

Dear Customer

Thank you for choosing our product. We are sure that it will fulfil all your expectations. We wish you satisfaction from you choice and trouble-free operation of the fan.

USAGE

Fans are used to force air exchange at the installation site. arw Fans can be used in public spaces (shops, bars, restaurants), lavatories, as well as in residential and industrial buildings (workshops, halls, warehouses, garages). arw fan can be controlled with rotation regulator.

BUILD

The aRwfan is built from

- Single-phase, asynchronous, induction motor, designed for continuous operation.
- formed at a right angel aluminum turbine
- resistant to corrosion and mechanical damage housing made of galvanized steel,

OPERATION

arw fans don't require frequent service. They are designed for continuous operation, and depending on the operating conditions of the fan the service can be done periodically when needed

INSTALLATION

arw fans should be installed:

- directly on the wall (part of the duct)
- in ventilation ducts

The arw fans are adapted for installation in ducts.

After opening the box with the fan one should check the condition of the power supply wire (cuts, cracks of the isolation) the condition of the housing of the fan (dents, deformity) - the turbine shouldn't graze the tunnel

Date on the technical label should be corresponding with the technical parameters of the electrical system.

It is recommended to check the product due to possible damage caused by transport.

REMARWS!!

Installation operations should be performed only after the previous disconnection of the fan from the power supply. If no damage was stated you can proceed to the installation of the at place of destination:

- prepare the electrical connections
- install the fan in the air duct
- put channel on the housing flange
- Tighten the flexible ducts by using clamp and screw driver (so that the clam is placed in extrusions in the housing)
- Connection to the electrical system must be performed by a qualified and certified electrical

MAINTENANCE

In order to clean the fan one should

- disconnect the fan from the power supply
- disassemble the fan
- in case of serious pollution, turbine must be removed with a screwdriver or wrench

wash all of the parts with a damp cloth with a small amount of detergent, taking care not to wet the engine

-after wiping dry of all components, the fan should be re-assembled (the turbine is fixed to the motor pivot thanks to the spacer and expansion-shell bolt, what means that the expansion-shell bolt does not tighten all the way)

- install the fan at the place of destination
- connect the fan to the power supply

Motor Maintenance

The engine should be examined periodically, depending on the conditions under which it operates, but not less frequently than once every two years. A review consists of cleaning and visual inspection of the exterior of the engine, and protecting parts. Review should be made by a person with appropriate qualifications. One should check the following:

- isolation resistance,
- grounding resistance
- condition of the bearings

Attention!

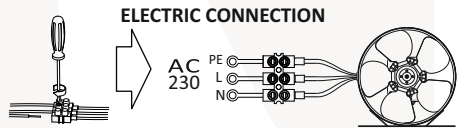
Electrical connection must be performed by a qualified and licensed electrician! Regulation and maintenance operations should be performed only after the previous disconnection of the fan from the power supply. The electrical installation must include a switch in which the distance between the contacts of all the poles should not be less than 3 mm. It requires the absolute grounding of the fan. Precautions should be taken to prevent reverse flow of gases into the room from the open flue or other devices with open fire. arw fans should not be used in rooms containing an increased amount of moisture and as explosion-proof fans. Regulation and maintenance operations should be performed only after the previous disconnection of the fan from the power supply, even if the fan isn't working. It is forbidden to approach the fan while it's operating and if the power supply wasn't disconnected previously. Installation of the arw fan inconsistent with the manual guide as well as the operation of the fan even partially incomplete are not allowed! Always connect the ground wire! Check the rotating direction of the turbine when connected, because the wrong direction will cause the turbine malfunction. In case of damage, repair should be done by a specialist. Check all screw connections before setting the motor in motion.

technical parameters

Model	150	160	200	250	315	350
code	01-106	01-101	01-102	01-103	01-104	01-105
air flow	180 m ³ /h	185 m ³ /h	400 m ³ /h	1000 m ³ /h	1350 m ³ /h	1750 m ³ /h
acoustic pressure	50dB	52dB	54dB	56dB	60dB	66dB
static pressure	35Pa	32Pa	52Pa	72Pa	82Pa	80Pa
supply voltage	220-240V, 50 Hz					
power	32W	32W	40W	86W	110W	110W
engine rotations	1 400	1 400	1 400	1 400	1 400	1 400
current consumption	0,2A	0,2A	0,25A	0,3A	0,4A	0,4A
max work temp	40°C					
weight	1,6kg	1,7kg	1,9kg	2,8kg	3,8kg	4,3kg
protection degree	IPX2					
insulation class	1	1	1	1	1	1

Guarantee

airRoxy's arw duct fans are warranted for a period of two years from the date of purchase. The warranty is valid only with receipt and properly filled in warranty card. It does not cover defects that arise as a result of exposure to chemicals, improper installation.



Guarantee no.: _____

Date of report	Date of repair	Scope of repair	Signature

Model: _____ Serial number:: _____ Date of sale:: _____ Receipt number:: _____ sellers stamp _____ date _____ Service stamp _____	Model: _____ Serial number:: _____ Date of sale:: _____ Receipt number:: _____ sellers stamp _____ date _____ Service stamp _____
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