



Ability to change the direction of air flow  
 by turning the fan module\*



**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):**

CE II 2G Ex h IIB T3 Gb

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

CE II 3G Ex h IIB+H2 T3 Gc

CE II 3D Ex h IIB T120stC Dc

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

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

**Construction:**

fan module:

- DWR EX-315÷DWR EX-560C - steel painted with antistatic paint.
- DWR EX-560D÷DWR EX-800 - chromium-nickel steel.

Rotor:

- DWR EX-315÷DWR EX-560C - antistatic plastic.
- DWR EX-560D÷DWR EX-800 - chromium-nickel steel.

Outlet dome: powder coated steel.

Motor: explosion-proof electric (three-phase).

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

- to zone 1 for speed regulation

Typ	Dimensions				
	ØD	ØD1	ØA	B	n x Ød
	[mm]	[mm]	[mm]	[mm]	[mm]
DWR EX-250	250	275	400	500	4x9,5
DWR EX-315	315	352	500	500	8x9,5
DWR EX-350	355	392	560	530	8x9,5
DWR EX-400	400	438	630	560	8x9,5
DWR EX-450	450	488	700	590	8x9,5
DWR EX-500	500	538	785	640	8x9,5
DWR EX-560	560	600	880	710	12x9,5
DWR EX-630	630	670	990	810	12x9,5
DWR EX-710	710	750	1115	880	12x9,5
DWR EX-800	800	840	1260	990	16x9,5

\*On request, for an additional fee, the fans are made in a typical supply version (additional roofing).

In the case of facilities requiring high tightness, ventilation systems should be equipped with a drip tray or other condensate drainage system.

**Technical data:**

Typ	Efficiency MAX	Pressure MAX	Input power	Highest speed	Rated Current ** 3x400V 2G	Rated Current ** 3x400V 3G/3D	Noise*	Weight
	[m <sup>3</sup> /h]	[Pa]	[kW]	[obr./min]	[A]	[A]	[dB(A)]	[kg]
DWR EX-315/4	2000	95	0,25	1400	0,8	0,78	54	30
DWR EX-355/4	3150	115	0,25	1400	0,8	0,78	55	33
DWR EX-400/4	3800	126	0,25	1400	0,8	0,78	57	35
DWR EX-450/4	4900	152	0,37	1400	1,3	1,1	59	44
DWR EX-500/4	6000	175	0,37	1400	1,3	1,1	61	47
DWR EX-560A/4	7300	220	0,55	1400	1,6	1,55	62	69
DWR EX-560C/4	10300	240	1,10	1400	2,7	2,7	67	74
DWR EX-560D/4	12200	430	1,50	1400	3,7	3,5	68	79
DWR EX-630/4	14700	257	2,20	1400	5,2	4,7	72	105
DWR EX-710/4	21600	370	3,00	1400	6,9	6,5	77	155
DWR EX-800A/4	27000	560	4,00	1400	8,3	8,6	77	184
DWR EX-800B/4	29000	580	5,50	1400	11,1	11,6	79	192
DWR EX-560D/6	6600	85	0,55	900	1,65	1,76	58	74
DWR EX-630/6	8820	110	0,75	900	2,1	2,1	62	96
DWR EX-710/6	11600	160	1,10	900	3	2,8	66	145
DWR EX-800/6	16100	190	1,50	900	4,1	3,95	68	172
DWR EX-250/2	1900	110	0,25	2800	1	0,74	61	27
DWR EX-315/2A	3200	170	0,37	2800	1,15	1	69	33
DWR EX-315/2B	3950	225	0,75	2800	1,7	1,8	72	35
DWR EX-355/2A	5000	240	0,55	2800	1,4	1,4	74	33
DWR EX-355/2B	5500	280	1,1	2800	2,45	2,5	76	36
DWR EX-400/2A	6800	290	1,5	2800	3,3	3,1	79	40
DWR EX-400/2B	8400	370	2,2	2800	4,6	4,55	81	41
DWR EX-450/2A	10600	500	2,2	2800	4,6	4,55	83	46
DWR EX-500/2A	13600	575	3,0	2800	6	6,1	85	52

\*\*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.





