



Application:

Explosion-proof fans meeting the requirements of the ATEX directive. Fans for pumping explosive gases and vapors.

- Temperature class: from T1 to T3 on request T4.
- Temperature of the pumped medium up to +40°C.
- Explosive zone: Z1 (1) and Z2 (2).
- Explosion category: II.

Construction:

- Fan housing - steel painted with antistatic paint.
- Axial impeller - plastic.
- Engine cover (hat) - powder coated steel.
- Explosion-proof electric motor, three-phase.

The fans are made in two versions:

To Zone 1 (2G):

Explosion-proof three-phase motor not suitable for speed regulation.

To zone 2 or 22(3G/3D):

Explosion-proof three-phase motor adapted to speed regulation with a dedicated frequency converter.

CE II 2G Ex h IIB T3 Gb

CE II 3G Ex h IIB+H2 T3 Gc

CE II 3D Ex h IIB T120stC Dc

On request, we manufacture explosion-proof fans:

- to zone 1 for speed regulation,

Technical data:

Typ	Efficiency MAX	Efficiency nominal	Nominal pressure	Input power	Highest speed	Rated Current** 3x400V 2G	Rated Current** 3x400V 3G/3D	Noise*	Weight
	[m ³ /h]	[m ³ /h]	[Pa]	[kW]	[obr./min]	[A]	[A]	[dB(A)]	[kg]
WODE-40 M	2730	1930	33	0,18	900	0,8	0,72	67	20
WODE-40 D	4200	3000	80	0,25	1400	0,8	0,78	72	21
WODE-50 M	3740	2655	42	0,18	900	0,8	0,72	68	22
WODE-50 S	5760	3600	100	0,37	1400	1,3	1,1	76	23
WODE-50 D	6930	4920	110	0,55	1400	1,7	1,55	77	23
WODE-56 M	4790	3400	51	0,37	900	1,3	1,24	69	26
WODE-56 S	7370	5300	170	0,55	1400	1,6	1,55	76	26

**Guide values, may change the application depending on the motor used *Measurement at a distance of 4m
Rated currents are given on the rating plate and in the operating instructions.

Dimensions:

Typ	ØA	ØB	ØC	H	nxd
	[mm]	[mm]	[mm]	[mm]	[mm]
WODE-40	400	438	888	355	8 x 9,5
WODE-50	500	538	888	355	8 x 9,5
WODE-56	560	600	888	400	12x9,5

