

Explosion-proof stationary fans WPW-3/Ex



 II 2 G T3

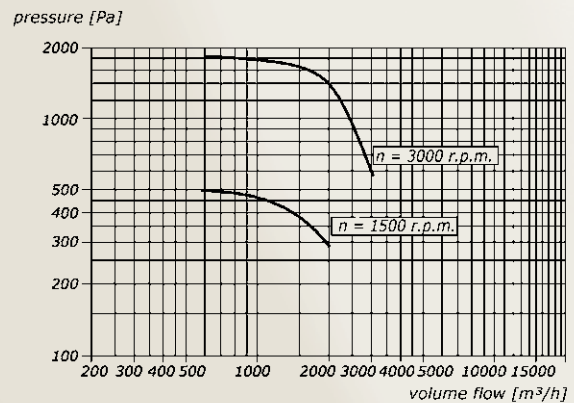
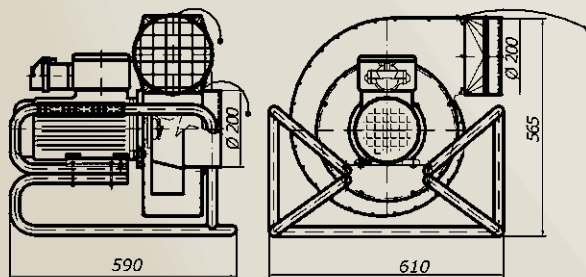
Application

They are designed for use in areas of explosion risk, where explosive atmosphere can occur, i.e. mixture of flammable substances in a 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.

Structure

The WPW-3/Ex fan consists of a steel housing, brass radial impeller and explosion-proof motor placed in a frame of vibro-absorbing properties. The impeller is mounted directly on the motor shaft. The inlet and housing are equipped with copper cables to lead the electrostatic charges away.



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Technical data

Type	Part №	Type of the motor	Supply voltage [V]	Synchronous rotations [1/min]	Motor rate [kW]	Rated current [A]	Noise level [dB(A)] from distance		IP	Weight [kg]
							1 m	5 m		
WPW 3/Ex/3000 II 2 G T3	808W36	Indukta EEx II Sh 90S-2-T3 wg	3 × 400	3000	1,5	3,5	83*	76*	54	34
WPW 3/Ex/1500 II 2 G T3	808W37	Indukta EEx II Sh 90S-4-T3 wg	3 × 400	1500	1,1	2,7	72	68	54	34

* Noise level was measured with attached silencers TK-200-500 at the inlet and outlet.

1. Maximum temperature of the conveyed air +60°C. Maximum temperature in the work area +40°C.
2. The fans can be applied for transporting the dry air of maximum dustiness 0,3 g/m³.