



**Application:**

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

- Temperature class: from T1 to T3 on request T4.
- Ambient temperature up to +40°C.

- Kategoria wybuchowości: II.
- Strefa wybuchowości: Z1 (1) oraz Z2 (2).

**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

**For zone 2 and 22 (3G/3D):**

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

CE II 3G Ex h IIB+H2 T3 Gc

CE II 3D Ex h IIB T120stC Dc

**Construction:**

Fan housing - steel painted with antistatic paint.  
Axial impeller - special antistatic material.  
Three-phase explosion-proof electric motor.

**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]
WOKE-31	2808	2520	79	0,25	1400	0,8	0,78	56	16
WOKE-35	4530	3210	82	0,25	1400	0,8	0,78	60	18
WOKE-40M	3890	3240	29	0,18	900	0,8	0,72	52	22
WOKE-40D	6084	5400	95	0,25	1400	0,8	0,78	62	22
WOKE-45M	4700	3200	38	0,18	900	0,8	0,72	54	23
WOKE-45D	7350	6120	100	0,37	1400	1,3	1,1	65	24
WOKE-50M	6120	4490	43	0,18	900	0,8	0,72	55	27
WOKE-50D	9900	7920	105	0,55	1400	1,6	1,55	65	28
WOKE-56M	7040	5060	53	0,37	900	1,3	1,24	59	34
WOKE-56S	11000	7920	130	0,55	1400	1,6	1,55	63	34
WOKE-56D	12000	10080	158	1,1	1400	2,7	2,7	79	45

\*\*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	Ø D1	Ø D2	L	n x Ød
	[mm]	[mm]	[mm]	[mm]
WOKE - 31	315	352	350	8x9,5
WOKE - 35	355	392	350	8x9,5
WOKE - 40	400	438	440	8x9,5
WOKE - 45	450	488	440	8x9,5
WOKE - 50	500	538	450	8x9,5
WOKE - 56	560	600	450	12x9,5

