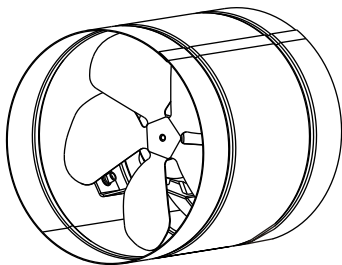


 **DOMOVENT**



USER'S MANUAL

2015

PURPOSE

Domovent VKOM duct axial fans with an impeller diameter from 150 mm up to 315 mm (hereinafter referred to as "fans") are designed to extract the air outdoors or for air supply in the room.

The fans are designed for mounting in the round ducts.

Transported air must not contain dust and other solid impurities, sticky substances and fibrous materials.

Hazardous parts access and water ingress protection rating is IPX4.

DESIGNATION KEY

Domovent **XXX k z YYY**

where **XXX** - the name of the fan

VKOM (Duct axial fan in a metal casing)

k - equipped with a fixing bracket

z - the casing is made of galvanized steel

YYY - the diameter of the impeller is 150 mm, 200 mm, 250 mm, 315 mm.

The fan design is regularly improved,
so some models may differ from those ones described in this manual.

TECHNICAL DATA

The names of the fans, their parameters and connecting dimensions are given in tables 1, 2 and in Fig. 1.

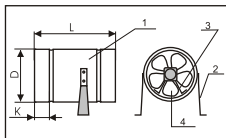


Figure 1

- 1 - casing
- 2 - fixing brackets
- 3 - fixing bracket
- 4 - electric motor with an impeller.

Fan model	Dimensions [mm]			Weight [kg]
	D	L	K	
VKOM 150	161	220	40	1,3
VKOM 200	207	220	40	1,5
VKOM 250	261	270	55	1,7
VKOM 315	318	278	60	2,1

Table 1

Fan model	Air capacity [m ³ /h]	Voltage [V /50 Hz]	Current [A]	Power [W]	RPM	Sound pressure level [dB(A)]
VKOM 150	200	230	0,26	36	1300	33
VKOM 200	405	230	0,28	43	1300	32
VKOM 250	1070	230	0,48	68	1300	48
VKOM 315	1700	230	0,75	110	1300	54

Table 2

DELIVERY SET

Delivery set includes:

- fan (model is given in the user's manual)
- user's manual
- packing box

SAFETY REQUIREMENTS

The fan must be installed by a qualified electrician according to current standards. Disconnect the unit from power supply prior to maintenance and repair operations with the unit.

The fan must be grounded.

Before connecting the unit to power mains make sure that the unit is free of any visible damages of the impeller or any foreign objects inside the casing that can damage the impeller blades.

The fan must be installed at a height of 2 to 3 m from the floor.

WARNING!

Do not operate the fan in flammable and explosive environments.

Eliminate the possibility of gas back flow from devices using gas and open flames.

FAN DESIGN

The fan (Fig. 1) consists of a casing 1 with the brackets 2 attached to it by screws.

The electric motor and the impeller 4 with a counterclockwise rotation are mounted inside the casing using the fixing bracket 3.

The casing has an M4 threaded hole and yellow-green cables for connection to the protective ground circuit.

CONNECTION TO POWER MAINS

The fan must be connected to a single phase mains through a single-pole circuit breaker.

The distance between the circuit breaker contacts must be not less than 3 mm.

Fans' wiring diagram is shown in Figure 2.

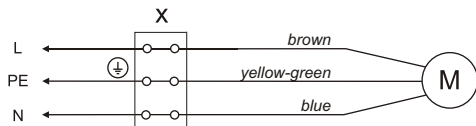


Figure 2

X - terminal block
M - electric motor

MAINTENANCE

Disconnect the fan from power supply prior to technical maintenance.

The technical maintenance includes periodic cleaning of the fan surfaces from dust and dirt.

To remove dust and dirt use a soft brush or a pressed air.

Clean the impeller blades every 6 months.

To clean the impeller blades remove the M4 nut and disconnect the impeller from the electric motor.

Clean the impeller using a detergent solution.

Make sure water does not enter the electric motor.

STORAGE REGULATIONS

Store the fan in the manufacturer's original packing box in a ventilated premise with temperature range from +5°C to + 40°C and relative humidity up to 80 % (with the temperature 25°C).

MANUFACTURER'S WARRANTY

The manufacturer, VENTS Company, hereby warrants normal operation of the fan over the period of 24 months from the retail sale date provided the user's observance of the transportation, storage, installation and operation regulations.

In the event that the sale date stamp is not available warranty period is calculated from the manufacturing date.

In case of failure due to faulty equipment during the warranty period the consumer has the right for the fan replacement.

Contact the Seller for warranty service.

ACCEPTANCE CERTIFICATE

The DOMOVENT VKOM fan is compliant with the technical specifications and is recognized as serviceable. We hereby declare that the product complies with the essential protection requirements of Electromagnetic Council Directive 2004/108/EC, 89/336/EEC and Low Voltage Directive 2006/95/EC, 73/23/EEC and CE-marking Directive 93/68/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility. This certificate is issued following test carried out on samples of the product referred to above.

“DOMOVENT

VKOM _____”

Manufacture Date _____

Sold by _____

Name and Stamp of the Shop

Quality Inspector's Stamp _____

Purchase Date _____