

Cell Type Aspirators





AIRONN[®]

“FAN ENGINEERING”

Cell Type Aspirators

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EC Cell Type Aspirator

The EC series fans are suitable for operation at a maximum of 55 °C. 9 different models are available for you to make product selections according to your needs. EC motorized fans provide high efficiency and comfort by adjusting the motor speed thanks to intelligent speed units. The efficiency of the fans with AC motors is 15-70% compared to the working point and this value reaches to 90% in Ec motor fans. Easy installation and removable roof design provides easy access to the motor.

Fan Body

The frame of the fan cell consists of an aluminum extruded profile and an aluminum cast corner. The cabinet body is made of high quality galvanized steel. The cabinet body have 50 mm thick flame retardant rock wool insulation. It has improved acoustic performance. The maintenance cover is standard in the series.

Blade

AIR-HA- The impellers which are used in EC fans are manufactured from PP plastic. The impellers are balanced statically and dynamically according to ISO 1940 / 1-2003.

Motor

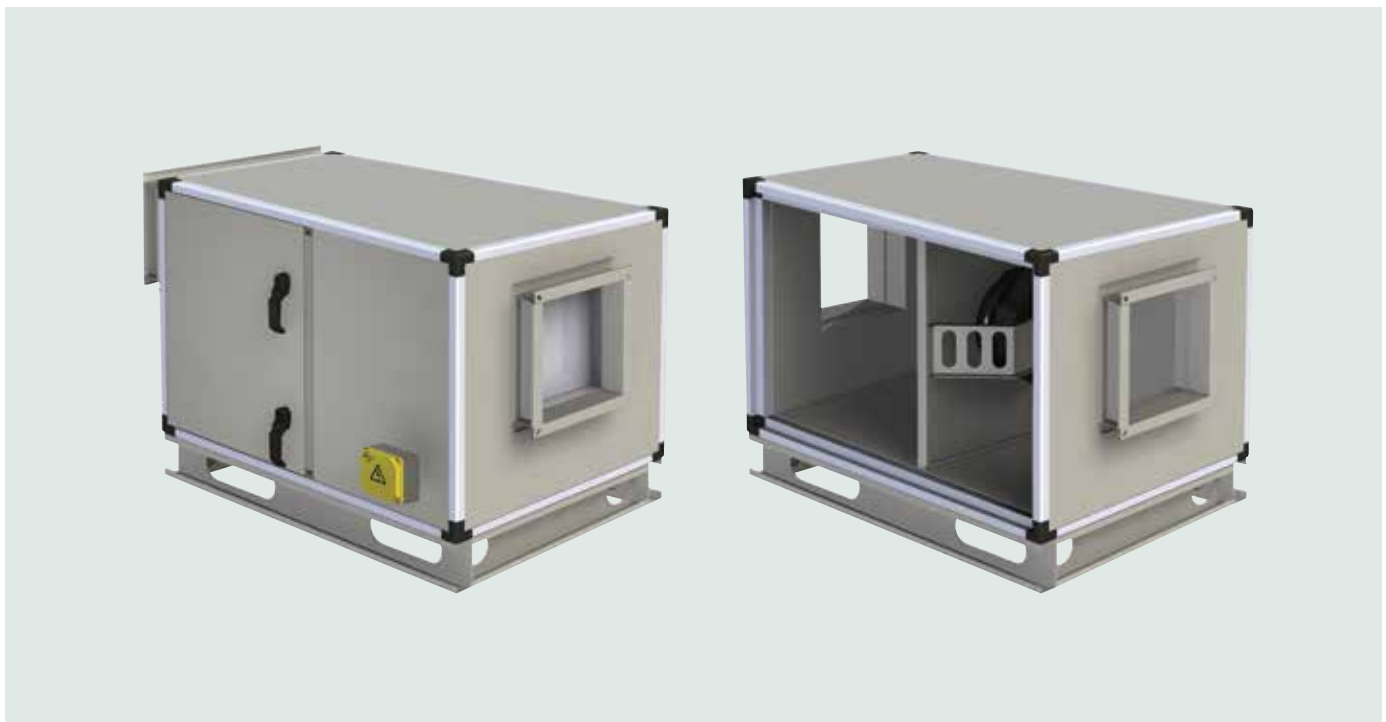
Motor is in B-F isolation class.

Electricity

IP 55 electrical junction box made of plastic material is standard.

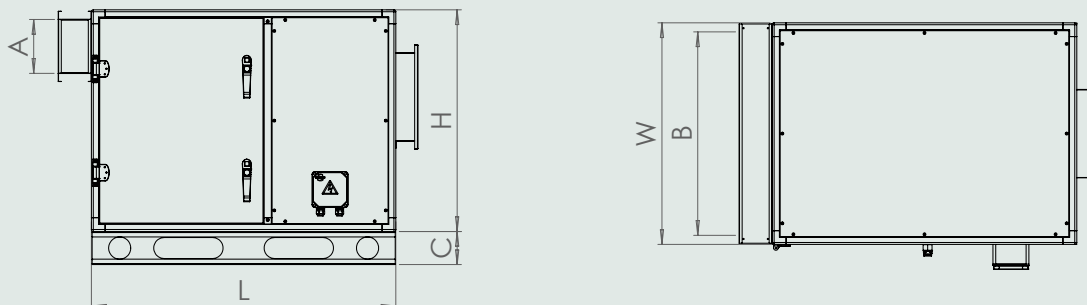
Accessory

Intelligent Control Unit, Damper



EC Cell Type Aspirator

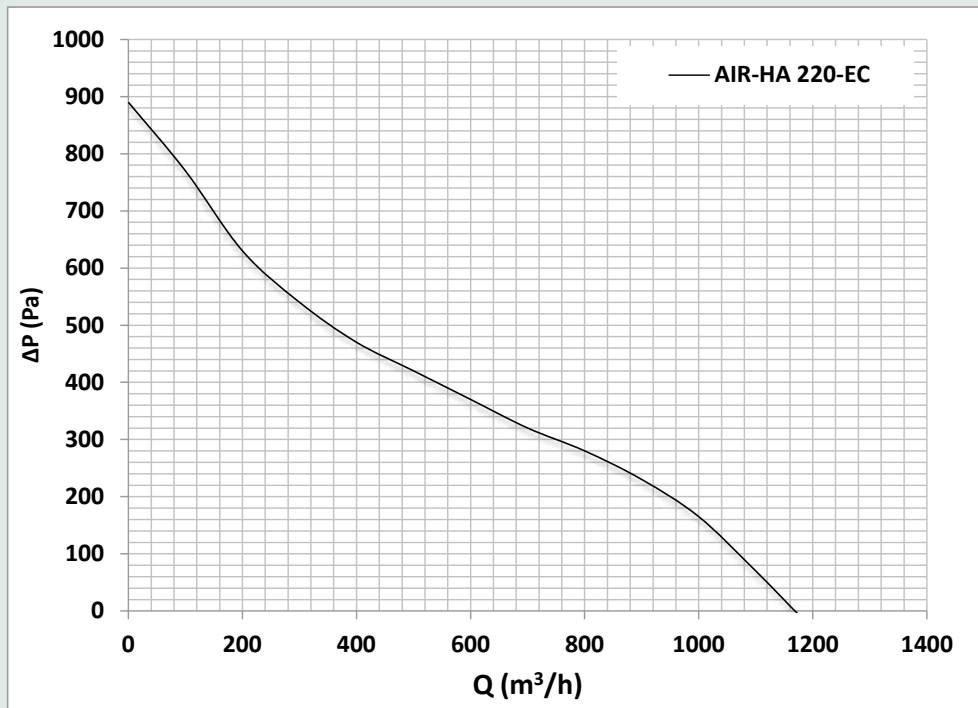
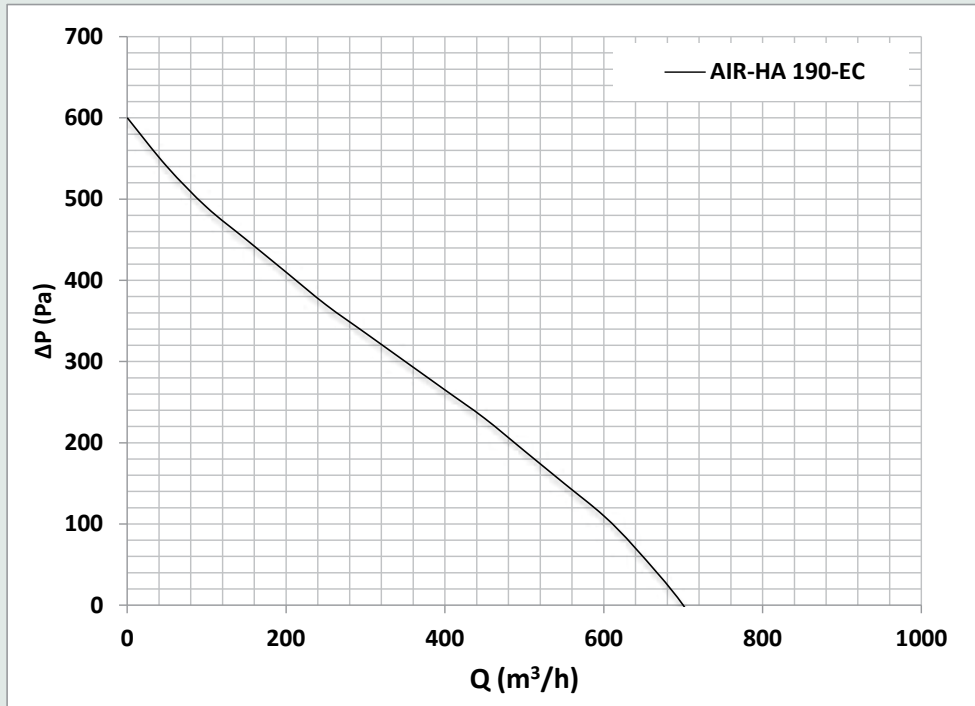
Dimensions



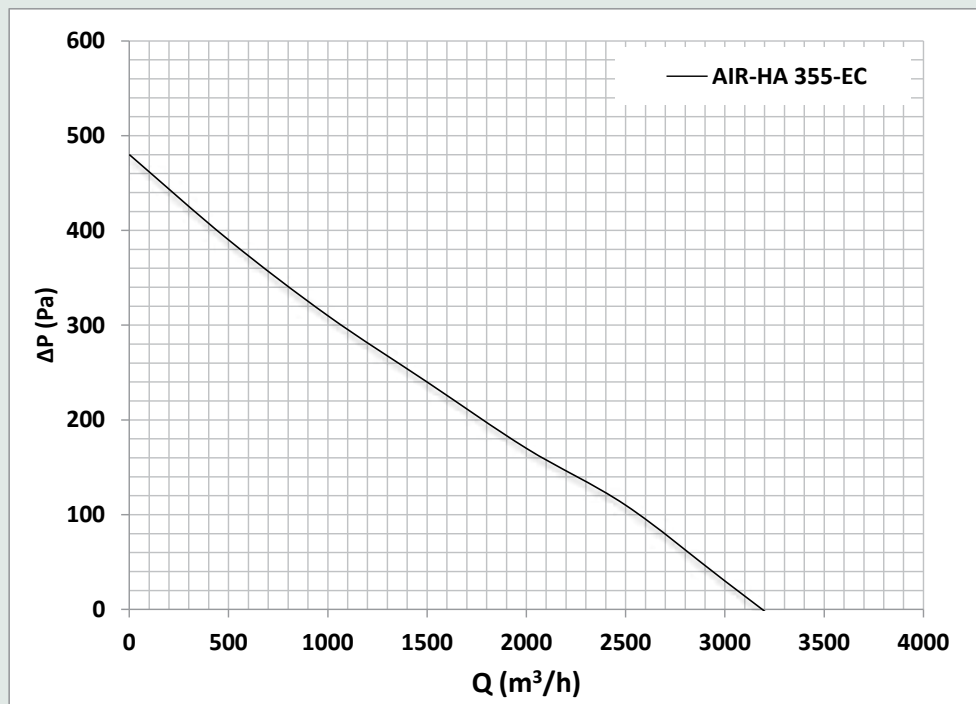
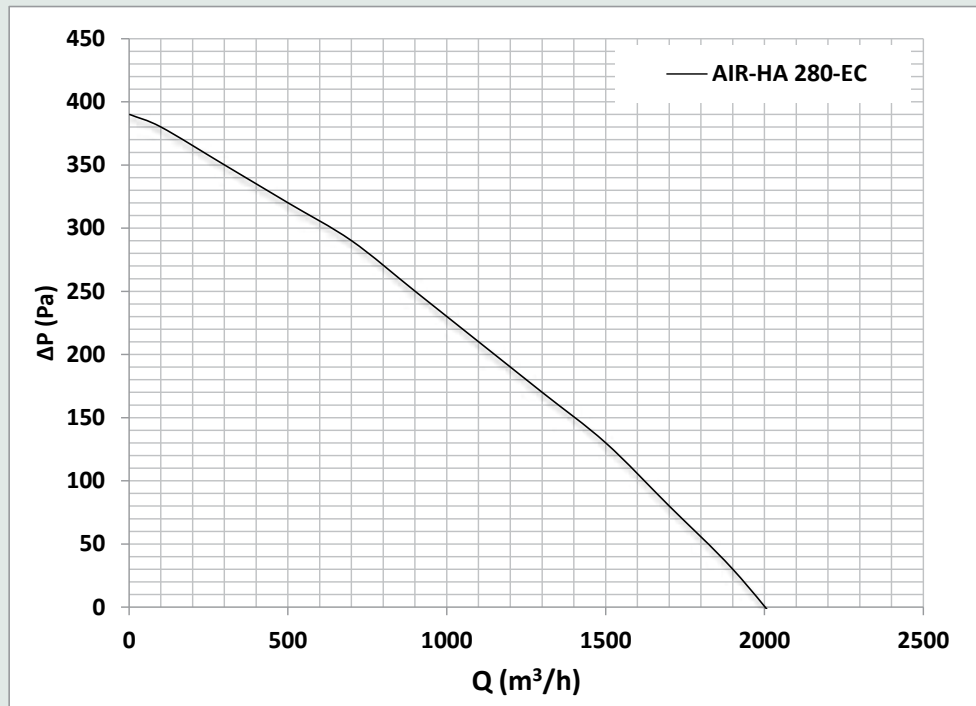
	A	B	L	W	H	C
AIR-HA 190-EC	155	770	830	820	620	100
AIR-HA 220-EC	155	770	830	820	620	100
AIR-HA 280-EC	230	770	975	820	820	100
AIR-HA 355-EC	230	770	975	820	820	100
AIR-HA 400-EC	305	1070	1065	1120	820	100
AIR-HA 450-EC	380	1016	1158	1066	1066	100
AIR-HA 500-EC	380	1016	1158	1066	1066	100
AIR-HA 560-EC	405	1360	1304	1420	1120	100
AIR-HA 630-EC	405	1360	1304	1420	1120	100

Type	Voltage V	Frequency Hz	Motor Power W	Current A	Motor Speed rpm	Noise dBA
AIR-HA 190-EC	200-240	50	83	0,75	3200	49
AIR-HA 220-EC	200-240	50	168	1,4	3230	54
AIR-HA 280-EC	200-240	50	168	1,4	1910	51
AIR-HA 355-EC	200-277	50	250	1,1	1450	53
AIR-HA 400-EC	200-277	50	500	2,2	1500	57
AIR-HA 450-EC	380-480	50	950	1,5	1550	57
AIR-HA 500-EC	200-277	50	750	3,3	1100	54
AIR-HA 560-EC	380-480	50	2360	3,65	1540	63
AIR-HA 630-EC	380-480	50	2800	4,2	1300	66

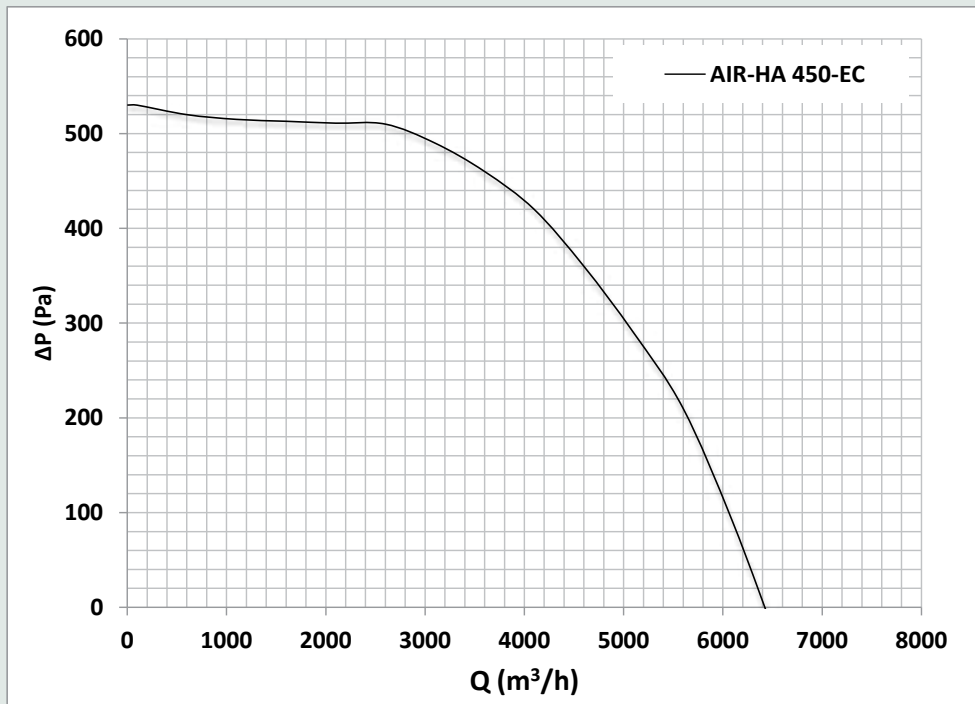
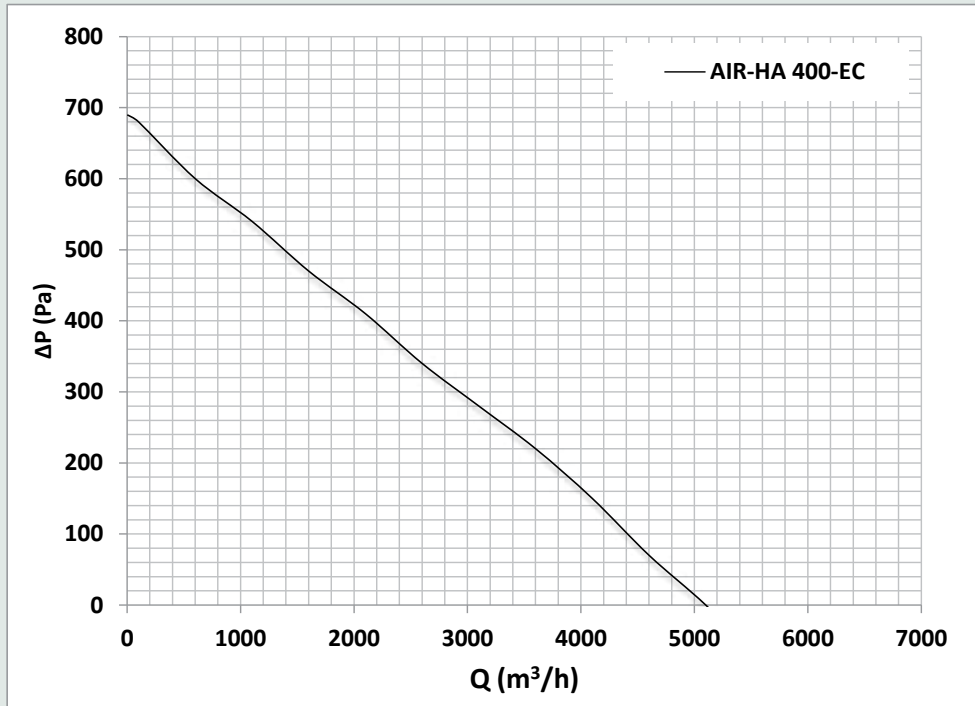
EC Cell Type Aspirator



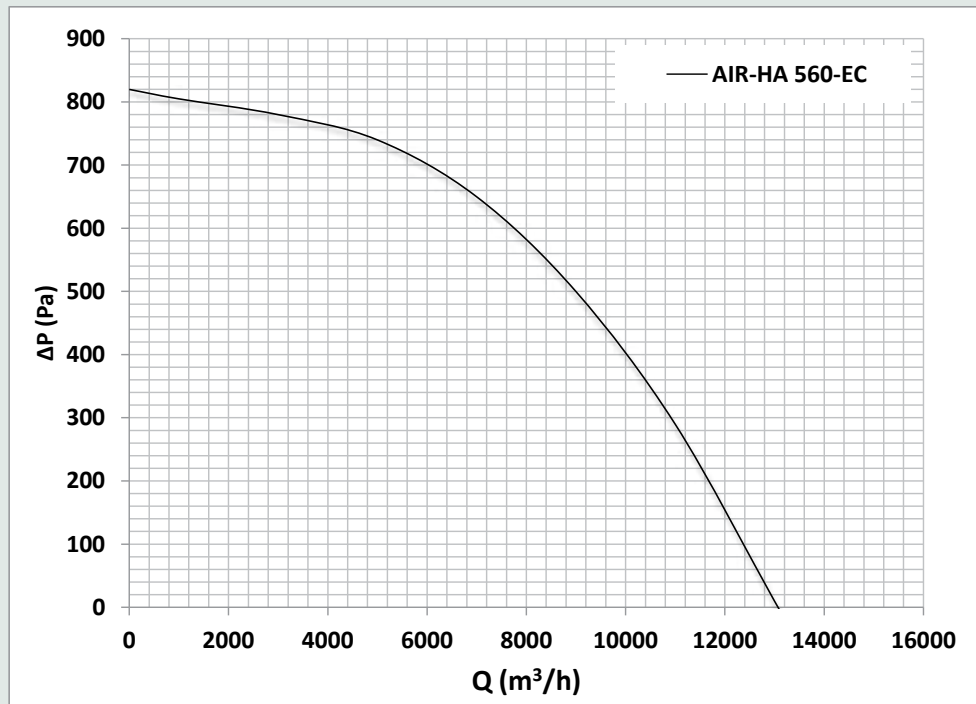
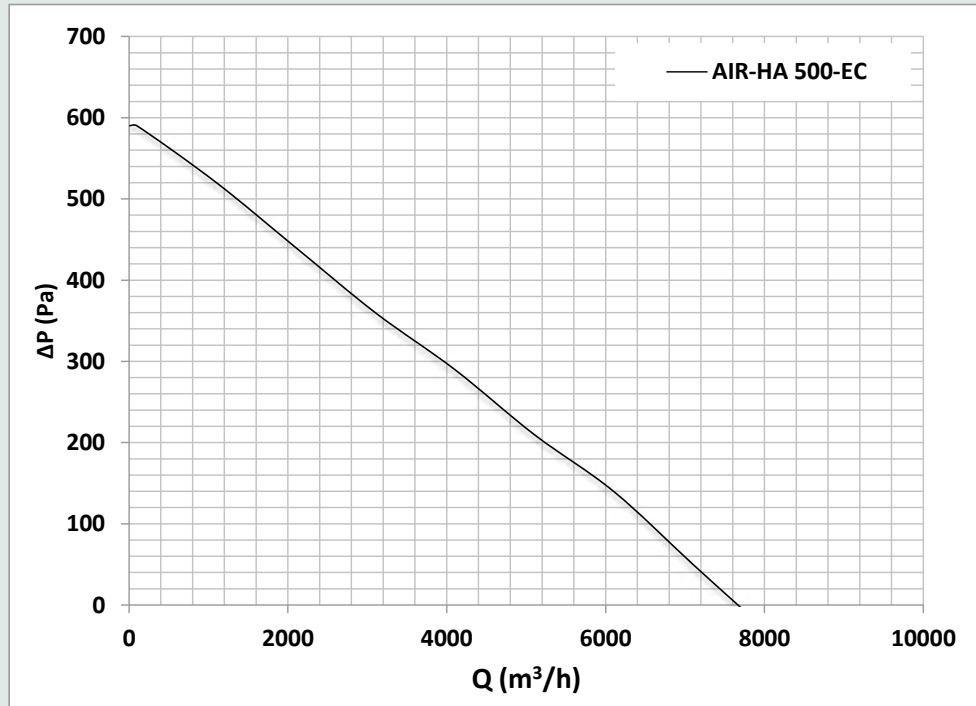
EC Cell Type Aspirator



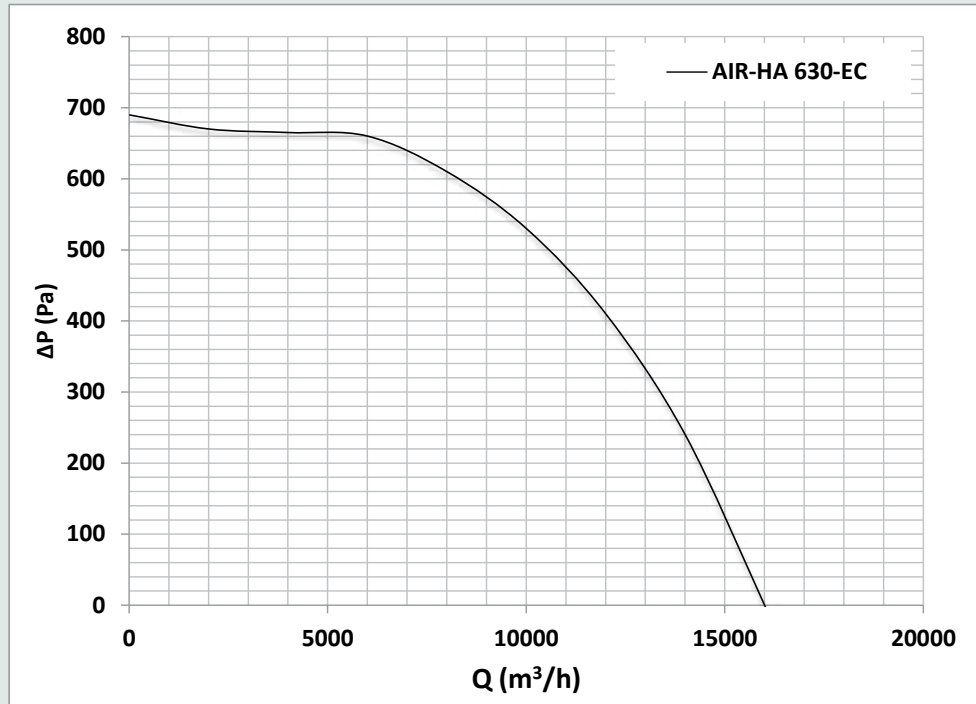
EC Cell Type Aspirator



EC Cell Type Aspirator



EC Cell Type Aspirator





Cell Type Aspirator

Aironn AIR-HA Series Cell Type Aspirators are used to clean the ambient air in places where heating and cooling are not required. Cell type aspirators which can be used in many places such as workplace, office, shopping malls are produced with or without filter on demand.

Carcass of AIR-Ha series cell type aspirators is made of aluminium profile. Thickness of cell panels is 50 mm and external metal sheet is made from 1 mm-thick and internal metal sheet is made from 0.8 mm-thick galvanized steel. External (salar) is painted with electrostatic dye. 70 kg/m³ density stone wool is used as filling material in cell panels.

Our fans used in the aspirators are statically and dynamically balanced and they are either radial or plug with silent and productive double suction feature. Power transfer between fan and motor is provided with belt and

pulley system. Fan speed can be arranged as requested with this system and optimum flow and pressure values can be obtained. The motors are 380 V - 50 Hz as standard.

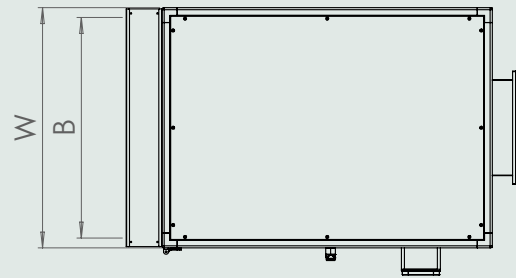
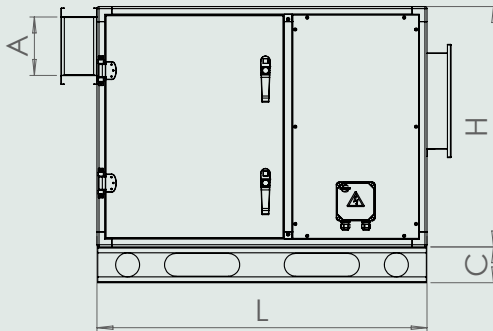
Accessories

Maintenance Switch, Frequency Inverter, Oil Retainer Pan, Damper, G4 Panel Filter, G2 Panel Filter, Illumination Light, Sight Glass



Cell Type Aspirator

Dimensions



	A	B	L	W	H	C
HA-110	155	770	830	820	620	100
HA-200	230	770	975	820	820	100
HA-210	305	1070	1065	1120	820	100
HA-300	380	1016	1158	1066	1066	100
HA-310	405	1360	1304	1420	1120	100
HA-400	505	1400	1435	1460	1420	100
HA-410	505	1700	1610	1760	1420	100
HA-500	605	1700	1747	1760	1720	100
HA-510	605	2000	1917	2060	1720	100
HA-620	705	2580	2154	2640	2120	100
HA-700	755	2580	2318	2640	2380	100
HA-730	755	3180	2534	3240	2380	100

Cell Type Shelter Aspirator

Aironn AIR-HA Cell Type Shelter Aspirator Series aims at providing suitability of ambient air in the shelter for minimum living conditions under the circumstances when it is necessary to use shelters. Minimum amount of Oxygen (O₂) should not be less than 19% and minimum amount of Carbon Dioxide (CO₂) should not be more than 2% in breathable air. In order to prevent radiation, biological and chemical dusts and particles to leak in the shelter, 50 Pa positive pressure should be provided indoors in proportion to outdoors.

Carcasses of AIR-HA Cell Type Shelter Aspirator Series designed for this purpose are made of aluminium profile. Thickness of cell panels is 50 mm and external metal sheet is made from 1 mm-thick and internal metal sheet is made from 0.8 mm-thick galvanized steel. External (salar) is painted with electrostatic dye. 70 kg/m³ density

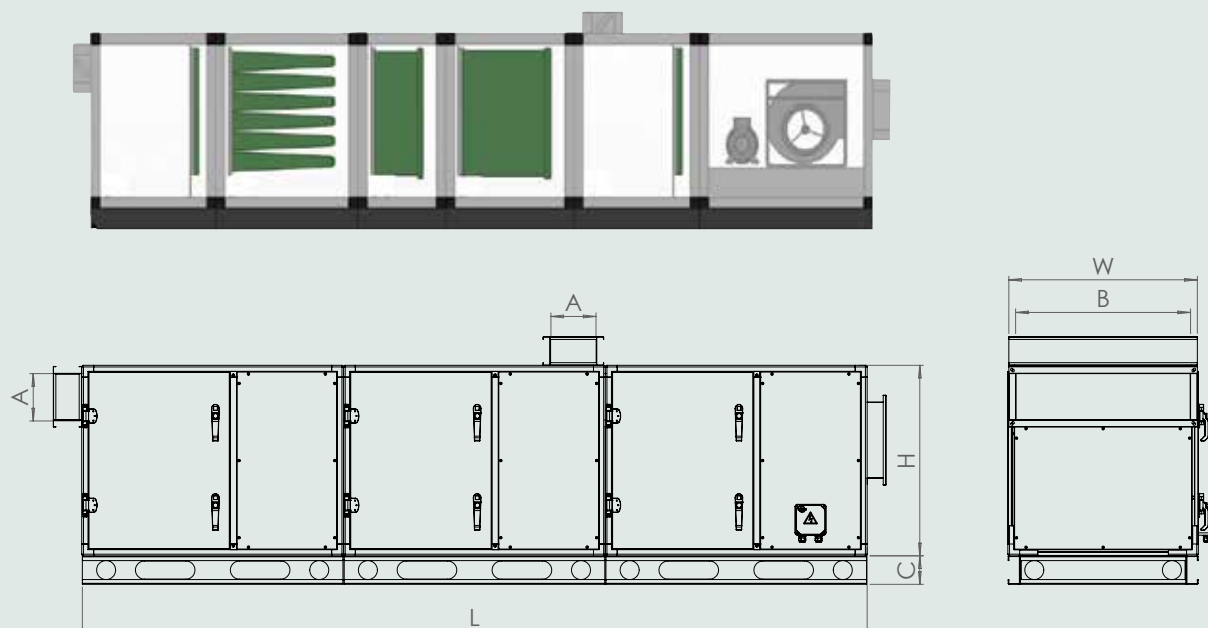
stone wool is used as filling material in cell panels. It is designed to ventilate the shelter by filtering the air with G4 panel filter, F7 bag filter, nuclear type H13 Hepa Filter, lead separator (optional) and active carbon filter when the outdoor air is polluted with radiation, biological and chemical dusts and particles by filtering the air with only G4 panel filter under normal weather conditions.

By-pass damper is used to direct the air as required. Thus special filters are not used under normal conditions of use.



Cell Type Shelter Aspirator

Dimensions



	A	B	L	W	H	C
HA-110	155	770	3030	820	620	100
HA-200	230	770	3175	820	820	100
HA-210	305	1070	3265	1120	820	100
HA-300	380	1016	3358	1066	1066	100
HA-310	405	1360	3504	1420	1120	100
HA-400	505	1400	3635	1460	1420	100
HA-410	505	1700	3810	1760	1420	100
HA-500	605	1700	3947	1760	1720	100
HA-510	605	2000	4117	2060	1720	100
HA-620	705	2580	4354	2640	2120	100
HA-700	755	2580	4518	2640	2380	100
HA-730	755	3180	4734	3240	2380	100



“FAN ENGINEERING”

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