

WIND SERIES WITH AIR THERMOSTAT: 300-800W

The heaters of the WIND series are made from Aluminum to maximize heat transfer and utilize PTC in the heating process.

Fan operated to improve heat transfer in the enclosure

PTC thermistors are designed to maintain their temperature, keeping heaters constantly stable.

Below what makes exclusive the characteristics of the WIND series heaters:

- All heaters are equipped by proper AIR thermostat (either fixed or adjustable)
- Identical power supply both for PTC and fan operated unit: 110 - to 230 V ac-dc.
- Safety Touch technology ensures a limited surface temperature (max 50°C in all operative conditions) making it safe to the touch.

On request heaters can be equipped with:

- 1 NC auxiliary contact to monitor the proper operation of the unit.
- Led signal lamps

The heaters are equipped with spring-loaded terminals for quick connection.

All the heaters are designed according to IEC EN 60335-1 standard and applicable for industrial use only.



TECHNICAL DATA

Heating power	300 - 800W
Voltage supply	110 - 230 Vac-dc
Voltage insulation	2000V * (50Hz, 1 min)
Heating element	PTC
Heat sink / Plastics material	Al 6061 / UL94 V0
Axial Fan	Ball bearing - high flow rate
Flow rate / duration	73 m3/h - 50.000 h
Protection class	I - IEC 60335-1
Protection degree	IP20
Max surface temperature	<50 °C**
Operating temperature	-10 +60 °C
Storage temperature	-20 +70 °C
Max wire section	2.5 mm ²
Mounting	35mm DIN rail

* 2500V available on request

** in all operative conditions

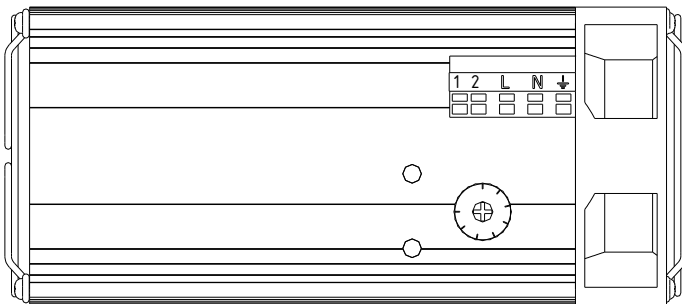
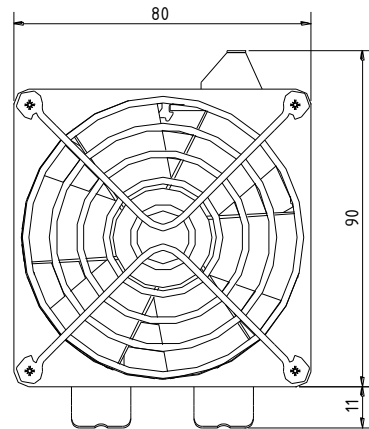
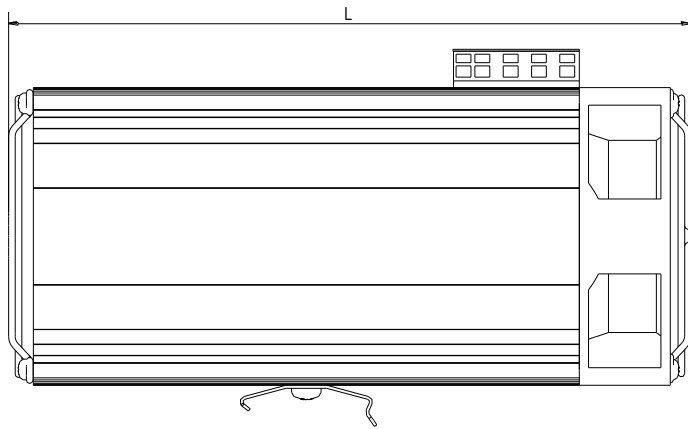
Aux contact (optional)	1NC
Max switch current / cycles	5A / 6.000
Signaling leds (optional)	Main status, thermostat status

MODELS

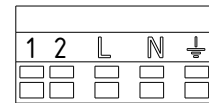
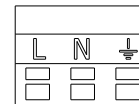
Type	u.m.	W3300	W3300A	W3450	W3450A	W3600	W3600A	W3800	W3800A
Heating	W	300	300	450	450	600	600	800	800
Dimensions LxHxD	mm	150x80x91	150x80x91	150x80x91	150x80x91	150x80x91	150x80x91	180x80x91	180x80x91
Thermostat / Set point		Fixed	Adjustable	Fixed	Adjustable	Fixed	Adjustable	Fixed	Adjustable
T Set point	°C	25, 40°C	5-40°C	25, 40°C	5-40°C	25, 40°C	5-40°C	25, 40°C	5-40°C
Weight	kg	0,7	0,75	0,75	0,8	0,9	0,95	1,2	1,25
In rush current	A	7,0-9,0	7,0-9,0	8,0-10,0	8,0-10,0	9,0-12,0	9,0-12,0	9,0-12,0	9,0-12,0
Protection fuse	A	6	6	6	6	10	10	10	10

On request: W3301, W3451 - 230Vac voltage supply

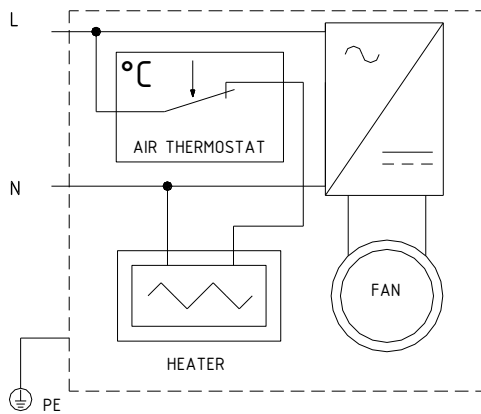
DRAWINGS



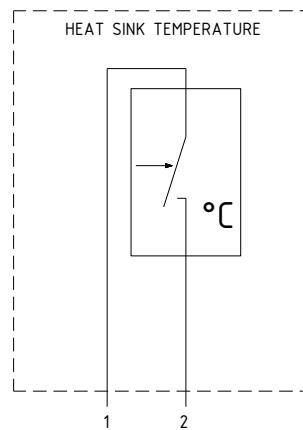
TERMINAL BLOCKS



ELECTRICAL CIRCUIT



AUXILIARY CONTACT



EXPERT'S TIPS

- Place the heater in the lower part of the enclosure, to favor the thermal convection.
- Keep a safe distance of at least 150mm between the heater and electrical devices.
- Visually check that the heater is not closed in a niche or obstructed by other components, in order to uniformly distributed the heat.
- Avoid any possible contact between the heater and wiring cables.