

ApenGroup



IDRA
Duct Fan Heaters

ApenGroup[®]
aermaxline

IDRA / Duct Fan Heaters

TECNICAL FEATURES

- Structural extruded aluminum frame 40x40 mm.
- Double-sheet panels 25 mm. thick with mineral wool insulation.
- Section for fresh/recirculation air mixing.
- High-efficiency and direct-current plug fans with high efficiency and integrated inverter controllable with 0-10V signal.
- Coils with high thermal-exchange surface for optimal working with 70°C water.
- 4-ranks coils to grant excellent cooling.
- Temperature probe for coil return water control.
- Supply: 400V three-phase 50Hz.
- IP54 protection.
- Available models: 34kW and 70kW.
- Wide range of accessories to customize the product according to the needs.



High-Efficiency Plug Fans

IDRA is equipped with high-efficiency plug fans working with direct current and high-efficiency motor with electronic control of ventilation speed.

Ducted Fan Heaters

Vertical or horizontal installation.

Cooling and warming function thanks to hot/cool water coils.



Wide Regulation Range

The plug fans allow a wide regulation range of air flow and available pressure. A common potentiometer adjusts aeraulic performances and allows to reduce heater's electrical consumption.



High-Efficiency Plug Fan

- High-efficiency and direct-current plug fans.
- High-efficiency motor coupled with blades.
- Inverter integrated into the motor
- No mechanical transmission between motor and fan.
- Electronic control of fan speed.

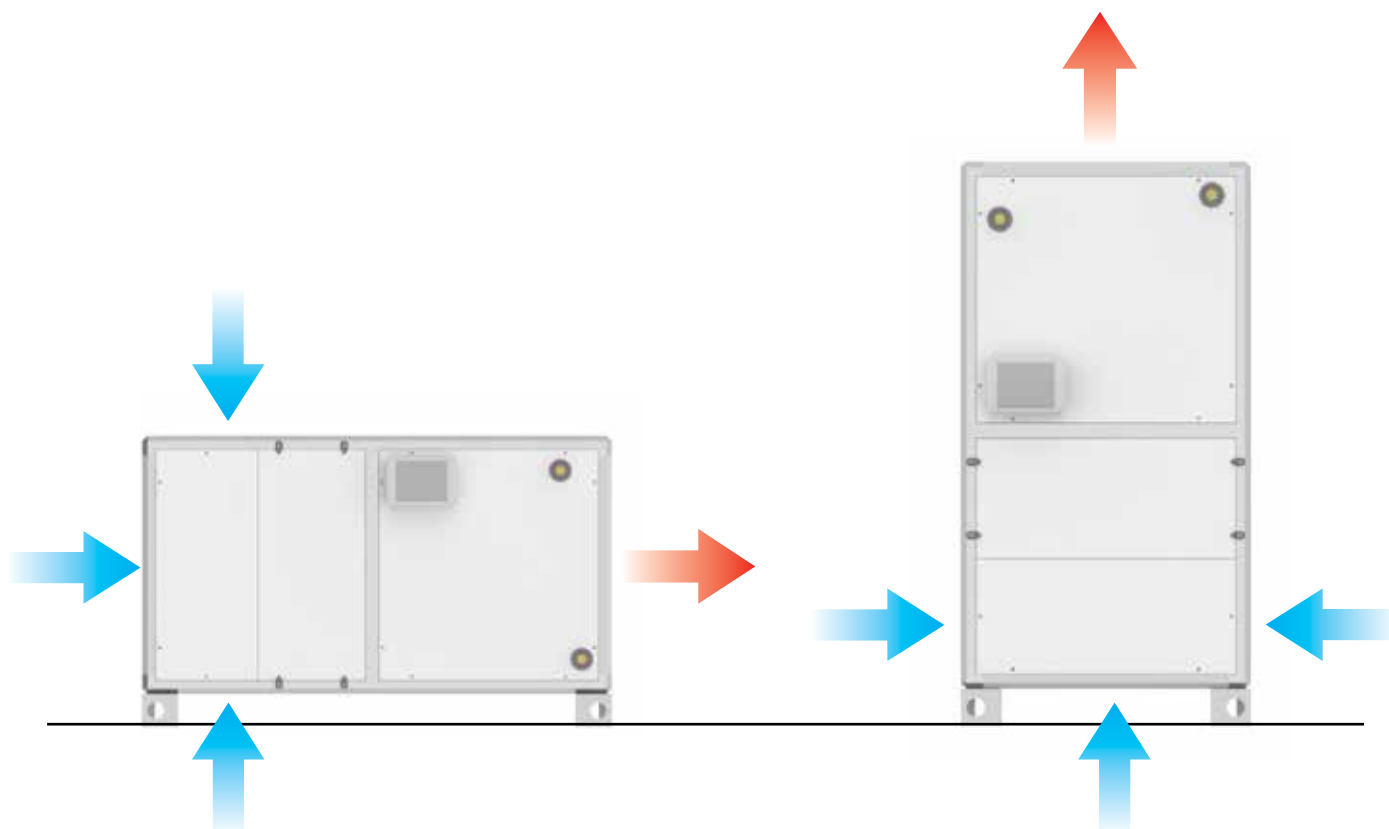
Optional accessories

- Pleated filters 98 mm. thick, efficiency G3.
- Pleated pre-filter 98 mm. thick, efficiency G3; rigid bag filters efficiency F7.
- Motorized dumpers for air flow control.
- Remote control box with potentiometer for regulation of flow and Summer/O/Winter switch.
- Room thermostat with output signal 0-10V for fan speed control.
- Basin for working with cooled water (only horizontal version).

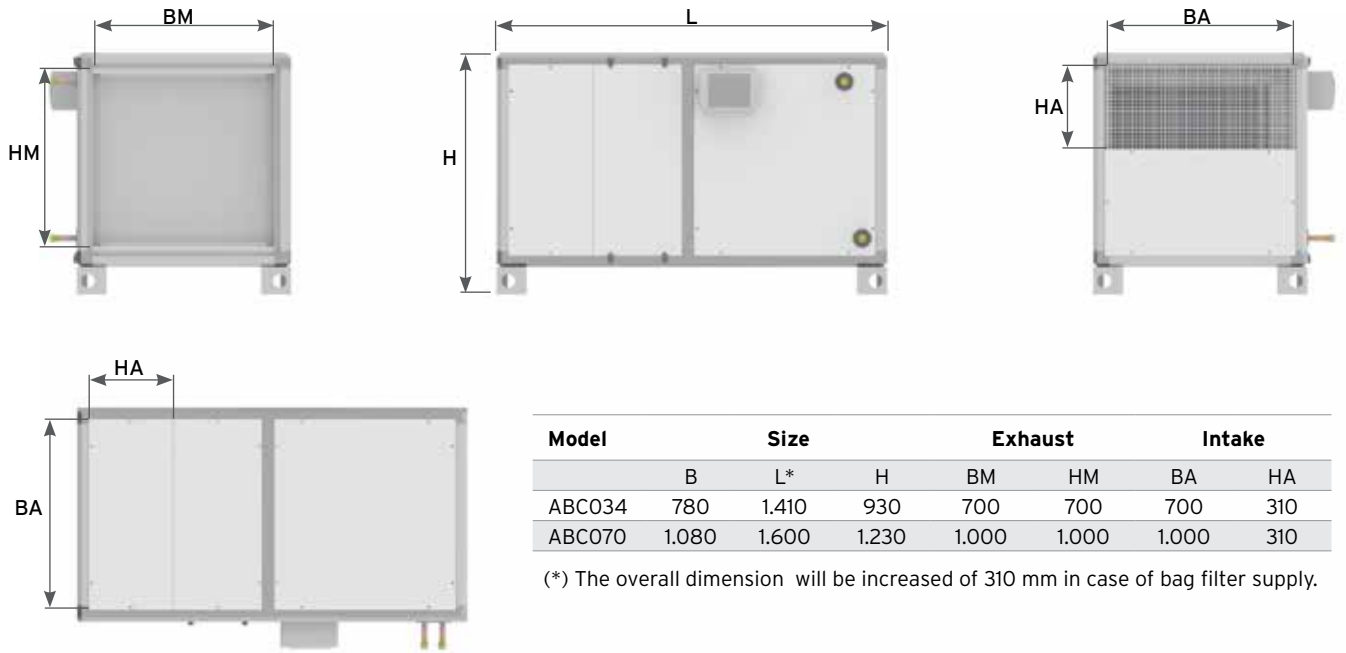
Standard accessories

Control box with:

- Main switch.
- Switches for 0-10V regulation of fan.
- Remote ON/OFF switch.
- Remote SUMMER/WINTER switch.



IDRA / Dimensions

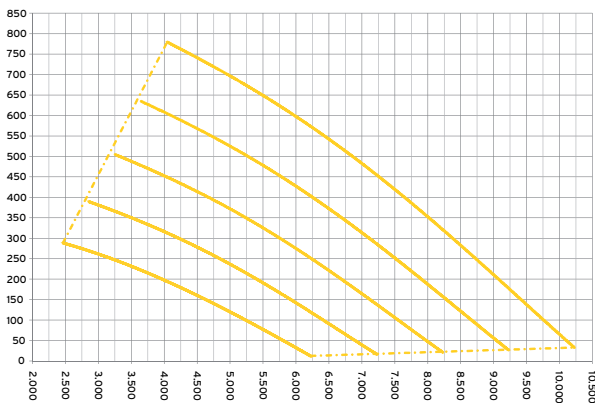


Model	Size			Exhaust		Intake	
	B	L*	H	BM	HM	BA	HA
ABC034	780	1.410	930	700	700	700	310
ABC070	1.080	1.600	1.230	1.000	1.000	1.000	310

(*) The overall dimension will be increased of 310 mm in case of bag filter supply.

IDRA / Technical Data

Working Range Plug Fans



Plug fans allow a wide regulation range of air flow and available pressure.

A common 10-OV potentiometer can control blades' rotating speed adjusting aerualc performances upon necessity and reducing heater's electrical consumption.

Adapting the heater to air distribution installation will be easy and quick.

	ABC034IT	ABC070IT	
HEATING PERFORMANCES			
Air flow max	mc/h	3.000	6.500
Air flow min	mc/h	1.250	3.000
Available static pressure	Pa	200	200
Thermal output (water 75/50)	kW	34	70
Inlet air temperature	°C	12	12
Δ T air	°K	34	32
Water flow	l/h	1.240	2.470
Water pressure drop	kPa	6,8	8,0
CONDITIONING PERFORMANCES			
Air flow max	mc/h	3.000	6.500
Total thermal output (water 7/12°C)	kw	14,5	29
Sensible thermal output (water 7/12°C)	kw	10,5	21,5
Inlet air temperature		27°C - 50%	27°C - 50%
Water flow	l/h	2.500	5.050
Water pressure drop	kPa	30,0	35,9
Power supply - Three-phase	V	230/400	230/400
Power supply at max air flow	W	1,25	2,6
IP Protection	IP	55	55
Max. water pressure	bar	16	16
Max. water temperature	°C	85	85
Working temperature limits	°C	-10/60	-10/60

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Specifications in this catalogue are subject to change without notice.