

Series  
**VENTS VP**



Centrifugal ceiling fans with the air flow up to **485 m<sup>3</sup>/h (50 Hz)** up to **531 m<sup>3</sup>/h (60 Hz)** in steel casing with a plastic front panel

■ **Application**

Designed for exhaust ventilation systems of commercial, office and other public or industrial premises with limited space for installation in a false ceiling. Designed for connection to Ø 100 and 125 mm round air ducts.

■ **Design**

The fan casing is made of galvanized steel and the decorative front plate is made of ABS plastic and fitted with a filter. The front plate design ensures easy access to the filter without any tools. The fan is equipped with a backdraft damper to prevent back air flow. The damper blades are opened by air pressure generated by the fan and are closed with a spring.

■ **Motor**

Single phase external rotor motor with a centrifugal impeller and backward curved blades.

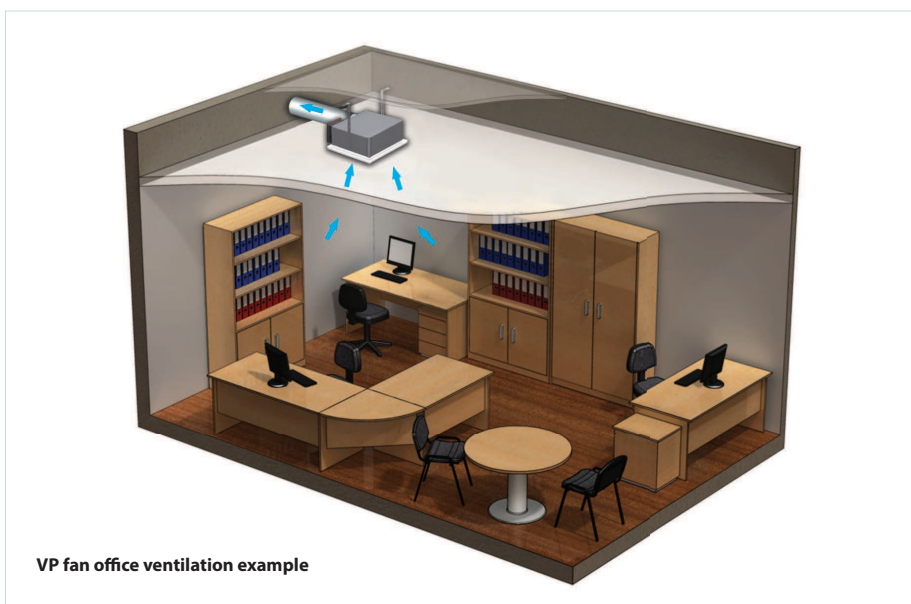
The motor is equipped with built-in overheating protection with automatic restart. The motor ball bearings ensure 40 000 hours service life. For precise features, safe operation and low noise, each impeller is dynamically balanced while assembly. Motor ingress protection rating IP44.

■ **Speed control**

Smooth or step speed control with a thyristor or autotransformer speed controller. Several fans may be connected to one speed controller provided that the total power and operating current do not exceed the rated speed controller parameters.

■ **Mounting**

The fan is mounted between the floor framing and false ceiling with brackets. The distance from the floor framing to the false ceiling may range from 165 mm to 390 mm. The fan is connected to power mains through the external terminal block. Electric connections and installation operations must be in compliance with installation guidelines and wiring diagram.



VP fan office ventilation example

**Designation key**

Series	Flange diameter	Options
<b>VENTS VP</b>	100; 125; 150	<b>K:</b> backdraft damper <b>Q:</b> low-powered motor

**Accessories**



Silencer

Speed controllers

Sensor

**Technical data**

	VP 100 K Q		VP 100 K		VP 125 K Q		VP 125 K		VP 150 K	
Voltage [V]	1~230		1~230		1~230		1~230		1~230	
Frequency [Hz]	50	60	50	60	50	60	50	60	50	60
Power [W]	58	66	61	79	56	58	61	81	112	136
Current [A]	0.28	0.29	0.26	0.35	0.34	0.35	0.26	0.36	0.5	0.6
Max. air flow [m³/h]	170	185	240	250	225	240	310	320	485	531
RPM [min⁻¹]	2300	2570	2500	2730	2300	2570	2500	2740	2465	2550
Noise level at 3 m [dBA]	42	43	47	48	43	44	48	49	52	53
Transported air temperature [°C]	-25...+45		-25...+50		-25...+45		-25...+50		-25...+50	
SEC class	C		C		C		C		C	
Protection rating	IPX4		IPX4		IPX4		IPX4		IPX4	

FAN SERIES VENTS VP

**Fan overall dimensions**

Type	Dimensions [mm]					Mass [kg]	Fig.no.
	∅D	B	H	H1	L		
VP 100 K Q	100	240	160	189	305	3.4	1
VP 100 K	100	240	160	189	305	3.4	1
VP 125 K Q	125	240	160	189	305	3.4	1
VP 125 K	125	240	160	189	305	3.4	1
VP 150 K	149	355	180	215	419	6.5	2

