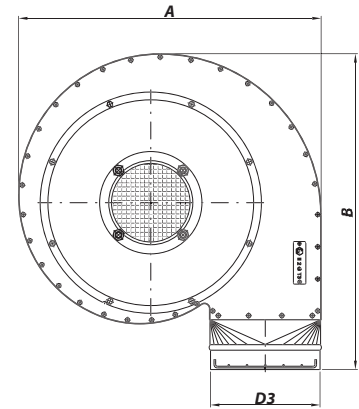
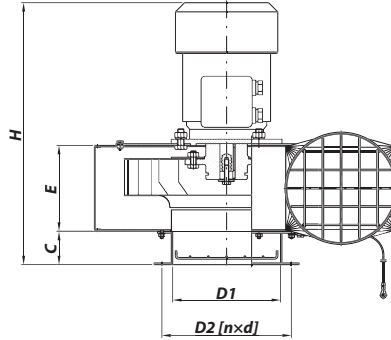




**II 2G T3**


## Application

WP-E/Ex flange type fans are designed for use in areas of explosion risk, where can occur explosive atmosphere, i.e. mixture of flammable substances in form of gases, vapours and mists with the air. Due to increased pressure it is possible to apply the fans with local exhausts and with the filtering units and also with a ventilation system of significant resistances. They are installed on wall brackets inside the rooms.

## Structure

The fan consists of:

- spiral housing,
- explosion-proof motor,
- radial impeller, mounted directly on the motor shaft,
- flange to install the fan,

The basic elements of the fan (housing, impeller, flange) are made of non-magnetic stainless austenitic steel whereas the motor hood is made of aluminium plate. The whole fan is in a natural colour of stainless steel.

Type	D1	D2	nxd	D3	A	B	C	E	H
	[mm]								
WP-3-E/Ex	125	155	6xØ6.5-co 60°	125	382	410	50	129	375
WP-5-E/Ex	160	194	6xØ6.5-co 60°	160	478	485	60	141	419
WP-7-E/Ex	160	194	6xØ6.5-co 60°	200	517	547	60	154	455
WP-8-E/Ex	200	224	8xØ8.5-co 45°	200	547	571	60	155	474
WP-9-E/Ex	200	224	8xØ8.5-co 45°	200	610	612	60	155	500
WP-10-E/Ex	250	274	8xØ8.5-co 45°	250	613	645	60	233	662
WP-11-E/Ex	250	274	8xØ8.5-co 45°	250	633	665	60	233	662

## Technical data

Type	Part №.	Supply voltage [V]	Synchronous rotations [1/min]	Motor rate [kW]	Rated current [A]	Noise level [dB(A)] from distance		Ingress protection IP	Weight [kg]
						1 m	5 m		
WP-3-E/Ex II 2G T3	808W40	3x400	3000	0,37	1,0	65	57	54	13
WP-5-E/Ex II 2G T3	808W41	3x400	3000	0,55	1,4	65	58	54	18
WP-7-E/Ex II 2G T3	808W42	3x400	3000	1,1	2,4	74	66	54	24
WP-8-E/Ex II 2G T3	808W43	3x400	3000	1,5	3,5	76	68	54	32
WP-9-E/Ex II 2G T3	808W44	3x400	3000	2,2	4,7	77	70	54	40
WP-10-E/Ex II 2G T3	808W45	3x400	3000	4,0	7,5	78	72	54	71
WP-11-E/Ex II 2G T3	808W46	3x400	3000	4,0	7,5	80	74	54	73

1. Maximum temperature of the forwarded air +60°C. Maximum temperature in the work area +40°C.

2. Maximum dustiness of the transported air should not exceed 0,3 g/m<sup>3</sup>.

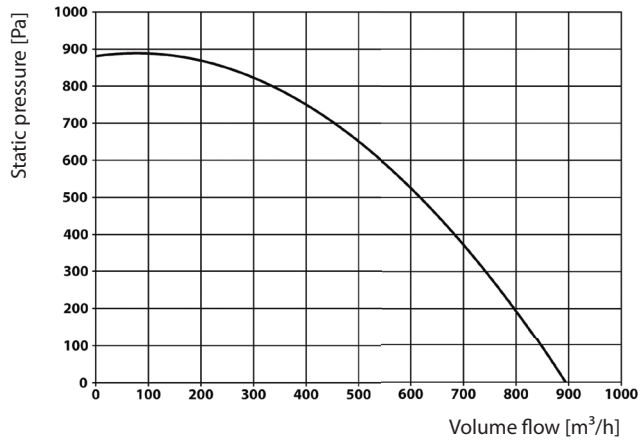
3. Noise level was measured:

- at the maximum volume flow,

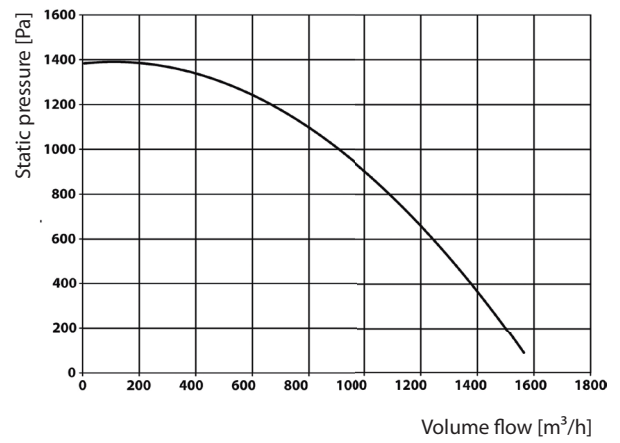
- with the attached silencer type TK at the inlet and outlet (length of the silencer 370 mm for WP-3-E/Ex and 1000 mm for the other fans).

**Flow charts**

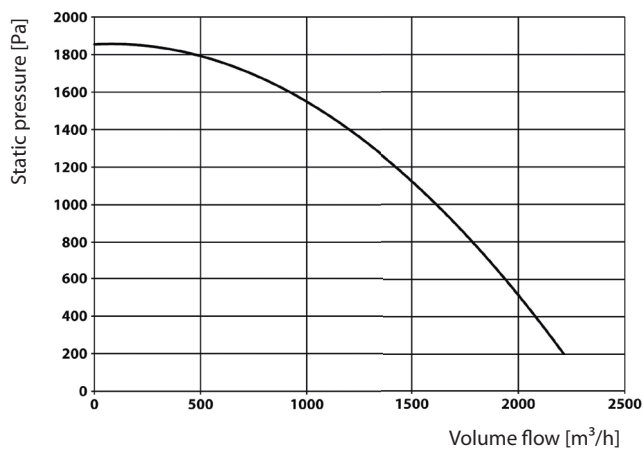
WP-3-E/Ex



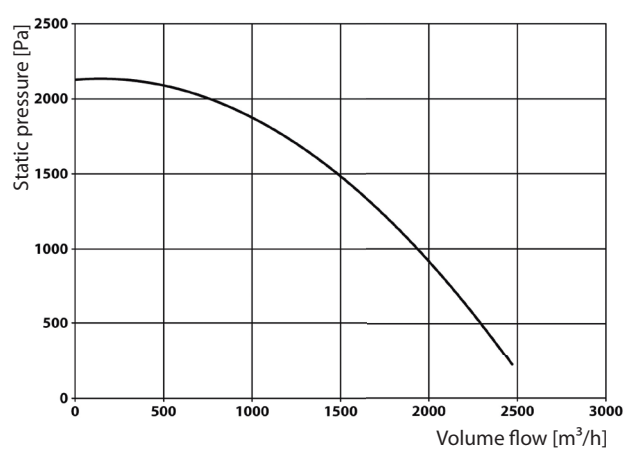
WP-5-E/Ex



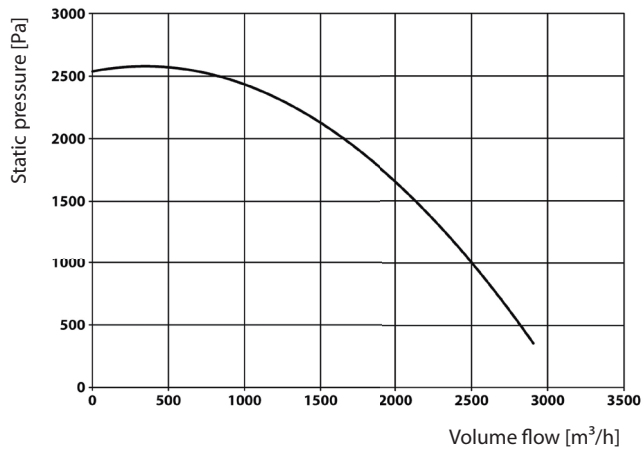
WP-7-E/Ex



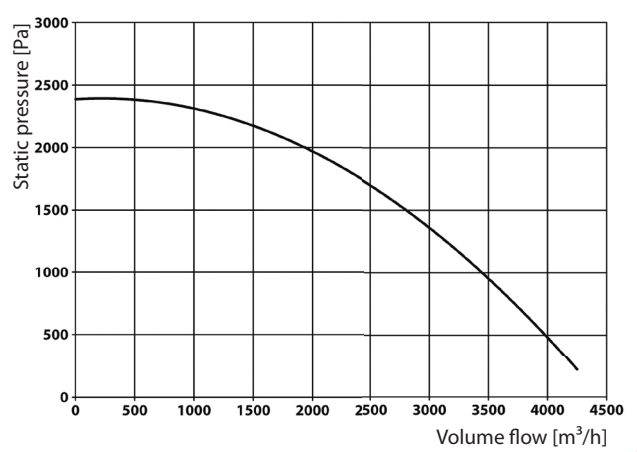
WP-8-E/Ex



WP-9-E/Ex



WP-10-E/Ex



WP-11-E/Ex

