ETS NORD

NORDfan I Ex Fan Questionnaire

Date: 08/07/2025

Please complete the following questionnaire by checking one of the options provided. Together with the questions, please also read the corresponding notes.

Contact	Company:	
	Reference:	
	Item:	

1.

This EX Fan is in conformity: group	
ATEX - CE	Directive 2014/34/EU
EX - EAC	Technical Regulations TP TC 012/2011

2. **Indicate position of fan shaft:**

VERTICAL		HORIZONTAL	

If the fan is installed in vertical position check the motor compliance.

4. **How is this place classified?**

ZONE 0	Ferrari Ventilatori cannot supply the fans required for this zone	Indicate the presence of gas, vapours or inflammable suspensions mixed with air.
ZONE 1	2G	
ZONE 2	3G	
ZONE 20	Ferrari Ventilatori cannot supply the fans required for this zone	Indicate the presence of combustible dust mixed with air
ZONE 21	2D	
ZONE 22	3D	

It is necessary to specify the location of the potentially explosive atmosphere, so as to precisely define the construction characteristics to be applied. If the potentially explosive atmosphere is also present outside the ventilator, additional precautions must be taken.
All ventilators are fitted with silicone seals. In your request, please specify any incompatibility of these seals with the characteristics of your system.
The fan is not a airtight machine, please consider losses due to leakage, as indicated in document nr. 50764, point 4.a.

INSIDE THE FAN	OUTSIDE THE FAN

5.

If the explosion risk is caused by gases (G), indicate the group		
IIIB	non-conductive dust	
IIIC	conductive dust	For all fans with conductive dust, electrical equipment must be with an IIIC IP 6X protection rating (EN 61241-14 EN 60529).

If the explosion risk is caused by dust (D), indicate the group		
IIIB	non-conductive dust	
IIIC	conductive dust	For all fans with conductive dust, electrical equipment must be with an IIIC IP 6X protection rating (EN 61241-14 EN 60529).

6.

MAXIMUN TEMPERATURE PERMITTED :

For gases this temperature depends by class temperature of atex fan and must correspond, as minimum, with following values:

Temperature class	Minimum gas ignition point temperature for category 2 (°C)	Minimum gas ignition point temperature for category 3 (°C)
T2	363	290
T3	244	195
T4	163	130

For dust this temperature depends by class temperature of atex fan and cleaness of surface; furthermore it must correspond, as minimum, with following values:

Nominal surface temperature (as marked) (°C)	Minimum gas ignition point temp. with clean surfaces (°C)	Minimum dust ignition point temp. with deposits of thickness up to 5 mm (°C)
295	443	370
195	293	270
135	203	210
125	188	200

7. **Direct driven axial fans and centrifugal fans arrangement 5:**
temperature of the fluid in contact with the motor = temperature of the fluid conveyed by the fan

Belt driven centrifugal fans and axial fans:
temperature of the fluid in contact with the motor = ambient temperature.

MAXIMUM TEMPERATURE OF FLUID DRAWN IN BY FAN The temperature must be read at the fan exit, and also the fluid compression effects caused by the fan should be taken into consideration.	MAXIMUM TEMPERATURE OF FAN INSTALLATION ENVIRONMENT Fan external environment temperature must not be inferior to -20° or superior to +60°,except if different specified by constructor.

If the temperature of the fluid in contact with the motor exceeds 40°C, it is necessary to check with the supplier of the motor if the Atex certification is still valid and if so, with what restrictions.

8. **Is the electric motor controlled by a frequency converter?**

YES ☐ NO ☐

Whether electric motor service is different from S1 (continue) and the number of fan starters per hour is more than 2, it is necessary the installation of motor with PTC

Rubber stamp and signature: