

ATEX AXIAL FANS

GROUP II, CATEGORY 2, "EX H" ; SUITABLE FOR GASES AND DUST &NBSP;

DIAM. 300-1250 mm



ATEX fan for hazardous locations diameter up to 1250 mm

Range

Diameters from **300 mm to 1250 mm**

Temperature class

T4, maximum surface temperature ? **135° C**

Gas group

IIB - Atmospheres containing ethylene, or gases and vapors of equivalent hazard

Dust group

IIIC - Atmospheres containing conductive dust

Construction

- **Fan** Highly-efficient axial impeller, tested in HW Ventilation AMCA 210-designed wind tunnel
- **Blades:**
 - AISI 316 or AISI 304 stainless steel – welded
 - Aluminum – fixed or variable pitch angles
 - Anti-static polyamides (PA6) – fixed or variable pitch angles
 - antistatic PA (PAA)
 - antistatic, self-extinguishing PA (PAX)
 - antistatic, self-extinguishing, magnetically shielded PA (PAM)
- **Hubs:**

AISI 316 or 304 stainless steel
Die cast aluminum alloy

Balancing according to ISO 1940 standard

• **Casing:**

- Painted S235JR carbon steel
- AISI 316 stainless steel
- AISI 304 stainless steel

Finishing:

- Epoxy painting
- Pickling and passivation
- Hot-dipped galvanization

Motor:

Asynchronous three phase induction motors for potentially explosive atmospheres (manufactured according to 2014/34/EU, 2014/30/EU directives):

II 2G Ex d de IIB T5, T4, T3 Gb

II 2G Ex d de IIC T5, T4, T3 Gb

*II 2D Ex tb IIIC T100°C, T125°C, T150°C Db
IP6X*

Applicable standards: EN 60079-0; EN 60079-1;
EN 60079-7; EN 679-31;
IEC60034-1,5,6.7,8,9,12,14; IEC 60072

Accessories

- protection guards
- inspection doors
- brackets
- silencers
- flanges
- ATEX junction boxes

Versions

- **Short casing:** the motor is partially protected by the casing
- **Long casing:** fan and motor are totally protected by the casing

Advantages

- Large airflow with relatively low pressure drops
- Tailored-made solutions to suit any project specifications
- Wide range of ATEX accessories and customized components
- Motors and electrical components from top-in-class suppliers
- ATEX certificates and performance test reports are provided with each ventilator
- Performance testing is carried out internally (AMCA 210 test chamber)
- Short delivery times regardless of order quantities

Certifications

Our ATEX fans are designed, built and tested by HW Ventilation according to **ATEX 2014/34/UE** directive. All the procedures followed to construct the fans are listed in the HW Ventilation Technical File and filed with TÜV Rheinland Industrie Service GmbH notified body.