

WPA-BOX

FAN CHAMBER

APPLICATION

- designed for use in installations of air-supply mechanical ventilation and air extraction systems of rooms and workplaces
- installations of high flow resistances, e.g. local exhausts, exhaust extractors, complicated air-supply and extraction systems
- application with filtering units
- conveying the air of temperature up to 60°C and dustiness not exceeding 0,3 g/m³, without viscous, aggressive pollutants and contamination creating explosion hazard

FEATURES

- medium-pressure radial fan
- spiral steel housing
- aluminium impeller with blades of airplane wing section profile
- induction motor 230 V or 400 V
- sound absorbing chamber
- vibro-isolating frame
- meets the requirements of ErP 2009/125/EC

ADVANTAGES

- high disposable pressure
- series of wide range of parameters
- optimum acoustic pressure level
- possibility of volume flow adjustment by means of frequency converter (concerns motors of 3x400 V voltage)



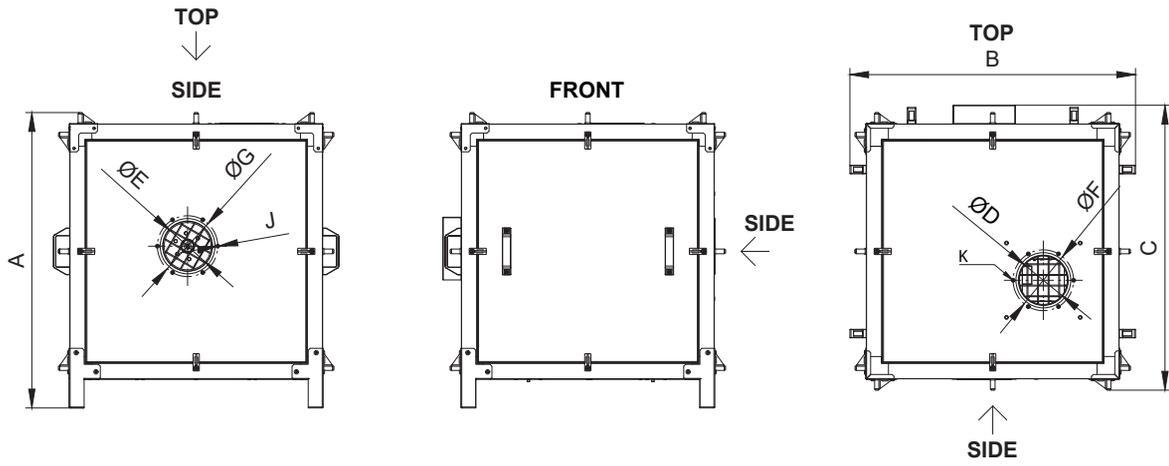
TECHNICAL DATA

Type	Part No.	Synchronous rotations [1/min]	Supply voltage [V]	Motor rate [kW]	Motor ingress protection IP	Acoustic pressure level [dB(A)] from distance*:		Maximum volume flow [m ³ /h]	Maximum vacuum [Pa]	Weight [kg]
						1 m	5 m			
WPA-BOX-13-3	814K41	3000	3x400	7,5	54	77	63	10 800	3300	318
WPA-BOX-14	814K49	3000	3x400	15	54	80	71	23 100	4000	530

* Measurement has been carried out in systems with application of silencers type T-WPA BOX installed at the inlet and outlet of the chamber.

1. Maximum temperature of the conveyed air +60°C. Maximum temperature in the work zone +40°C.

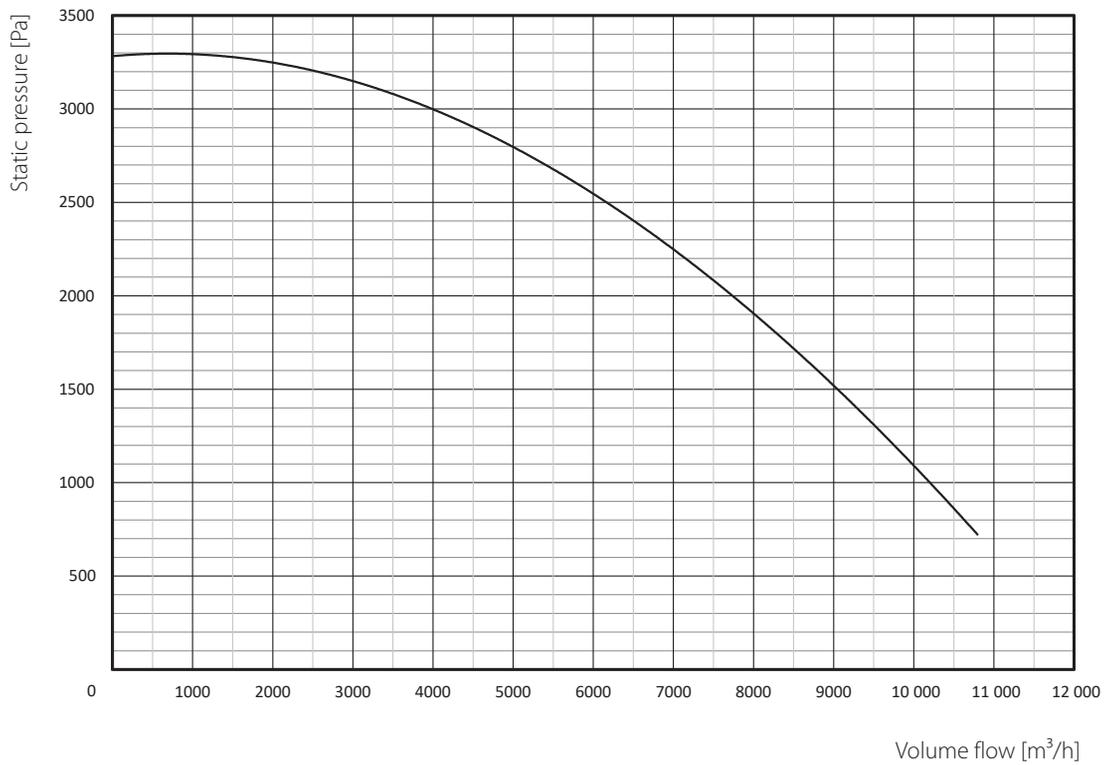
2. Maximum dustiness of the conveyed air should not exceed 0,3 g/m³.



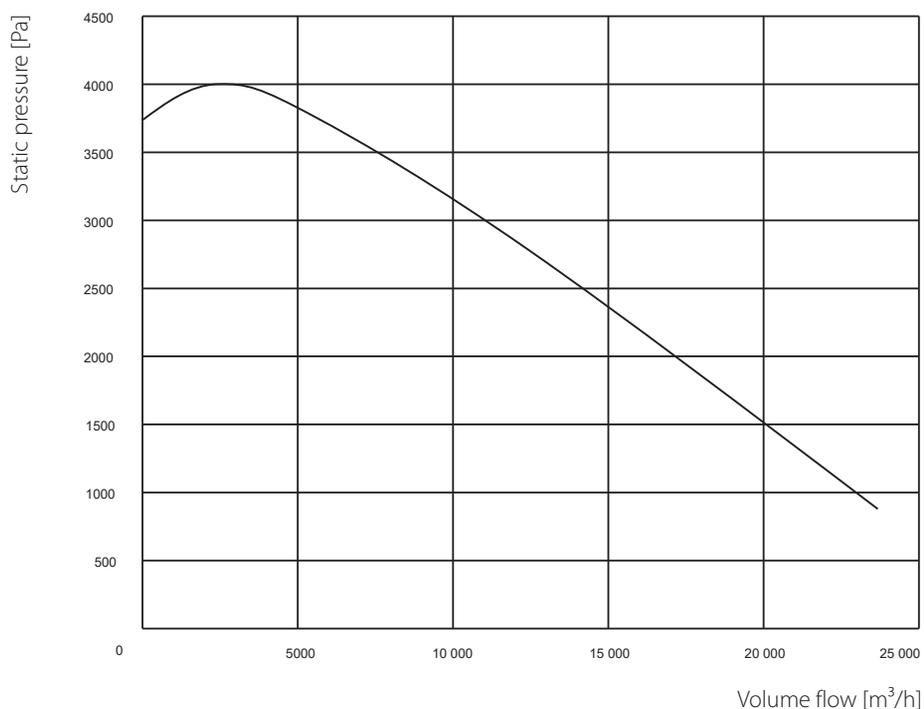
DIMENSIONS

Type	A [mm]	B [mm]	C [mm]	Diameter of connectors		Pitch diameter of the hole pattern of the connector		K [mm]	J [mm]
				ØD [mm]	ØE [mm]	ØF [mm]	ØG [mm]		
WPA-BOX-13	1329	1336	1336	315	315	344	344	M8	M8
WPA-BOX-14	1641	1605	1666	400	400	430	430	M8	M8

WPA-BOX-13

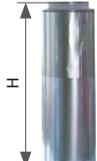


WPA-BOX-14



ADDITIONAL EQUIPMENT

SILENCER

	Type	Part No.	Inlet [mm]	Outlet [mm]	Height H [mm]	Equipment of the fan chamber	Remarks
	T-400 WPA-BOX	830T29	315	400	1300	13	The set consists of a reducer, silencer, silencer support. The set is installed at the inlet- and outlet connector of the WPA-BOX fan chamber.
T-500-WPA-BOX	830T37	400	500	1300	14		

AIR DISCHARGE

	Type	Part No.	Diameter inlet/outlet/height [mm]	Weight [kg]
	E-400	842W40	400/400/900	18
	E-500	842W41	500/500/1100	24