

FMZ Fan with ATEX certificate

High-efficiency fan for the FM filter range when handling explosive dust



The FMZ fan can be used on the clean air side of FM filters handling explosive dusts.

The FMZ fans are designed for high efficiency with low noise levels and are of the non-overloading type. This gives a safe and reliable system with minimal power consumption when under reduced loads. The fans are only available in RD version.

The fan is equipped with anti-spark inlet and inspection door.

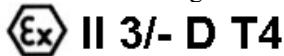
Ordering

At ordering, please specify:

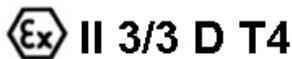
- Dust characteristics Kst and P-Max
- Zone-rating of place for installation (Non-zone or zone 22)

Marking

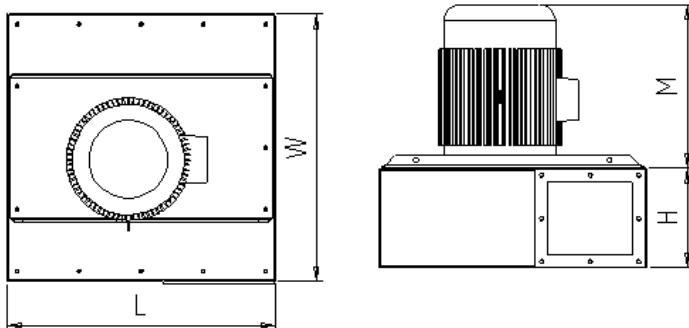
The FMZ fan housing is marked for installation in non-zone:



For installation in Zone 22:



Specifications	Standard
Fan, material	Galv. steel, 2 mm
Motor, manufacturer	Depends on the installation zone
Motor, electrical supply	3 x 400V, 50 Hz
Motor and fan speed	2900 rpm
Outlet	160 to 400 mm



Type	Motor size (kW)	Weight* (kg)	Optimum duty point (Q)	Noise level (dB(A)/1m) ¹	Efficiency (%)	Max. RPM	Max. recomm. air flow (m³)	L (mm)	W (mm)	H (mm)	M (mm)
FMZ620	3.0	74	2,000	65	82	3600	3,000	650	650	245	350
FMZ622	4.0	83	3,000	69	82	3600	4,000	650	650	245	370
FMZ625	5.5	95	4,000	67	82	3600	5,000	650	650	245	430
FMZ825	7.5	150	5,000	72	82	3600	6,000	800	800	465	430
FMZ831	11.0	166	7,000	73	82	3600	8,000	800	800	465	560
FMZ835	15.0	180	9,000	74	81	3600	10,000	800	800	465	560
FMZ1000	18,5	260	14,000	76	82	3000	16,000	1205	1046	378	505

* Approx. total weight of fan and MEZ motor.

Noise level and efficiency apply to the optimum duty point.

Note 1: Incl. pipe connections. The noise level from the outlet is not included.