
COLOR				
STANDARD	RAL	7035 (other colors aviable on request)		

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OVERALL DIMENSIONS		
WIDTH	mm.	600
DEPTH (WITHOUT GRID)	mm.	400
HEIGHT	mm.	320
INTERMITTENCE		
		100 %
ADJUSTMENT		
BUILT-IN DIGITAL ELECTRONIC THERMOSTAT		Factory default settings : set =35 °C – Δt =5k

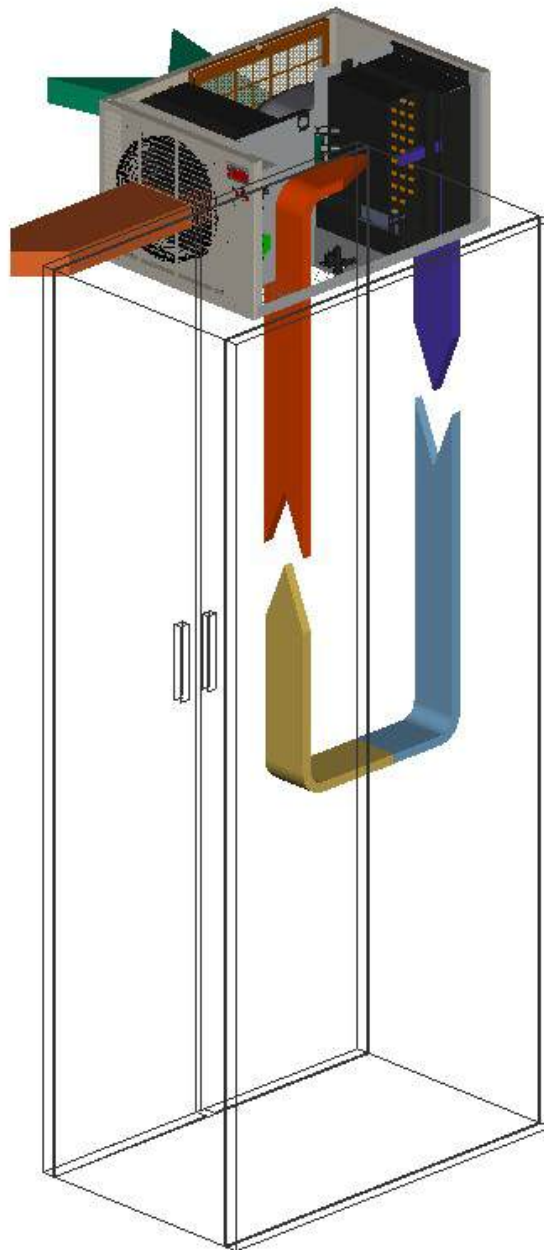
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VENTILATION FLOWS:

The exuberant ventilation ensures correct distribution of the temperature in the switchboard and prevents the formation of heat pockets

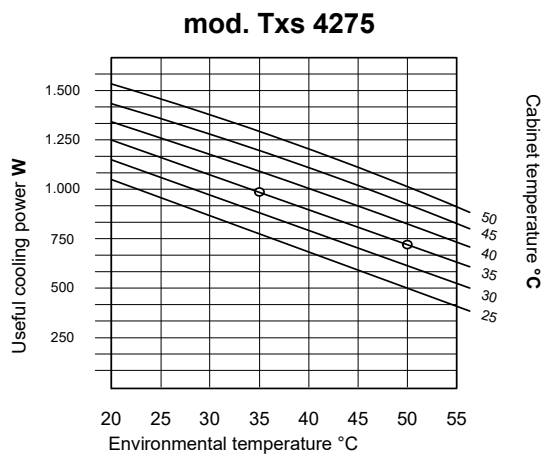
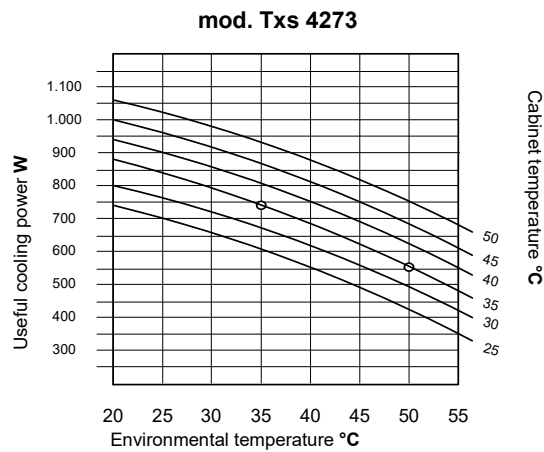
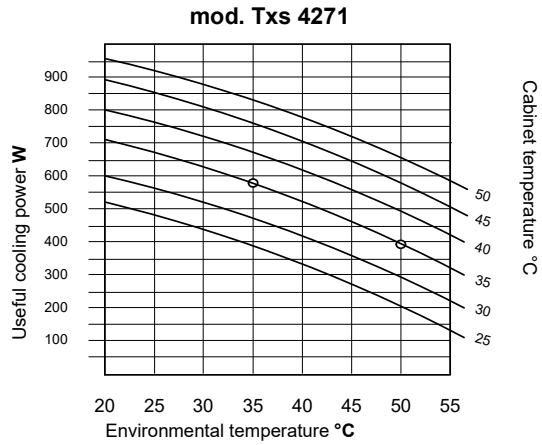
The automatic speed regulation of the condenser fan ensures the correct functioning of the unit in the different seasons and limits the dusting of the filters or the heat exchange batteries.

The inlet of the ambient air is equipped with a filtering septum in aluminum braiding to prevent dusting of the condenser



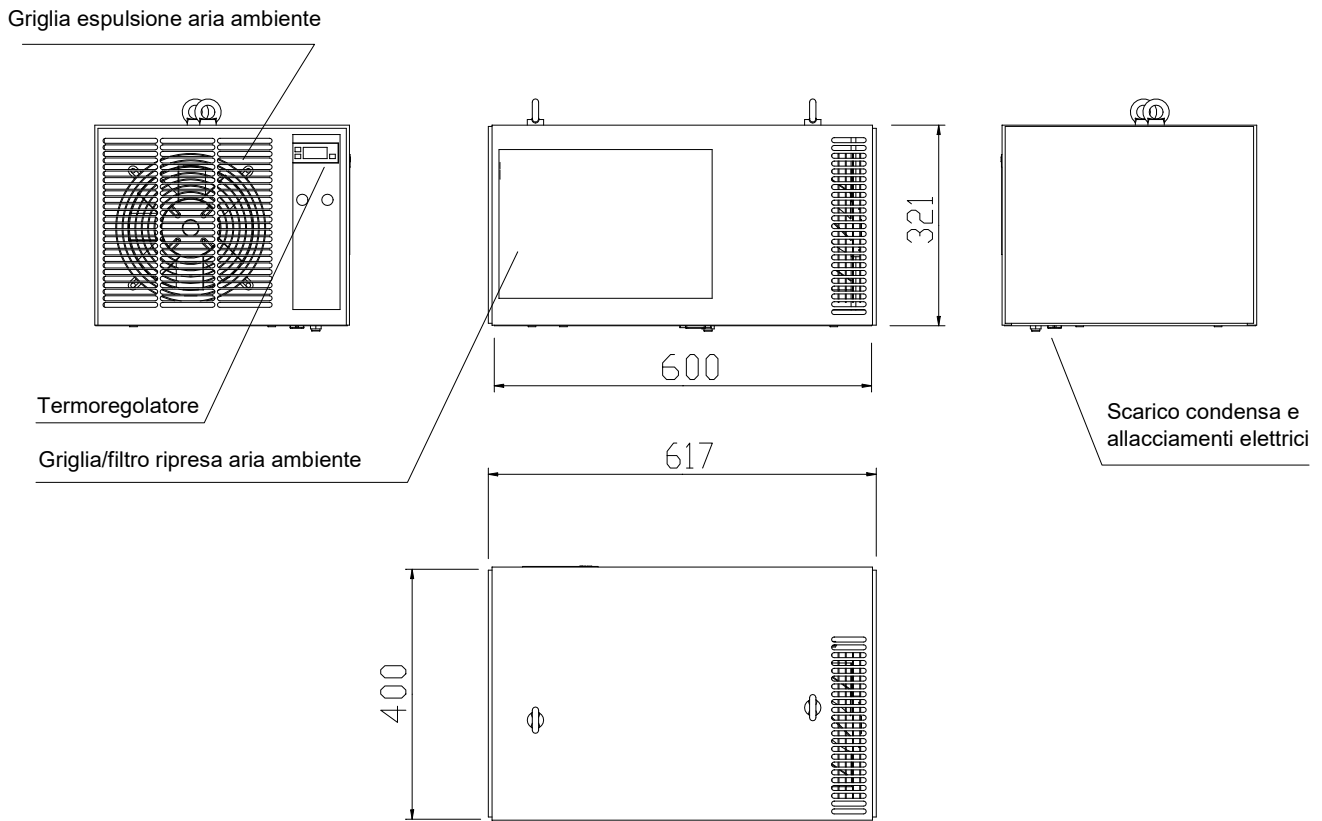
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REFRIGERATING POWER DIAGRAMS DIN 3168 (50 Hz)

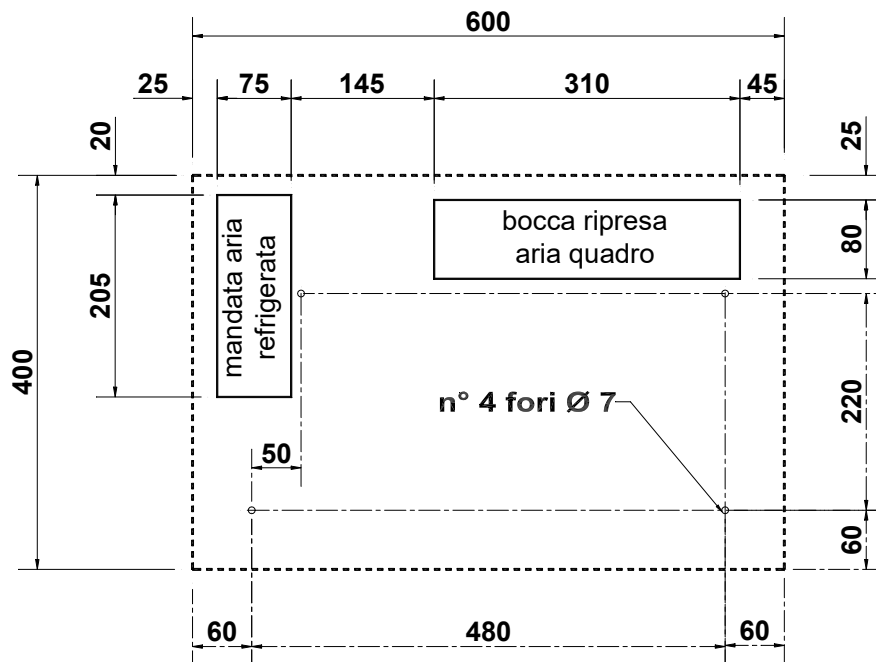


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OVERALL DIMENSIONS



DRILLING TEMPLATE



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STANDARD EQUIPMENT – VARIANTS – ACCESSORIES

STANDARD EQUIPMENT	
Installation, use, maintenance manual	Condensate drain kit, that consisting: <ul style="list-style-type: none"> • connection with hose connector • drain pipe with spring rings for fixing • check valve, prevents the return of ambient air through the drain piping • 90° quick coupling curve
Installation kit that consisting:	
<ul style="list-style-type: none"> • lifting eyebolts • trheaded studs, nuts, washers • IP sealing gasket 	
	4. Test certificated
	5. Warranty certificated

OPTIONAL EQUIPMENT	Item code
Pressure switch for high pressure alarm remote signal: dirty filter alarm, condenser fan blocked or faulty, ambient temperature above the allowed limit	PAF 208006
Dust-proof synthetic fiber septum for room air intake grid	050327
Polyurethane dust filter media for room air intake grid (STANDARD)	050322
Oil-filtering septum for room air intake grid	050121
Condensation water shelter bottle, 1 liter, complete with bracket and fixing screws	P0000201

CODE AND VARIANTS DESCRIPTION

SerieS	Model	Voltage V	Frequency Hz	Phases ~	Color	Kind of execution
Txs	4271 4573 4275	230 -- H 400 -- N	50-60 -- 3	Single-phase -- 1	Ral 7035 – 07 Ral 5015 – 05	Standard -- A

COMPLETE ORDER CODE

Txs	4273	H	3	1	07	A
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The condensate drain pipe remains adherent to the wall of the cabinet

