

ATEX FANS

HHX

External motor, variable pitch blades, ATEX



MANUFACTURING FEATURES

- Long cased fan
- Transmission ball bearings set inside a sealed box manufactured in steel or cast aluminium. Ball bearings permanently greased.
- Cast aluminium impeller with variable pitch angle in origin.
- Epoxy powder finishing coat.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation and ATEX certified Ex-d: II 2GD EX-d IIC T4 IP66 with PTC (thermal protector). Manufactured with standard voltages: 230V 50Hz in single phase motors and 230/400V 50Hz in three phase motors up to 4kW, and 400/690V 50Hz for higher powers.
- Inspection door for motor access and transmission set located on the lower part of the housing.

APPLICATIONS

- Designed for inline installation, they are suitable for:
- Air renewal in buildings and industries.
 - Hot air extraction up to 110°C.
 - Maximum working temperature: carried air 110°C; environment: 60°C.

UNDER REQUEST

- B form impeller (air flow from impeller to motor). 5% additional cost.
- 100% reversible impeller. 5% additional cost.
- Polyamide impeller.
- 60Hz fans and special voltages. 10% additional cost only in three phase models.
- 2 speed motors.
- Hot-dipped galvanised or stainless steel housing.

ATEX OPTIONS UNDER REQUEST

Three-phase MOTOR explosion-proof under the ATEX 2014/34/EU Directive for working temperatures from -20°C to +40°C.

- ATEX Explosion-proof for GAS
- ⓂII2G Ex-d IIB T4 IP66
- ⓂII2G Ex-d IIC T4 IP66 (OPTIONAL PTC PROBE)
- ⓂII2G Ex-d IIC T5 IP66
- ATEX Increased security for GAS:
- ⓂII2G Ex-e T3 IP55
- ATEX Protection "n" for GAS:
- ⓂII3G Ex-nA IIC T4 Gc
- ATEX Protection "n" for GAS and NON-CONDUCTIVE DUST:
- ⓂII3GD Ex-na IIC T4 Gc Ex-tc IIB T125° IP55 AREA 22
- ATEX Explosion-proof for GAS and DUST:
- ⓂII2GD Ex-d IIC T4 IP66
- ⓂII2GD Ex-d IIC T5 IP66
- ATEX Increased security for DUST:
- II3D Ex-e Dc
- ATEX Protection by enclosure for DRIVER DUST:
- II3D Ec-tc IIC T125° Dc IP55 ZONE 22

To carry out the selection of an ATEX fan, please use the curves that you will find in the Fanware by Casals selection software. The electrical data of these ATEX models can be modified.

ACCESSORIES



INT pg. 312
Safety switch



SFC pg. 311
Frequency speed controller



PC2 pg. 290
Aluminium overpressure damper



AC pg. 296
Connection flange



PCP pg. 290
Plastic gravity shutter



PO pg. 294
Optional mounting support



RP pg. 284
Inlet-outlet protection guard



SIL-C pg. 308
Inlet-outlet circular silencer



BA-400 pg.299
Flexible flange
400°C/2H



SIL-CN pg. 308
Inlet-outlet circular silencer

THREE PHASE RANGE

Code	Model	Rated R.P.M.	Rated current (A) 400V	Rated Power kW	Air flow m³/h	Sound dB (A)	Weight Kg			
264100106XY	HHX 35 T2 0,55kW	2800	1,45	0,55	4.100	64	22			
264310106XY	HHX 35 T4 0,12kW	1400	0,71	0,12	3.150	49	20			
264340120XY	HHX 45 T4 0,37kW	1400	1,2	0,37	6.290	49	36			
264380106XY	HHX 56 T4 0,55kW	1400	1,75	0,55	8.680	57	36			
264380120XY	HHX 56 T4 0,75kW	1390	2,1	0,75	10.940	57	36			
264390106XY	HHX 56 T4 1,1kW	1400	3,3	1,1	12.040	56	39			
264400106XY	HHX 63 T4 1,1kW	1400	3,3	1,1	14.010	56	59			
264420106XY	HHX 71 T4 1,1kW	1400	3,3	1,1	15.970	70	74			
264420120XY	HHX 71 T4 1,5kW	1400	3,8	1,5	18.980	62	77			
264440106XY	HHX 90 T4 3kW	1430	6,8	3	29.940	77	113			
264450106XY	HHX 90 T4 5,5kW	1440	11,5	5,5	32.510	78	132			