



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.
- Explosion category: II.
- Explosion zone: Z1 (1) and Z2 (2).

Construction:

Fan housing - steel painted with paint antistatic, (OFK EX-560 chromium-nickel steel).
Axial rotor - plastic (OFK EX-560 chromium-nickel steel).
Explosion-proof electric motor.

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 adapted to speed regulation with a dedicated frequency converter.

CE II 3G Ex h IIB+H2 T3 Gc

CE II 3D Ex h IIB T120stC Dc

Technical data:

Typ	Efficiency MAX	Pressure MAX	Input power	Highest speed	Rated Current ** 3x400V 2G	Rated Current ** 3x400V 3G/3D	Noise *	Weight
	[m ³ /h]	[Pa]	[kW]	[obr./min]	[A]	[A]	[dB(A)]	[kg]
OFK EX - 250/2	2300	150	0,25	2800	1	0,74	61	11
OFK EX - 315/2A	3600	225	0,37	2800	1,2	1	69	16
OFK EX - 315/2B	4300	230	0,75	2800	1,7	1,8	72	16
OFK EX - 355/2A	4800	250	0,55	2800	1,4	1,4	74	18
OFK EX - 355/2B	6300	280	1,1	2800	2,5	2,5	75	22
OFK EX - 400/2A	7200	420	1,5	2800	3,3	3,1	79	26
OFK EX - 400/2B	10100	425	2,2	2800	4,6	4,55	80	28
OFK EX - 450/2A	12250	525	2,2	2800	4,6	4,55	82	31
OFK EX - 450/2B	14350	640	4	2800	7,8	7,5	86	44
OFK EX - 500/2A	15500	680	3	2800	6	6,1	84	41
OFK EX - 560/2A	15500	800	4	2800	7,8	7,5	87	58
OFK EX - 560/2B	20500	880	5,5	2800	11,1	10,5	86	61

**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

Dimensions:

Typ	ØD	ØD2	L	n x Ød
	[mm]	[mm]	[mm]	[mm]
OFK EX-250	250	275	350	4 x 9,5
OFK EX-315	315	352	350	8 x 9,5
OFK EX-355	355	392	350	8 x 9,5
OFK EX-400	400	438	440	8 x 9,5
OFK EX-450	450	488	440	8 x 9,5
OFK EX-500	500	538	450	8 x 9,5
OFK EX-560	560	600	550	12 x 9,5

