



HCA EVO EEC HMA EVO EEC

Tubular Pad mounted with electronic motor



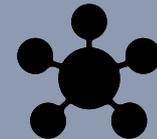
ADVANTAGES

- ✓ Low sound level
- ✓ Low energy level
- ✓ 100% regulation
- ✓ Compact
- ✓ Entrance and exit of laminar air
- ✓ Standard guide vanes



RANGE

- ✓ Sizes Ø 35-63 mm
- ✓ Flow rates up to 16,500 m³/h (9706 CFM)
- ✓ 400-2000 RPM 100% adjustable (from 400 to 2000 rpm)



APPLICATIONS

- ✓ Air renewal in all types of buildings and industries.
- ✓ Extraction of smoke.
- ✓ Maximum working temperature in continuous 60°C.

EXAMPLES OF APPLICATIONS



✓ Energy center



✓ Machine cooling



✓ Load bank



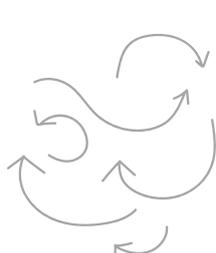
✓ Warehouses

✓ Pad-Mounted: a motor-fan assembly in which the passage of air is not affected by its mechanical support. On the contrary, this support becomes an ally to improve efficiency.

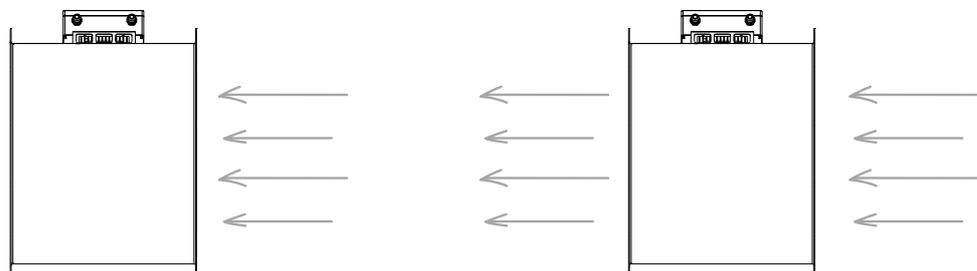
✓ All fans have guide vanes as an option, HCA / HMA EVO EEC have them integrated as standard. The guide vanes allow for an increase in efficiency and a reduction in noise level at the output side (impulsion) of the fan.

✓ Created to achieve greater efficiency by ensuring that the air inlet and outlet of the fan is always laminar, we have minimized the inefficiencies generated by the accessories installed in the drive zone, where there should be no obstacles up to a minimum of 1.5 m, something that is not usually achieved. With our fan, despite the existence of obstacles, the installation will not lose efficiency.

- Eff



+ Eff



MANUFACTURING FEATURES

- ✓ Axial tubular double short sleeve flange (HCA) and long flange (HMA).
- ✓ Blades discharge guidelines: 1 stage in HCA and 2 stages in HMA.
- ✓ The sense of air is propeller-motor (impeller).
- ✓ With EEC by Casals motor, internal rotor with permanent magnets and very high efficiency up to 1.5kW.
- ✓ Aluminum impeller of variable angle in origin.
- ✓ Drive built-in housing, low consumption and sound level.
- ✓ Power supply 230V 50/60Hz.
- ✓ IP55 motor and IP66 drive box.
- ✓ Temperatura funcional en continuo: 60°C.



HCA EVO EEC



✓ Short cased



✓ Simple guide vanes



HMA EVO EEC



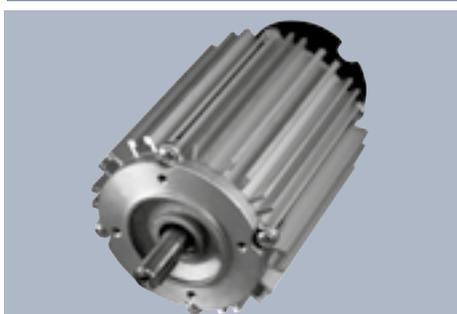
✓ Long cased



✓ Double guide vanes



✓ Aluminium impeller



✓ Electronic motor



✓ Double flange



✓ Electronics



✓ Junction box deputed with cooling slats



✓ Connection box installed in the enclosure

TECHNICAL DATES

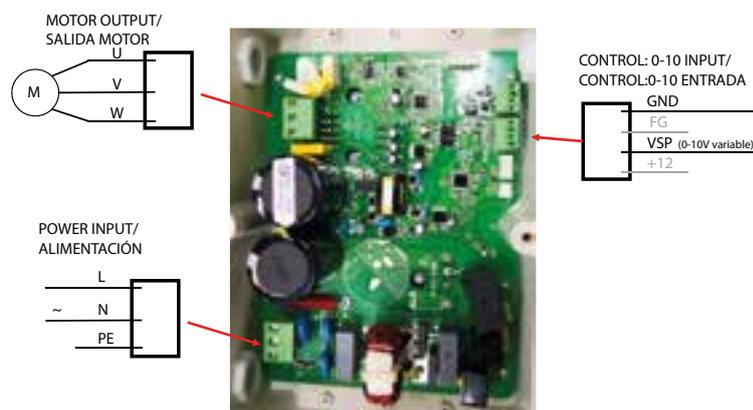
HCA EVO EEC

Code	Model	R.P.M	Rated I. (A) 230V	Rat. Power kW	Air flow m ³ /h	Sound dB (A)	Weight kg	Wiring diagram
277359040AEC	HCA EVO 35 EEC	2000	5	0,37	4.600	55	17	1
277409040AEC	HCA EVO 40 EEC	2000	6	0,75	6.120	57	19,5	1
277459040AEC	HCA EVO 45 EEC	2000	6	0,75	8.850	61	23	1
277509040AEC	HCA EVO 50 EEC	2000	10	1,50	10.250	59	31	1
277569540AEC	HCA EVO 56 EEC	1500	10	1,50	14.000	62	34,5	1
277639535AEC	HCA EVO 63 EEC	1500	10	1,50	18.900	65	43	1

HMA EVO EEC

Code	Model	R.P.M	Rated I. (A) 230V	Rat. Power kW	Air flow m ³ /h	Sound dB (A)	Weight kg	Wiring diagram
276359040AEC	HMA EVO 35 EEC	2000	5	0,37	4.600	55	17	1
276409040AEC	HMA EVO 40 EEC	2000	6	0,75	6.120	57	21,5	1
276459040AEC	HMA EVO 45 EEC	2000	6	0,75	8.850	61	25,5	1
276509040AEC	HMA EVO 50 EEC	2000	10	1,50	10.250	59	37	1
276569540AEC	HMA EVO 56 EEC	1500	10	1,50	14.000	62	43,5	1
276639535AEC	HMA EVO 63 EEC	1500	10	1,50	18.900	65	53,5	1

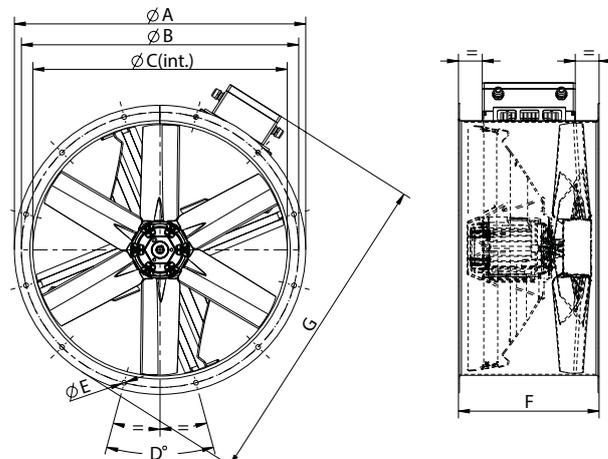
WIRING DIAGRAM



ACCESSORIES

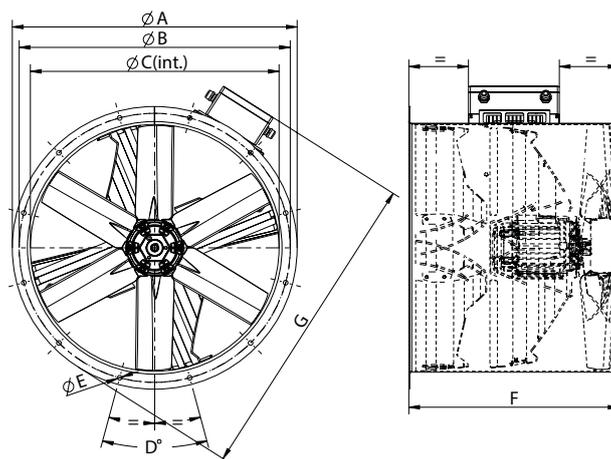


DIMENSIONS HCA EVO EEC



SIZE DIMENSIONS (mm)							
MODEL	ØA	ØB	ØC	D°	ØE	F	G
HCA EVO EEC 35	434	395	365	8x45	10	350	521
HCA EVO EEC 40	472	450	472	8x45	10	350	563
HCA EVO EEC 45	525	500	452	8x45	12	350	617
HCA EVO EEC 50	600	560	504	12x30	12	350	675
HCA EVO EEC 56	646	620	559	12x30	12	350	727
HCA EVO EEC 63	725	690	633	12x30	12	350	806

HMA EVO EEC

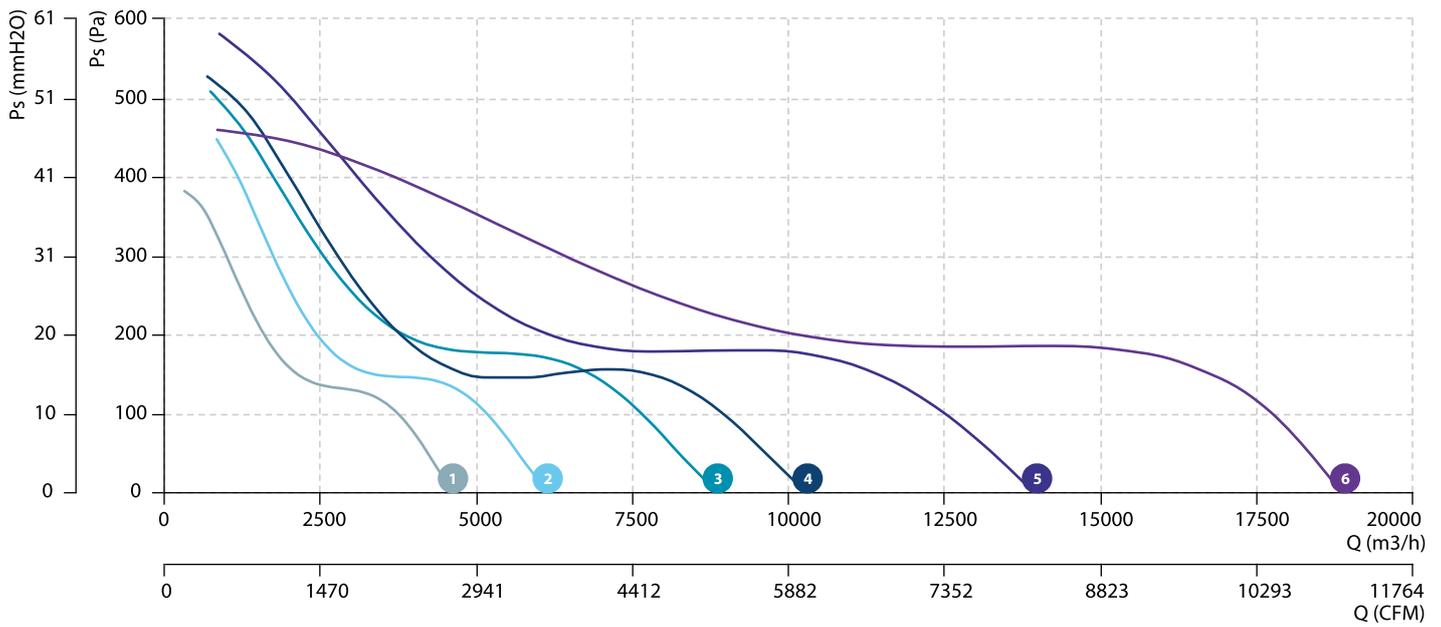


SIZE DIMENSIONS (mm)							
MODEL	ØA	ØB	ØC	D°	ØE	F	G
HMA EVO EEC 35	434	395	365	8x45	10	358,5	521
HMA EVO EEC 40	472	450	472	8x45	10	390	563
HMA EVO EEC 45	525	500	452	8x45	12	420	617
HMA EVO EEC 50	600	560	504	12x30	12	470	675
HMA EVO EEC 56	646	620	559	12x30	12	498	727
HMA EVO EEC 63	725	690	633	12x30	12	535	806

CHARACTERISTIC CURVE

1	HCA/HMA EVO 35 EEC	2	HCA/HMA EVO 40 EEC	3	HCA/HMA EVO 45 EEC	4	HCA/HMA EVO 50 EEC
5	HCA/HMA EVO 56 EEC	6	HCA/HMA EVO 63 EEC				

AIR FLOW - PRESSURE



AIR FLOW - ABSORBED POWER

