

ATEX FANS

AAX
High pressure with aluminium backward impeller ATEX


■ MANUFACTURING FEATURES

- Rolling steel sheet housing.
- Fully welded housing.
- High efficiency simple inlet forward curved impeller manufactured in cast aluminium.
- Epoxy powder finishing coat.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation and certificación ATEX Ex-d: II 2GD EX-d IIC T4 IP66 with PTC (thermal protector), Ex-e: II 2G Ex-e II T3 Ta-20°C+40°C, Ex-nA: II 3GD Ex-nA IIC T4 Gc Ex tc IIIB T125°C IP55 Ta -20°C+40°C. Standard voltages 230/400V 50Hz motors up to 4kW and 400/690V 50Hz.
- Standard orientation: LG270.

■ APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, extraction or injection of air.
- Cooling of machines and parts.
- Clean air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air: 130°C, ambient 60°C.

■ UNDER REQUEST

- Orientation: LG0, LG45, LG90, LG135, LG180, LG225, LG315.

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 IIIB 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 Ex-tc IIIC 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



RBS pg. 288
Inlet guard



AC pg. 296
Connection flange



JE 45 pg. 300
Flexible joint



RA pg. 288
Inlet protection guard



EI pg. 297
Outlet flange



BAD pg. 300
Coupling flange



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

■ THREE PHASE RANGE

Code	Model	R.P.M.	Rated I (A)		Rat. Pow. kW	Air flow m³/h	Power dB (A)	Weight Kg		
			230V	400V						
255170160XY	AAX 47 T2 1,1kW	2800	4,05	2,33	1,1	520	64	49,5		
255280160XY	AAX 53 T2 2,2kW	2800	7,97	4,58	2,2	880	67	67		
255350160XY	AAX 59 T2 2,2kW	2800	7,97	4,58	2,2	580	69	70		
255350163XY	AAX 59 T2 3kW	2870	10,3	5,92	3	890	69	77		
255450160XY	AAX 66 T2 4kW	2890	13,3	7,63	4	900	72	82		
255500160XY	AAX 70 T2 5,5kW	2900	-	10,6	5,5	1.030	77	118,5		
255510160XY	AAX 70 T2 7,5kW	2900	-	14,1	7,5	1.790	78	125		
255120106XY	AAX 45/5 T2 2,2kW	2800	7,97	4,58	2,2	1.680	83	62,5		
255120120XY	AAX 45/5 T2 3kW	2870	10,3	5,92	3	2.760	83	69,5		
255150106XY	AAX 50/5 T2 4kW	2890	13,3	7,63	4	2.930	86	79		
255150120XY	AAX 50/5 T2 5,5kW	2900	-	10,6	5,5	4.650	87	92		
255520120XY	AAX 60/7 T2 11kW	2930	-	20,8	11	5.480	91	141		