



**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.

- Ambient temperature up to +40°C.

- Explosive zone: Z1 (1) and Z2 (2).

- Explosion category: II.

The fans are made in two versions:

**To Zone 1 (2G):**

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

CE II 2G Ex h IIB T3 Gb

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

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

CE II 3G Ex h IIB+H2 T3 Gc

CE II 3D Ex h IIIB T120stC Dc

**Construction:**

Housing - steel painted with antistatic paint.

Impeller - antistatic plastic.

Motor - three-phase explosion-proof IP 55 class.

Exhaust and supply versions available.

**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 <sup>3</sup> /h]	[m <sup>3</sup> /h]	[Pa]	[kW]	[obr./min]	[A]	[A]	[dB(A)]	[kg]
WOSE-25	900	600	28	0,12	1400	0,5	0,55	52	12
WOSE-31M	1790	1590	30	0,18	900	0,7	0,72	65	13
WOSE-31D	2808	2520	79	0,25	1400	0,85	0,78	74	13
WOSE-35M	2890	2050	39	0,18	900	0,7	0,72	66	14
WOSE-35D	4530	3210	82	0,25	1400	0,85	0,78	70	14
WOSE-40M	3890	3240	29	0,18	900	0,7	0,72	66	14
WOSE-40D	6084	5400	95	0,25	1400	0,85	0,78	74	14
WOSE-45M	4700	3200	38	0,18	900	0,7	0,72	67	15
WOSE-45D	7350	6120	100	0,37	1400	1,3	1,1	74	15
WOSE-50M	6120	4490	43	0,18	900	0,8	0,72	68	18
WOSE-50S	8820	6120	110	0,37	1400	1,3	1,1	75	18
WOSE-50D	9900	7920	105	0,55	1400	1,6	1,55	75	19
WOSE-56M	7040	5060	53	0,37	900	1,3	1,24	68	21
WOSE-56S	11000	7920	130	0,55	1400	1,6	1,55	75	22

**Dimensions:**

Typ	A	B	øD	C	D
	[mm]	[mm]	[mm]	[mm]	[mm]
WOSE-25	140	300	250	290	340
WOSE-31	140	300	315	360	410
WOSE-35	140	310	355	430	490
WOSE-40	140	340	400	490	530
WOSE-45	140	390	450	520	580
WOSE-50	140	400	500	560	610
WOSE-56	190	400	560	620	700

\*\*Guide values, may change the application depending on the motor used  
Rated currents are given on the rating plate and in the operating instructions.

\*Measurement at a distance of 4m

