



IP65 - ODR series - models 4218 - 4225 - 4233



Available on request:

- with AISI304-2B stainless steel carpentry extension code _0X
- with AISI316-2B stainless steel carpentry extension code XX
- with heat exchangers with cataphoresis treatment for use in marine environments or in environments with aggressive atmospheres suffix code _CM.

Electrical variants: H31 = 230V 1ph 50-60Hz - N33 = 400/460V 3ph 50/60Hz

eg. code ODR4233N33000007 standard three-phase version painted textured RAL7035 carpentry

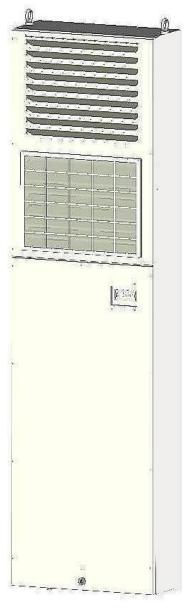
eg. code ODR4233H310X0X00 single-phase variant with unpainted AISI304 2B carpentry eg. code ODR4233N33XXXX00 three-phase variant with unpainted AISI316 2B carpentry

eg. code ODR4233H31<mark>0X0X _CM single-phase variant with unpainted AISI304 2B carpentry and exchangers</mark>

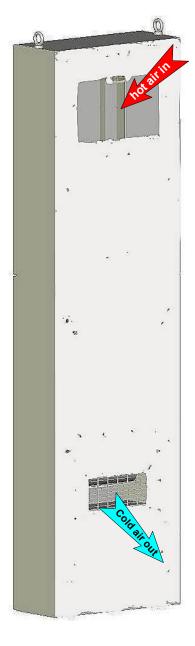
with protective cataphoresis treatment



Front view without air filter



Front view with basket and condenser air filter



Rear view

Device description

- Outdoor appliance: it allows maintaining the IP65 degree of protection between the air conditioner and the electrical panel (it must be fixed to the wall using all the screws provided for coupling and the gasket between the air conditioner and the panel must be accurately positioned and adequately compressed). If the cabinet wall deforms under the thrust of the gasket it will be necessary to reinforce it with suitable longitudinal members.
- It can be installed on the door or side wall, outside the switchgear or completely built-in (no specific accessories are required for completely built-in installation). To make a semi-recessed installation, 110 mm approx., it is necessary to use the subframe cod. PAI1041110xx (the xx extension defines the paint color)
- Supply voltage: 230V 50Hz AC single-phase or 400V 50Hz / 460V 60Hz AC three-phase
- A 9-pole Wago quick connector facilitates connection to the power supply and signal networks
- The cooling process is governed by a digital electronic microprocessor thermostat, with integrated alarm functions, faulty probe, incorrect connection, over range, open doors, etc.
- In the event of a dirty filter and/or condenser, or a faulty fan or an out-of-range ambient temperature, a pressure switch and a thermoregulator probe protect the refrigerant circuit both against overpressure and against overtemperature.
- To signal evaporator fan failure or loss of refrigerant fluid a pressure switch (optional) for low pressure control can be installed
- A voltage-free contact of the blocking relay allows the signal to be re-launched of alarm to the control PLC:
- relay always energized during normal operation, de-energized in the event of anomaly or breakdown of the relay itself. Remote signaling connection via the 9-pin Wago connector.
- The speed of the condenser fan is electronically regulated to adjust the air consumption to the actual needs of the system.
- R 134a refrigerant fluid without CFC.
- The condensate produced by the cooling process is collected in a tank placed on the floor
 of the air conditioner
 An automatic pump controlled by a level switch discharges the condensate outside,
 When, due to a blockage in the discharge line or a fault in the pump, the maximum
 admitted level is reached, a second level switch stops the cooling process and activates
 an alarm signal. The drain pump is itself a check valve and prevents outside ambient air
- Installation kit is supplyed complete with studs, washers, nuts, sealing gasket and lift eyebolts.

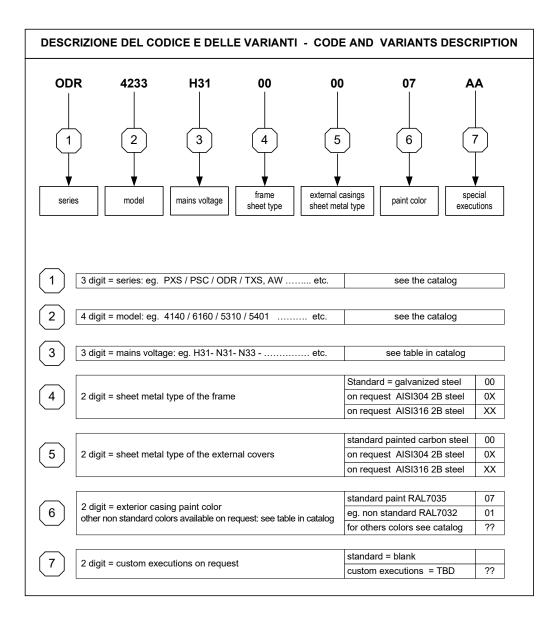
from being drawn into the internal cooling circuit of the cabinet via the drain line

TECHNICAL FEATURES 230V 1~ 50-60Hz

ITEM CODE	ODR	4218 H31	4225 H31	4233 H31	
USEFUL COOLING OUTPUT					
L35 - L35 (50/60) L35 - L50 (50/60)	W	1.800 / 1.850 1.420 / 1.560	2.500 / 2.680 2.000 / 2.180	3.300/ 3.450 2.480/ 2.660	
OPERATION FIELD					
ENVIRONMENTAL TEMPERATURE CABINET TEMPERATURE	°C	- 10 +55 +25 +45			
VOLTAGE	1 1				
RATED VOLTAGE	V / Hz		230V 50-60Hz 1~		
CURRENT	<u> </u>				
RATED CURRENT (FLA) (50/60) START UP CURRENT (LRA) (50/60)	A A	5,5/5,8 19/20,5	6,5/7,5 24/25	8.4/8,8 35/36	
POWER CONSUMPTION					
RATED L35 - L35 MAXIMUM L35 - L50	W	1.010 / 1.150 1.180 / 1.380	1.190 / 1.600 1.680 / 1.860	1.740 / 1.900 1.920 / 2.230	
REFRIGERANT	1				
TYPE FILLING ADMISSIBLE PRESSURE	R g. kPa	134a 640 2.400	134a 800 2.400	134a 810 2.400	
PROTECTION CATEGORY - EN 60529	=				
INTERNAL CIRCUIT EXTERNAL CIRCUIT	IP IP	65 44			
FAN FLOW FREE MOUTH					
INTERNAL CIRCUIT EXTERNAL CIRCUIT	mc/h mc/h	810 1.050			
NOISE LEVEL					
MAXIMUM	dB (A)	62	69		
NET WEIGHT	1 1				
ACCESSORIES EXCLUDED	Kg	84	88	92	
COLOR	,				
STANDARD	RAL	7035 (O	7035 (Other colors aviable on request)		
OVERALL DIMENSIONS					
WIDTH DEPTH (WITHOUT GRID) HEIGHT	mm. mm. mm.	500 220 1.800			
DUTY CYCLE	. '				
			100 %		
ADJUSTMENT BUILT-IN DIGITAL ELECTRONIC THERMOSTAT		Default factory s	ettings: set =35 °C –	Δt =5k	

TECHNICAL FEATURES 400/460V 3~ 50/60Hz

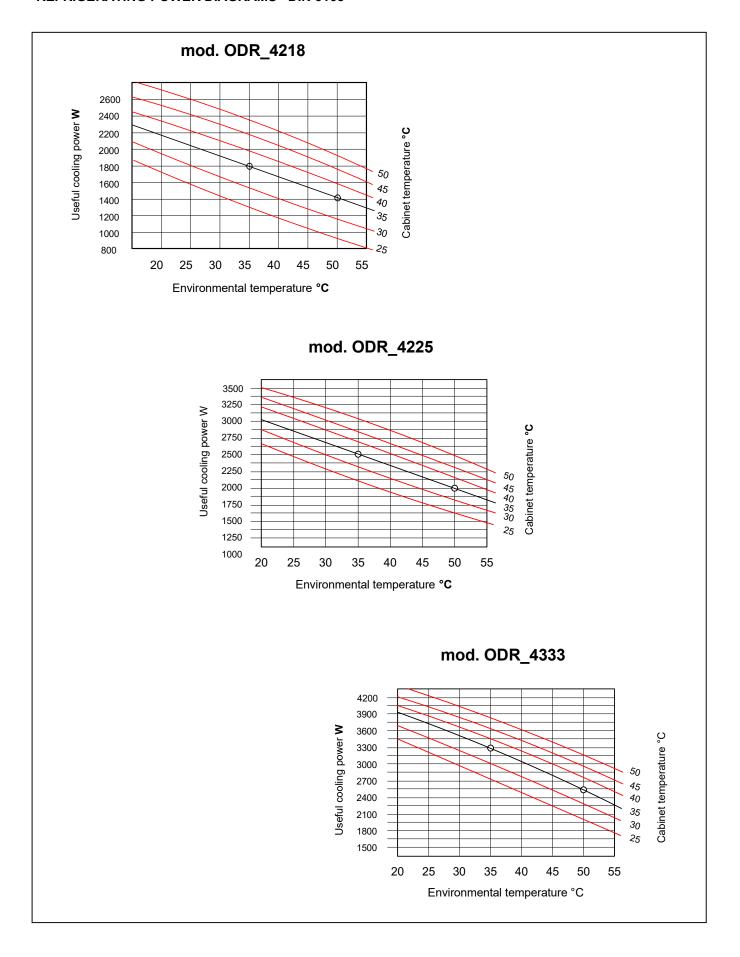
ITEM CODE	ODR	4218 N33	4225 N33	4233 N33	
USEFUL COOLING OUTPUT					
L35 - L35 (50/60) L35 - L50 (50/60)	W W	1.800 / 1.850 1.420 / 1.560	2.500 / 2.680 2.000/ 2.180	3.300/ 3.450 2.480/ 2.660	
OPERATION FIELD					
ENVIRONMENTAL TEMPERATURE CABINET TEMPERATURE	°C	- 10 +55 +25 +45			
VOLTAGE	, , , , , , , , , , , , , , , , , , , 				
RATED VOLTAGE	V / Hz	400	400/460V 50/ 60Hz 3 ~		
CURRENT					
RATED CURRENT (FLA 50/60) START UP CURRENT (LRA 50/60)	A A	2,2 / 2,3 9,4 / 9,8	2,6 / 2,8 13 / 15	3,2 / 3,4 13 / 15	
POTENZA ASSORBITA	, ,				
RATED L35 - L35 (50/60) MAXIMUM L35 - L50 (50/60)	W	1.010 / 1.150 1.180 / 1.380	1.190 / 1.600 1.680 / 1.860	1.740 / 1.900 1.920 / 2.230	
REFRIGERANT					
TYPE FILLING ADMISSIBLE PRESSURE	R g. kPa	134a 640 2.400	134a 800 2.400	134a 810 2.400	
PROTECTION CATEGORY - EN 60529					
INTERNAL CIRCUIT EXTERNAL CIRCUIT	IP IP	65 44			
FAN FLOW FREE MOUTH	<u> </u>				
INTERNAL CIRCUIT EXTERNAL CIRCUIT	mc/h mc/h	810 1.050	810 1.480		
NOISE LEVEL					
MAXIMUM	dB (A)	62	69		
NET WEIGHT					
ACESSORIES EXCLUDED	Kg	88	92	96	
COLOR					
STANDARD	RAL	7035 (Other colors aviable on request)			
OVERALL DIMENSIONS					
WIDTH DEPTH (WITHOUT GRID) HEIGHT	mm. mm. mm.	500 220 1.800			
DUTY CYCLE					
AD WICTMENT			100 %		
ADJUSTMENT BUILT-IN DIGITAL ELECTRONIC THERMOSTAT Default factory settings: set =35 °C – Δt =5k					



STANDARD EQUIPMENT				
Installation, use and maintenance manual	3. Condensate draing kit that consisting:			
2. Installation kit that consisting:	Elbow hose connector			
• trheaded studs, nuts, washers • drain pipe				
sealing gasket	4. Test certificated			
lifting eyebolts	5. Warranty certificated			

OPTIONAL EQUIPMENT	Item code	
Subframe for semi-recessed installation 110 mm. RAL7035 painted	PAI 104111007	
Optional accessory for signaling the cooling circuit low pressure alarm	PAF208009-1041	
Basket to containing the filters for the filtration of the condenser cooling ambient air RAL7035painted	104122D107	
Dust filter septum to filtering environ air of condenser cooling	050100-0415-0315-012	
Oil resistant filter septum in aluminium sock to fltering environ air of condenser cooling	050320-0415-0315-010	

REFRIGERATING POWER DIAGRAMS DIN 3168

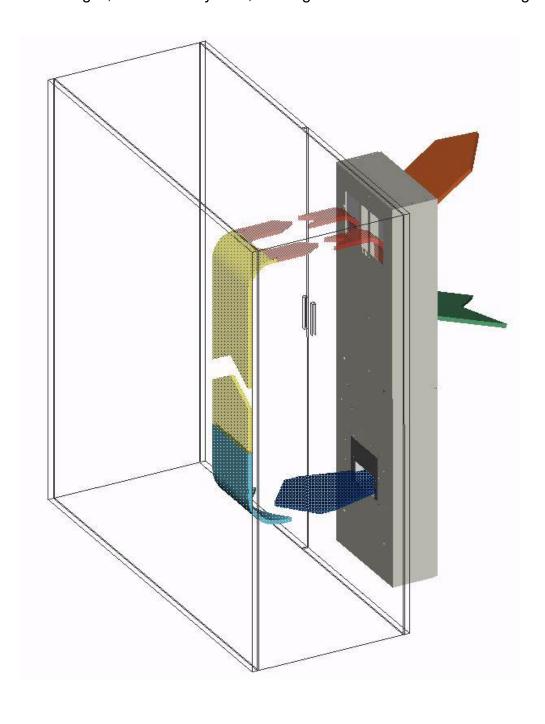


VENTILATION FLOWS:

The large distance between the panel's ventilation openings ensures uniform temperature distribution, preventing the formation of heat pockets.

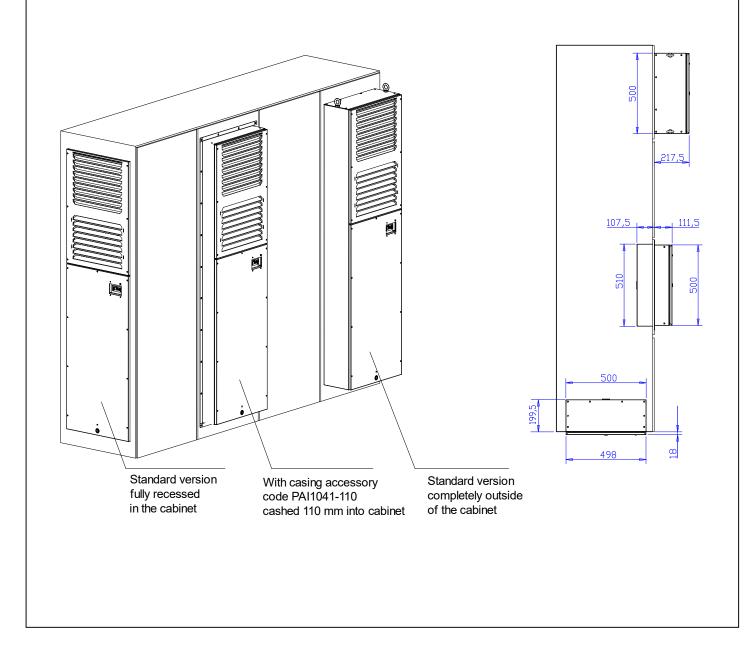
The flow of air expelled from the condenser, directed upwards, does not disturb the personnel working near the equipment.

The room air intake grill, removable by click, is designed to accommodate a filtering septum

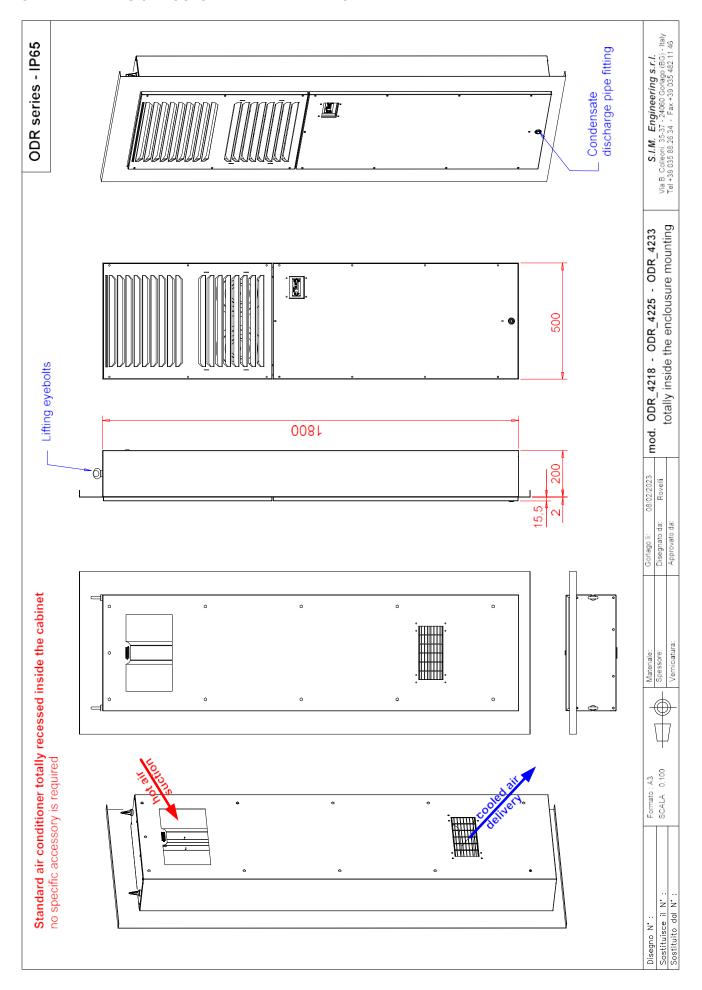


OVERALL DIMENSIONS ACCORDING TO THE TYPE OF INSTALLATION:

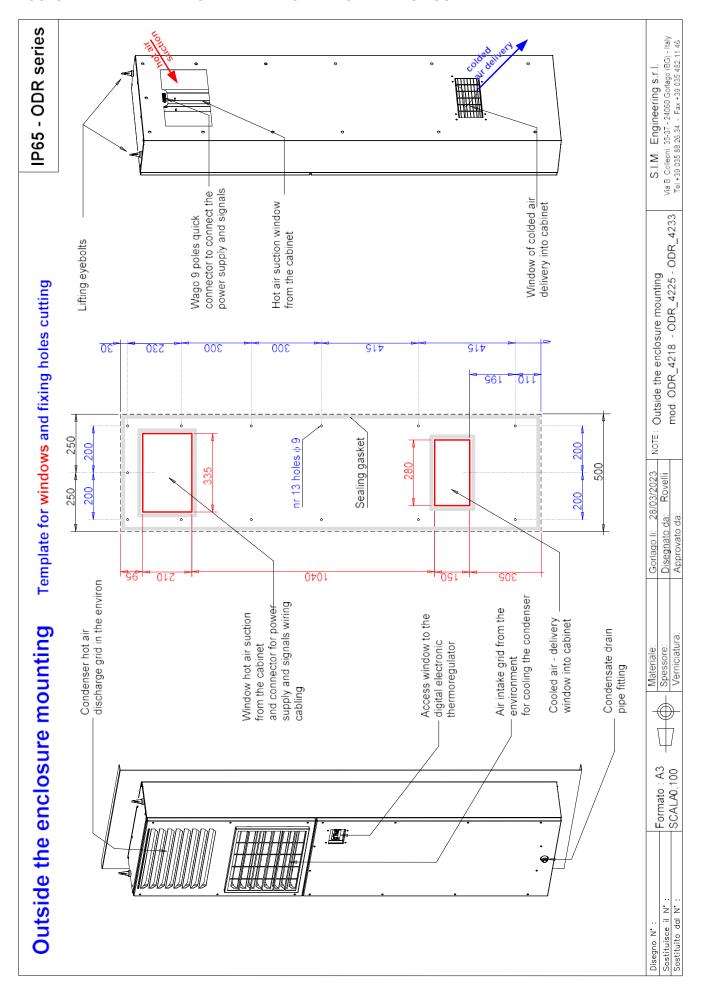
Installation	External	Internal
STANDARD - TOTALLY OUTSIDE THE CABINET	220	
STANDARD TOTALLY RECESSED IN THE CABINET	20	200
OPTIONAL SEMIRECESSED WITH CARTER PAI 4233-100	112	108



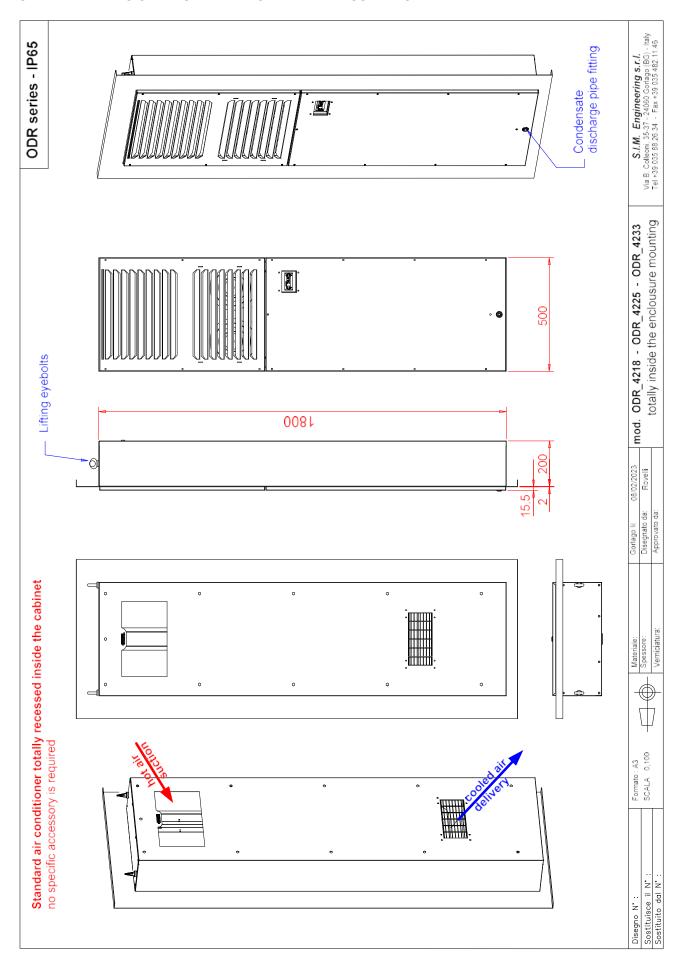
STANDARD VERSION - OUTSIDE THE CABINET INSTALLED



OUTSIDE THE CABINET INSTALLED DESCRIPTION AND CUT-OUT TEMPLATE



STANDARD VERSION - INSTALLED TOTALLY RECESSED INSIDE THE CABINET



STANDARD VERSION - INSTALLED TOTALLY INSIDE THE CABINET DESCRIPTION AND CUT-OUT TEMPLATE

