

VENTS VDK Series



Application

The fan is designed to deliver the air to the furnace of the central-heating solid fuel boiler. May be used for ventilation of premises and processing equipment.

Design

Casing material is steel with polymeric coating. The fan inlet is protected by a grid. The fan outlet is flanged. A gravity damper installed on the outlet side of the fan blocks air access to the boiler when the fan is turned off.

Motor

The impeller with forward curved blades made of galvanized steel is powered by a 4-pole single phase motor with an external rotor. The motors are equipped with built-in thermal overheating protection with automatic restart. The motor is equipped with the ball bearings for long service life. For precise features, safe operation and low noise, each turbine is dynamically balanced while assembling. Motor protection rating IP 44.

Speed control

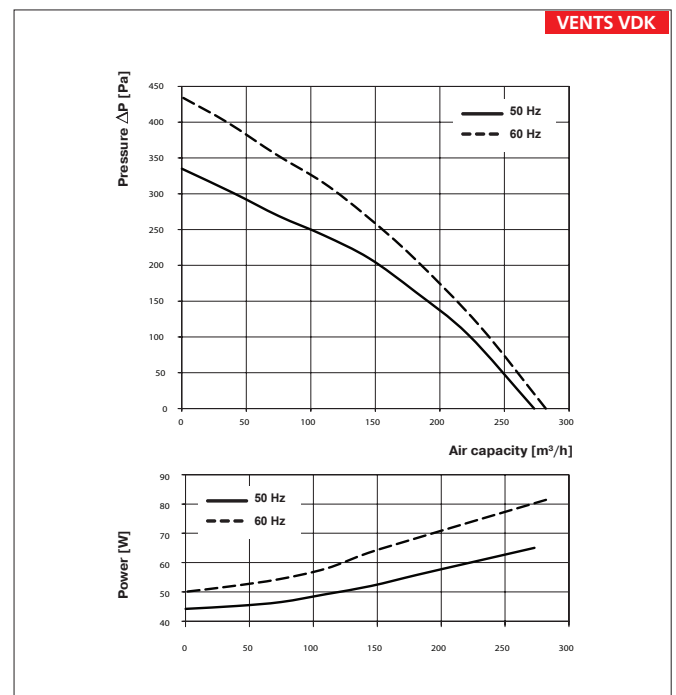
Both smooth and step speed control is performed with the thyristor or autotransformer controller. Several fans can be connected to one controller in case the total power and operating current do not exceed the controller rated values.

Mounting

Fixation with screws to the air duct wall by means of the flange with the sensing element located the air stream. Power is supplied by means of the external terminals. It's advisable to use a gasket between a flange and a boiler to prevent air losses.

Technical data:

	VDK 120 K	
Voltage [V]	1~ 220-240	
Frequency [Hz]	50	60
Power [W]	65	81
Current [A]	0,29	0,35
Max. air capacity [m ³ /h]	273	282
Maximum pressure, Pa	335	435
RPM	2350	2390
Sound pressure level at 3 m distance [dB(A)]	56	57
Maximum transported air temperature [°C]	-15	-15
	+40	+40
Ingress protection rating	IP 44	



Fan overall dimensions:

Model	Dimensions					
	B1	B2	H	H1	H2	L
VDK 120 K	136	76	229	92	50	176

Designation key:

Series	Dimension type	Casing material	Damper
VENTS VDK	120	A - aluminium	K

