



Application

Integrated ventilators are a combination of mechanical ventilation with gravitational (natural) ventilation. Inside the proper ventilator, there is a centrally mounted fan, which, by means of a duct with a mounting flange, can be connected to the mechanical ventilation exhaust system, to the local exhaust hood, etc. The construction allows for gravitational ventilation with one hole in the roof when the fan is stopped. As well as intensify it with his work.

Possible places of application are rooms with high heat and humidity gains, rooms in which continuous natural ventilation should be maintained, but only periodically switched on mechanical ventilation if necessary (e.g. rooms with periodic pollution, warehouses during the operation of internal combustion forklifts, bus depots, etc.).

The fan motor is located in a separate compartment. Degree of protection IP55, suitable for continuous operation and speed regulation. 1-phase motors - voltage regulation, 3-phase motors - frequency converter regulation. Permissible temperature of the pumped medium from -25OC to +60OC. Permissible ambient temperature up to +40OC. Other temperature ranges available on request.

Construction

The housing is made of steel sheet painted with polyester using the oven method. Steel impeller painted with polyester using the oven method. Single or three-phase asynchronous motor.

Technical data:

Typ	Efficiency MAX	Pressure MAX	Input power	Highest speed	Rated Current** 3x400	Noise*
	[m3/h]	[Pa]	[kW]	[obr./min]	[A]	[dB(A)]
WZD-160/315	2000	560	0,25	2800	0,85	68
WZD-160A/315	1300	240	0,12	1400	0,49	58
WZD-250/400	3750	480	0,37	1400	0,98	69
WZD-355/630	7560	510	0,75	1400	1,9	69

**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

Dimensions:

Type	Dimensions											
	ØD	ØD1	ØA	B	ØC	E	ØF	G	H	I	n x Ød	n x Ød1
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
WZD-160/315	160	315	440	670	650	40	185	600	555	475	4 x 12	4 x 7
WZD-250/400	250	400	630	790	650	40	275	705	660	290	8 x 14	4 x 9,5
WZD-355/630	355	630	730	910	850	40	392	1000	950	435	8 x 14	8 x 9,5

Aerodynamic characteristics

