

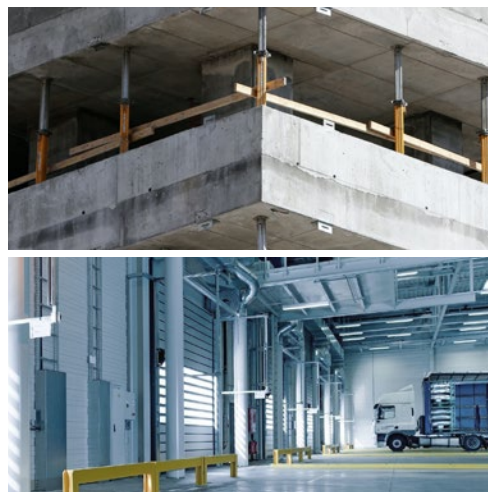
Fan Heaters Catalogue





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INTRODUCTION

During the winter, builders, industrial workers or construction workers have to continue their work activities, even in the coldest countries. Workers can be more efficient if they are in an environment with comfortable temperatures. Sometimes, when a central heating system is not possible, a fan heater is the perfect alternative.



Airtècnics has several models of industrial fan heaters for those users who are in very demanding conditions. There are three models available: wall-mounted, ceiling-mounted and portable, ideal for use in any location.

Our fan heaters are compact and robust devices, provided with a water coil and, soon, also available with electric resistance. All the devices have a great heating capacity even in the most extreme environments in a fast and efficient way. The device is energy efficient thanks to the EC fan. The design of the fan heaters is elegant and simple. As standard, they are supplied in white, but on request, the galvanised steel sheet can be customised with any colour from the RAL chart.



APPLICATIONS



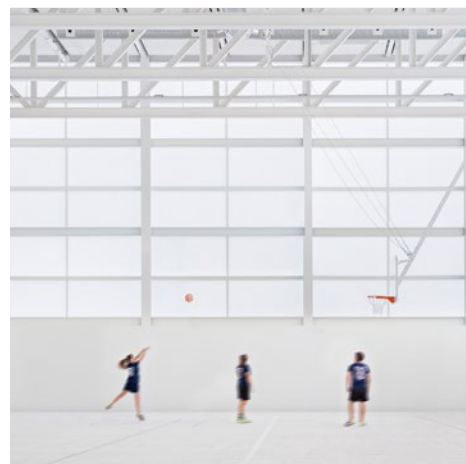
Industrial premises



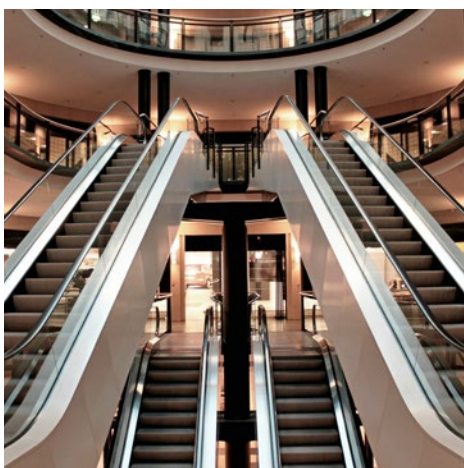
Logistics and distribution plants



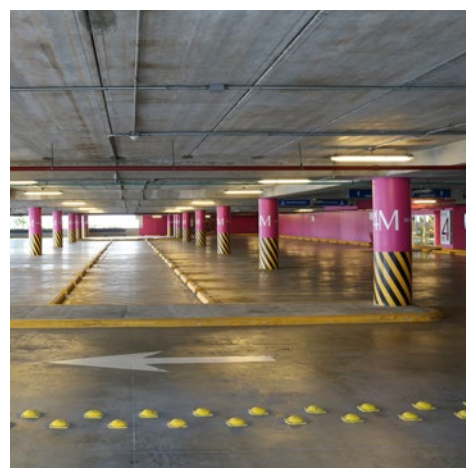
Construction



Sport facilities



Shopping centers



Parking lots



Basic Fan Heater

Versatile and robust wall-mounted unit ideal for large industrial or commercial spaces.

Technical features

Compact and functional fan heater designed for heating large spaces such as industrial buildings, factories, warehouses, workshops or venues

Galvanised sheet steel frame, with epoxy-polyester RAL 9016 structural finish as standard. Other colours or customisation (logos and vinyls) available on request.

Directional diffuser by means of steel slats adjustable from 0 to 70°.

Wall or ceiling mounting with accessories.

Axial fans with 2 ventilation levels (depending on model) with high efficiency and low noise level, with external rotor motor, single-phase 230V/50Hz and, optionally, three-phase model 400V/50Hz.

Water coil with 2 or 3 row 2x½" male connectors (P86/P64) allowing different working ranges 80/60 and 60/40 as standard. Enclosure class IP20-54. Other working ranges can be calculated on request.

Different control options to fulfill any customer request: 5 ventilation speed, manual or automatic functioning, remote control, with telephone cable and fast connectors (Plug and Play), interface to connect to BMS, etc.





Unit	Airflow (m³/h)	Air range (m)	Heating power (kW)(*)	W. pressure drop(Pa)(*)	Fan power (230V)(W)	Fan intensity (230V)(A)	Weight (Kg)	Noise level (at 5m)(dBA)(**)
BAS 350 P86	2500	8,5	14,01	4220	150	0,71	25	45 / 58
BAS 350 P64	2300	8,5	11,13	4540	150	0,71	25	45 / 58
BAS 450 P86	4500	12	24,38	15720	340	1,48	28	46 / 59
BAS 450 P64	3700	12	17,46	4770	340	1,48	28	46 / 59
BAS EC 350 P86	2800	8,5	14,47	4750	170	0,83	25,5	46 / 59
BAS EC 350 P64	2600	8,5	12,01	5200	170	0,83	25,5	46 / 59
BAS EC 450 P86	4750	12	24,34	16870	440	2,08	28,5	47 / 60
BAS EC 450 P64	4000	12	18,34	5190	440	2,08	28,5	47 / 60

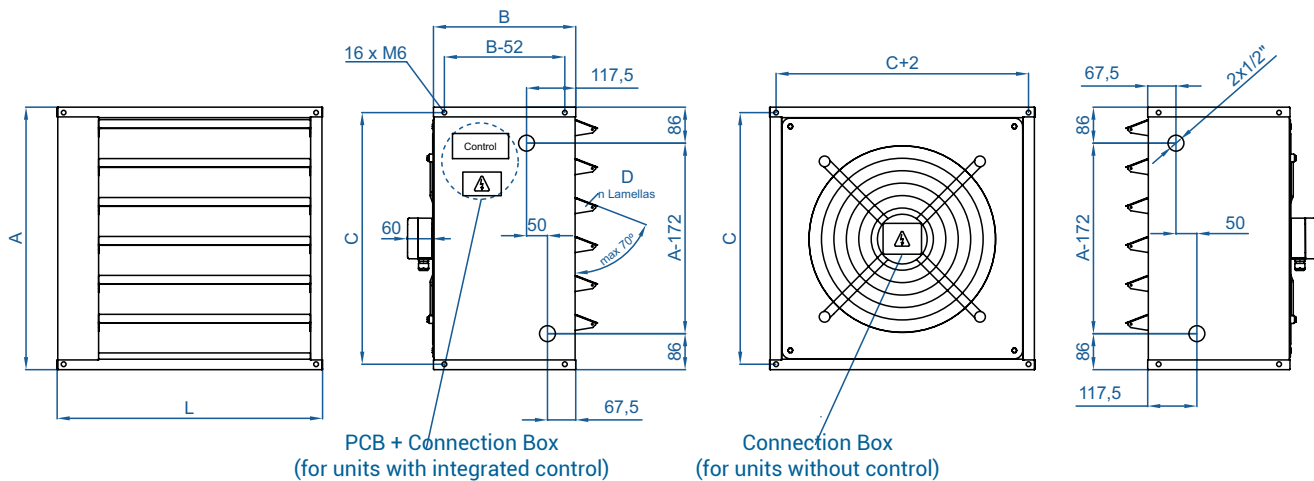
(*) Calculation made with 15°C in the air inlet and 80-60°C / 60-40°C in the fluid temperature.

Maximum water temperature 100°C at 18 bar.

Water volume inside coil: 1,0 L (BAS 350 P86), 1,5 L (BAS 350 P64), 1,5 L (BAS 450 P86), 2,3 L (BAS 450 P64).

(**) Noise level corresponding to: 50% / 100% of air flow rate.

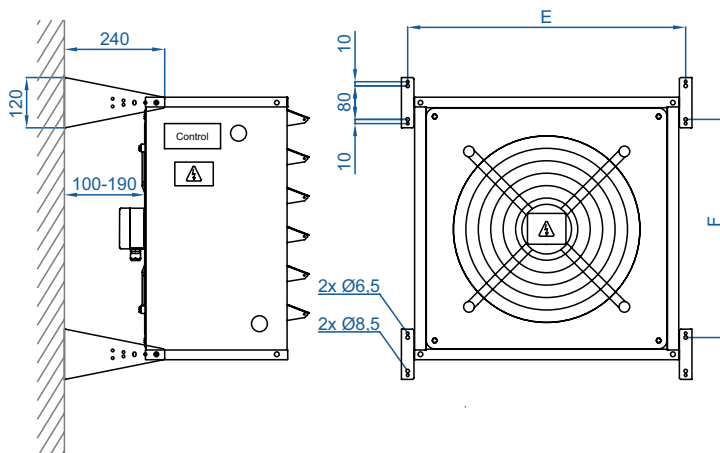
Dimensions



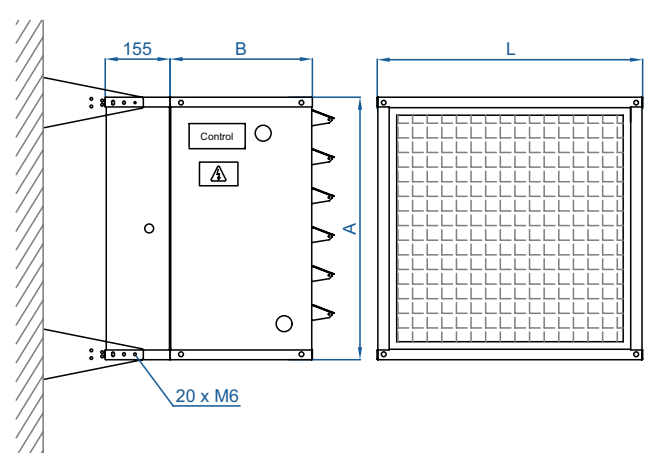
	L	A	B	C	D (N° Lamellas)	E	F
Basic Fan Heater 350	544	537	330	511	5	518	431
Basic Fan Heater 450	634	627	340	601	6	611	521

Accessories

Filter housing



Wall support installation



Control

This model of fan heater can operate without control or with integrated control. Optionally can be managed by Clever Control.



*Basic Fan Heater
without control*



*Basic Fan Heater
with integrated control*



Advanced PRO
5 speeds
standard control



Clever
Clever control
(optional)

Accessories

Support

The wall mounting bracket can be supplied with multiple tilt positions.



0 degrees of tilt



5 degrees of tilt



10 degrees of tilt

Filter

Filters can be added, depending on the requirements, with the filters case tailor-made for each model.





Horizontal Fan Heater

Industrial or commercial fan heater for ceiling mounting or recessed in false ceilings. Air-conditioning in large, open-plan spaces is easily achieved.

Technical features

Sturdy and functional fan heater designed for heating large spaces such as industrial buildings, factories, warehouses, sports facilities, shops, parkings or venues.

Galvanised sheet steel frame, with epoxy-polyester RAL 9016 structural finish as standard. Other colours or customisation (logos and vinyls) available on request.

Supplied with round diffuser for large jet. Different tube heights to focus the air and meet client requirements

Mounted directly to the ceiling thanks to omega supports.

Axial fans with 2 ventilation levels (depending on model) with high efficiency and low noise level, with external rotor motor, single-phase 230V/50Hz and, optionally, three-phase model 400V/50Hz.

Water coil with 2 or 3 row 2x $\frac{3}{4}$ " male connectors (P86/P64) allowing different working ranges 80/60 and 60/40 as standard. Other working ranges can be calculated on request.

Different control options to fulfill any customer request: 5 ventilation speed, manual or automatic functioning, remote control, with telephone cable and fast connectors (Plug and Play), interface to connect to BMS, etc.





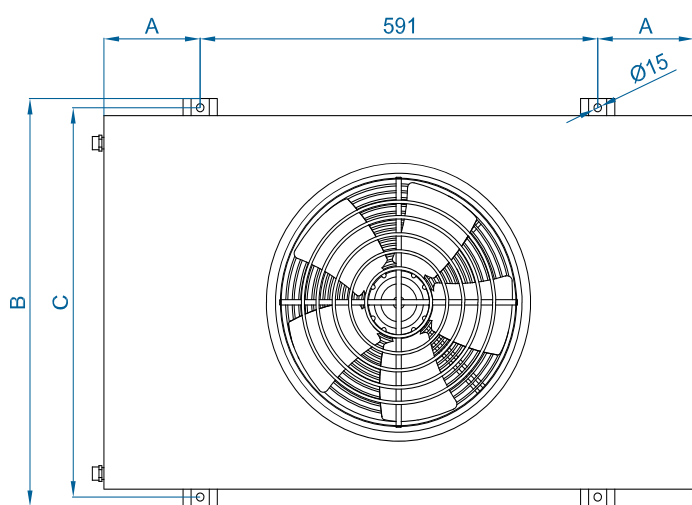
Unit	Airflow (m³/h)	Air range (m)	Heating power (kW)(*)	W. pressure drop(Pa)(*)	Fan power (230V)(W)	Fan intensity (230V)(A)	Weight (Kg)	Noise level (at 5m)(dBA)(**)
HOR 350 P86	2200	5/9	14,70	990	150	0,71	33,5	39 / 58
HOR 350 P64	2200	5/9	12,30	1220	150	0,71	33,5	39 / 58
HOR 450 P86	4200	7/11	31,13	5320	300	1,33	56	50 / 63
HOR 450 P64	4000	7/11	25,94	13360	300	1,33	56	50 / 63
HOR EC 350 P86	2450	5/9	15,73	1110	170	0,83	33,5	40 / 59
HOR EC 350 P64	2450	5/9	13,23	1390	170	0,83	33,5	40 / 59
HOR EC 450 P86	5250	7/11	35,82	6830	422	1,82	56,5	55 / 68
HOR EC 450 P64	5000	7/11	30,10	17390	422	1,82	56,5	55 / 68

(*) Calculation made with 15°C in the air inlet and 80-60°C / 60-40°C in the fluid temperature.

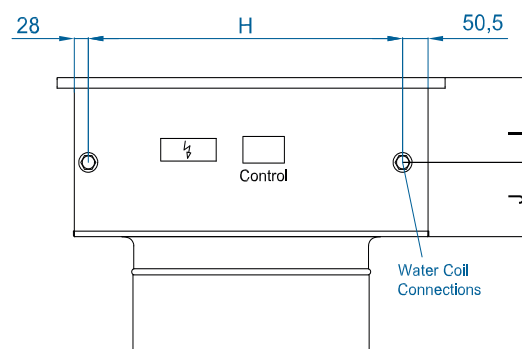
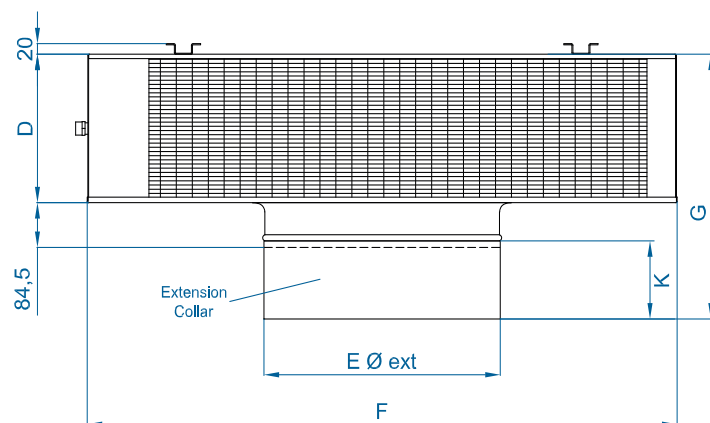
(**) Noise level corresponding to: 50% / 100% of air flow rate.

Dimensions

The unit has compact dimensions, ideal for ceiling or false ceiling installation. Diffuser duct available in two lengths.



	HOR 350	HOR 450
A	191,5	400
B	672	772
C	637	737
D	181	281
E	364	464
F	974	1174
G (Diffuser duct 150)	401	501
G (Diffuser duct 300)	553	653
H	525,5	625,5
I	111	161
J	140	140
K (Diffuser duct 150)	148	148
K (Diffuser duct 300)	300	300



Control

This model of fan heater can operate without control or with integrated control. Optionally can be regulated by Clever Control.



*Horizontal Fan Heater
without control*



*Horizontal Fan Heater
with integrated control*



Advanced PRO
5 speeds
standard control



Clever
Clever control
(optional)

Accessories

Diffuser duct

Two types of diffuser ducts can be supplied depending on the height of the installation.

Range: 5/7 m



Range: 9/11 m



Diffuser ducts

IP54 protection

It is also possible to equip the regulation and connections with IP54 protection.



IP54 regulation and connections



Portable Fan Heater

Water heated

The industrial fan heater that can be moved wherever the user needs it. Model designed with wheels and handle.

Technical features

Robust and functional fan heater specially designed to warm buildings under construction, factories, sports facilities, car parks or fairgrounds of an area of approximately 450 m².

Galvanised sheet steel frame, with epoxy-polyester RAL 9016 structural finish as standard. Other colours or customisation (logos and vinyls) available on request.

Manufactured with 3 galvanised steel diffusers to direct the hot air in 3 different directions.
Optional: polyester fabric diffuser to maximise air outlets and radial heating of the environment.

It has wheels that facilitates to change its location easily according to the need of the user.

High efficiency radial back blade fan with 0-100% electronically adjustable EC motor via 0-10V.

Water coil with 2 or 3 row 2x½" male connectors (P85) allowing different working ranges 80/50 as standard. Other working ranges can be calculated on request.

With 3m schucko type cable to power the equipment with 230Vx1 single-phase current.

It includes a power ON/OFF cut-off switch and a 0-100% potentiometer to regulate fan speed. Both are integrated into the structure of the equipment.





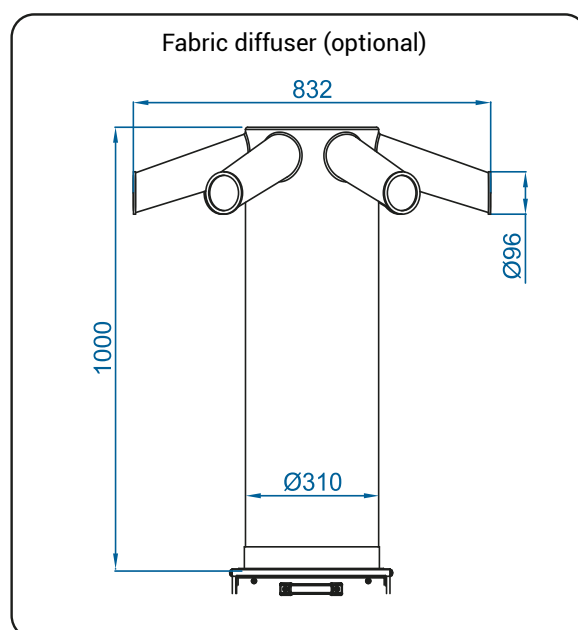
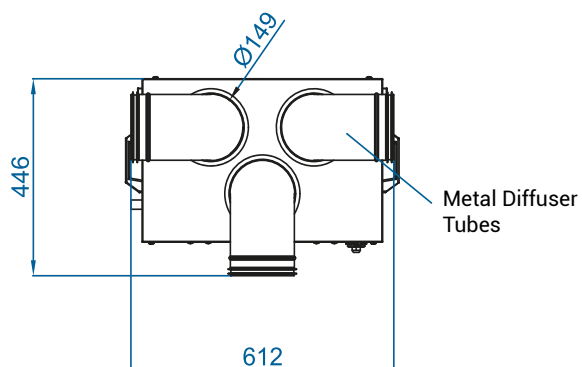
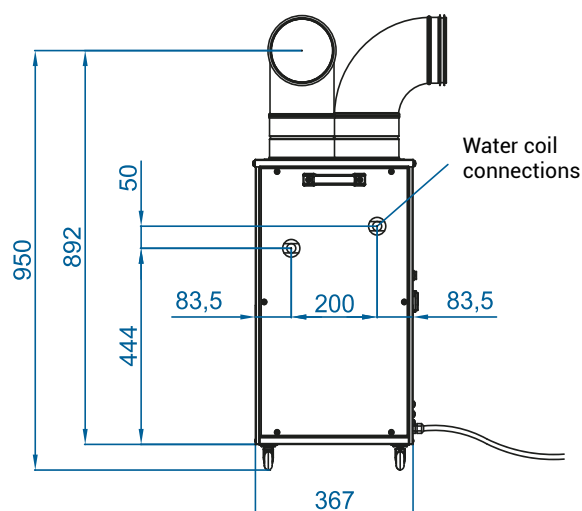
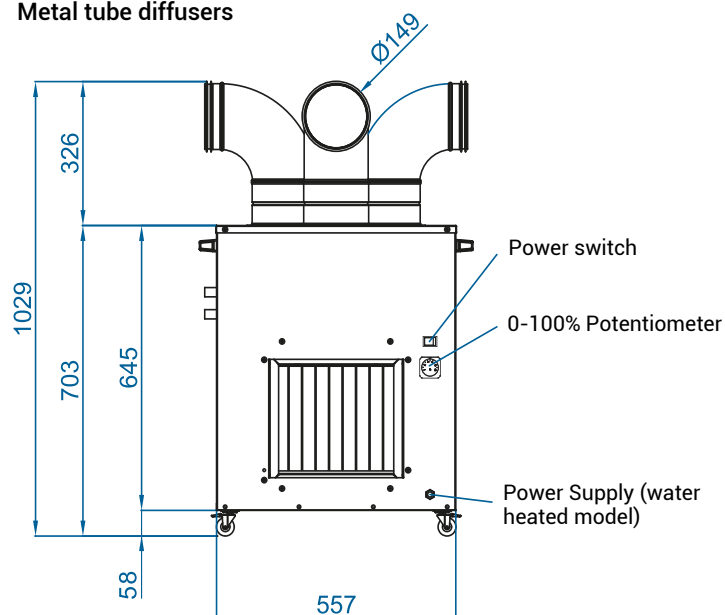
Unit	Airflow (m³/h)	Heating power (kW)(*)	Fan power (230V)(W)	Fan intensity (230V)(A)	Weight (Kg)	Noise level (at 5m)(dBA)(**)
FHP22 P85	1580	22,49	93,7	0,74	38	49 / 60

(*) Calculation made with 15°C in the air inlet and 80-50°C in the fluid temperature.

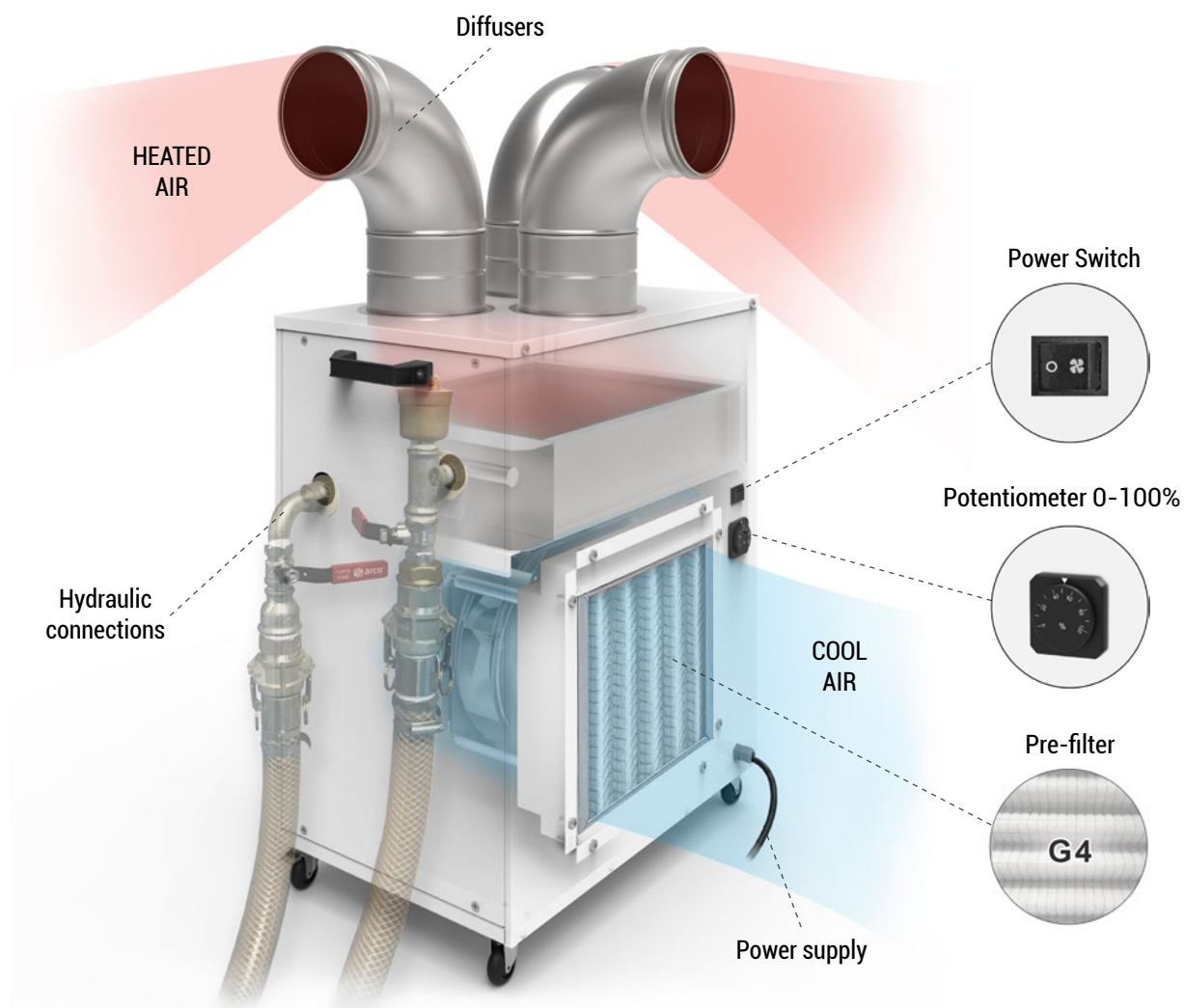
(**) Noise level corresponding to: 50% / 100% of air flow rate.

Dimensions

Metal tube diffusers



Functioning



Accessories

We can offer the diffuser in polyester fabric to maximize the hot air outcoming and we also provide valves according to customer requirements.



Polyester fabric diffuser



Representative picture, different models may work (only for model with water heating)

Ball Valve

Portable Fan Heater

Electrical heated

The industrial fan heater that can be moved wherever the user needs it. Model designed with wheels and handle.



Technical features

Robust and functional fan heater specially designed to warm buildings under construction, factories, sports facilities, car parks or fairgrounds of an area of approximately 450 m².

Galvanised sheet steel frame, with epoxy-polyester RAL 9016 structural finish as standard. Other colours or customisation (logos and vinyls) available on request.

Manufactured with 3 galvanised steel diffusers to direct the hot air in 3 different directions.
Optional: polyester fabric diffuser to maximise air outlets and radial heating of the environment.

It has wheels that facilitates to change its location easily according to the need of the user.

Radial back blade fan with external rotor motor. 2-speed selector.

Incorporates electrical shielded elements with two stages and regulation included.

Incorporates a regulator with remote control. Optional: Thermostat for temperature regulation.





Unit	Airflow (m ³ /h)	Heating power (kW)	Fan power (230V)(W)	Fan intensity (230V)(A)	Weight (Kg)	Noise level (at 5m)(dBA)(*)
FHP9 E	1250	6 / 9	178	0,79	39	48/59

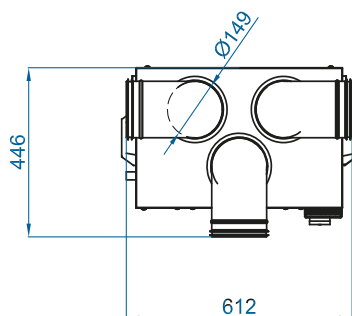
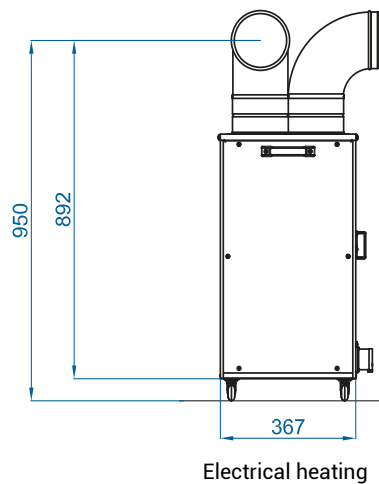
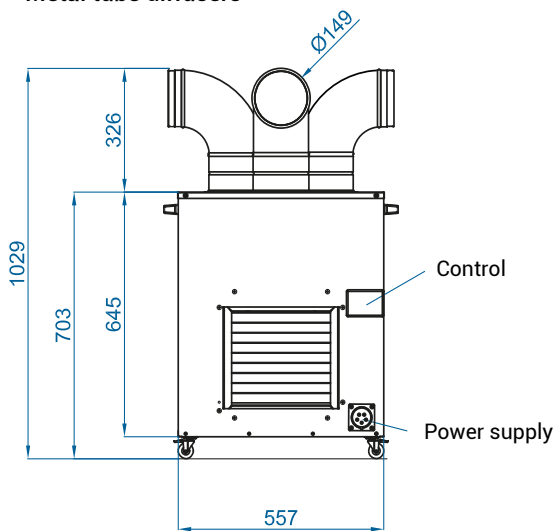
(*) Noise level corresponding to: 50% / 100% of air flow rate.

(**) ΔT : 1st speed at 50% has a temperature difference of 25°C / 36°C.

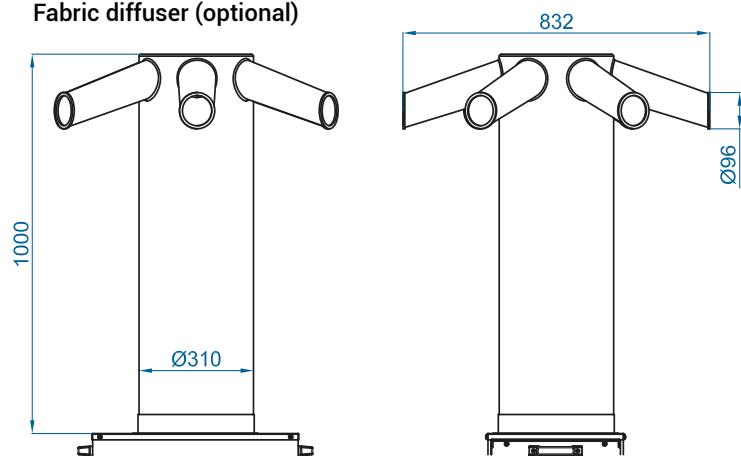
(**) ΔT : 2nd speed at 100% has a temperature difference of 16°C / 25°C.

Dimensions

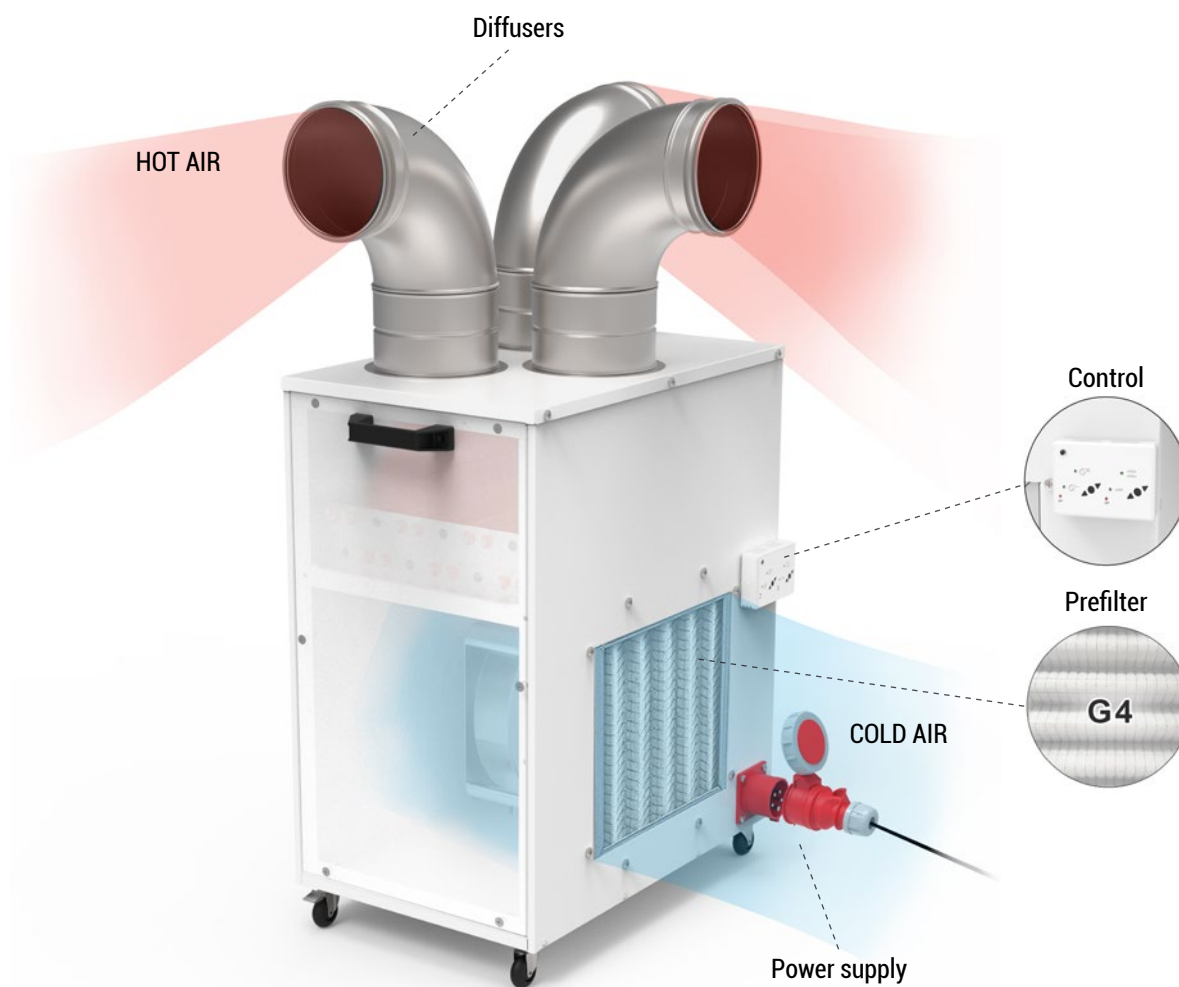
Metal tube diffusers



Fabric diffuser (optional)



Functioning



Accessories

We can offer the diffuser in polyester fabric to maximize the hot air outcoming and the thermostat for temperature regulation.



Fabric Diffuser



Thermostat





Logos and vinyls



RAL chart



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