


**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.

**The fans are made in two versions:**
**To Zone 1 (2G):**

II 2G Ex h IIB T3 Gb

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

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

II 3G Ex h IIB+H2 T3 Gc

II 3D Ex h IIB T120stC Dc

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

**Construction:**

- Housing - chromium-nickel steel.
- Dome (engine cover) - powder coated steel.
- Radial impeller - chromium-nickel steel.
- Electric motor, explosion-proof, three-phase.

**On request, we manufacture explosion-proof fans:**

- to zone 1 for speed regulation

Typ	Dimensions				
	ØD [mm]	ØD1 [mm]	ØA [mm]	B [mm]	n x Ød [mm]
PFD EX-140	140	165	440	430	4x7
PFD EX-160	160	185	440	450	4x7
PFD EX-160/4	160	185	630	640	4x7
PFD EX-180	180	205	630	520	4x7
PFD EX-200	200	225	630	640	4x9,5
PFD EX-250	250	275	630	640	4x9,5
PFD EX-315	315	352	630	640	8x9,5
PFD EX-355	355	392	730	640	8x9,5
PFD EX-400	400	438	730	750	8x9,5
PFD EX-450	450	488	1000	750	8x9,5
PFD EX-500	500	538	1000	750	8x9,5
PFD EX-560	560	600	970	970	12x9,5
PFD EX-630	630	670	964	960	12x9,6

**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]
PFD EX-160/4	1300	1100	75	0,12	1400	0,5	0,55	58	23
PFD EX-200/4	1900	1440	100	0,18	1400	0,63	0,72	60	33
PFD EX-250/4	2400	1800	120	0,25	1400	0,71	0,78	61	29
PFD EX-315/4	3640	2520	180	0,37	1400	0,98	1,1	67	36
PFD EX-315/4D	4950	4300	200	0,55	1400	1,5	1,55	71	36
PFD EX-355/4	7560	5700	325	0,75	1400	1,9	1,85	69	60
PFD EX-400/4	9900	6600	375	1,1	1400	2,7	2,7	72	90
PFD EX-450/4	11700	8100	450	1,5	1400	3,4	3,5	77	115
PFD EX-500/4	15370	10800	610	2,2	1400	4,8	4,7	82	120
PFD EX-500/4D	19440	11700	680	3	1400	6,9	6,5	82	125
PFD EX-560/4	21600	14400	770	4	1400	8,3	8,6	82	144
PFD EX-560/4D	27720	16200	950	5,5	1400	11,1	11,6	82	150
PFD EX-630/4	36000	21000	900	7,5	1400	15	14,4	87	167
PFD EX-315/6D	3200	2700	100	0,25	900	0,85	0,93	48	36
PFD EX-355/6	4780	3670	135	0,25	900	0,85	0,93	53	59
PFD EX-400/6	6360	4260	156	0,37	900	1,2	1,24	58	90
PFD EX-450/6	7520	5220	187	0,55	900	1,65	1,76	62	115
PFD EX-500/6	9880	6840	254	0,75	900	2,1	2,1	66	119
PFD EX-560/6	20520	14400	280	1,5	900	4,1	3,95	76	144
PFD EX-140/2	680	500	200	0,12	2800	0,47	0,4	58	14
PFD EX-160/2	1250	900	250	0,18	2800	0,5	0,54	60	15
PFD EX-160/2D	2000	1300	350	0,25	2800	0,7	0,74	68	16
PFD EX-180/2	2500	1800	450	0,55	2800	1,4	1,4	75	26
PFD EX-200/2	3600	2300	520	1,1	2800	2,5	2,5	80	35
PFD EX-250/2	5000	2700	670	1,5	2800	3,3	3,1	87	38
PFD EX-315/2	9900	5600	950	2,2	2800	4,7	4,55	89	43

\*\*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

**EXPLOSION-PROOF ROOF FANS  
 PFD EX**



