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download your manual

aRil PRO

Manual guide

DEAR SIR/ MADAM,
Thank you for choosing our product. We guarantee that it shall meet all your expectations. We wish you happiness with the purchased fan and its use.

APPLICATION:
Fans are used to force air exchange at the installation site. aRil fan can be used indoor (workshops, halls, warehouses, garages). aRil fans can be controlled by using the speed controllers.

CONSTRUCTION:
aRil fan is constructed of:
- the inductive, asynchronous, monophasic engine, adjusted to continuous
-the composite radial turbine,
-the housing made of pressed steel sheet with anti-corrosion prottection.

OPERATION:
aRil fans do not require frequent maintenance. They are suitable for continuous opearation and depending on the working conditions of the fan, it can be carried out periodically if necessary.

ASSEMBLY:
aRil fans are assembled on the wall, the ceiling or the prepared frame for round channel installation. Afetr unpacking the fan, check the following:

-the condition of the supply cable (cuts, cracks of insulation),
-the condition of the an housing (dents, distortions)
-the propeller shall not rub against the housing
- The data on the technical label shall correspond to the specificaations of the electrical system. It is recommended to check the condition of the product due to any damage caused in transport.

NOTE!!!
Before installation, disconnect power supply in the electrical system! If there was no damage to the product, you can proceed to installation of the fan at the

-prepare electrical connections,
-mount the fan in the ventilation duct,
-impose the ducts on both sides on the flanges ribbed in the housing,
-tighten the flexible ducts using the terminal clamp and screw driver (so as to put
- connection of the electrical system shall be carried out by qualified personnel with the permissions!

MAINTENANCE:
In order to remove contamination fom the fan:
-disconnect the fan from the power supply
- remove the fan in the event of a serious degree of contamination, emove the turbine by using a screwdriver or a key,
- thoroughly wash all components with a damp cloth with small amount of
- afer wiping dry all components of the fan, re-install them (the method of mounting of the popeller to the engine axis is solved by means of a spacer and a bolt, so spacer and a bolt, so that the bolt is not tigtened all the way)
-install the fan in the destination place
-connect the fan to the power supply

ENGINE MAINTENANCE:
The engine shall be subjected to periodic inspection depending on the conditions of opeaation, but not less equently than once every two years. The inspection includes cleaning and visual inspection of the exterior of the engine and securities. The inspection shall be carried out by a person with the appropriate qualifications.

Check the following:
-resistance of the insulation and windings
-resistance of the grounding
-status of the bearings

ELECTRICAL CONNECTION:

Make sure that the voltage (V) and frequency (Hz) of the power supply correspond to the values indicated on the nameplate. The appliance must be able to be disconnected from the mains electricity supply afer installation. It can be disconnected by making the plug accessible or by in-corporating a switch in the fixed wiring that meets electrical installation standards. The appliance must be permanently connected with wiring for fixed installation. (2- or 3-core cable with a minimum cross-section of 1 mm2 and maximum of 1.5 mm2). To complete the electrical connection, follow the wiring diagram depending on the model that you wish to connect (see fig. 3A, 3C). No earthing connection is required, given that this is a doubly-insulated appliance (Class II). Remove the connection cover as shown in fig. 2. Perforate the flex holder (0) to allow the power supply wires to pass through.

The power supply cable must be placed so that no liquid or va-pour can enter the appliance along it. If this were not possible, the cable entry should be sealed additionally, e.g. with silicone. Otherwise, the indicated IP rating would not be maintained.

This appliance has a one, two or three-speed motor (depending on the model) If you wish to install a mechanical rotation swich that lets you choose between high speed, medium speed and slow speed, see fig. 3A - 3C.

SETTINGS AND OPERATION:
Make the necessary settings according to the installed model. The exhaust fan will turn on if activated by the switch. To complete the installation, make sure that all connections have been made correctly and make sure that the cables are properly placed. Put the cover back in position and make sure it will not be removed without a tool. Make sure that the blades rotate freely.

NOTE
The electrical connection mut be carried out by a qualified electrician with the SEP authorisation! Before carrying out any maintenance operations or adjutments, disconnect the fan from the mains. The electrical system must include an isolating swich, in which the distance between the terminals of all poles shall be not less than 3 mm.

Adequate precautions mut be taken to avoid the reverse flow of gases into the room from the open chimney channel or other devices with an open flame. Do not apply aRil fans in the rooms containing an increased amount of moisture and as the explosion-proof fans. All the maintenance operations mut be carried out afer discconnecting aRil fan from the mains, even if the fan is not running!!! It is not allowed to approach to the fan during operation and without first having disconnected the power supply. It is not allowed to assembly aRil fan in a manner inconsistent with the manual or operate it if it is even partially incomplete! Check the direction of rotation of the impeller, because the wrong direction of the turbine will cause improper operation of the device. In the event of damage, have the device repaired by qualified service. Before starting the engine, check all scew connections.

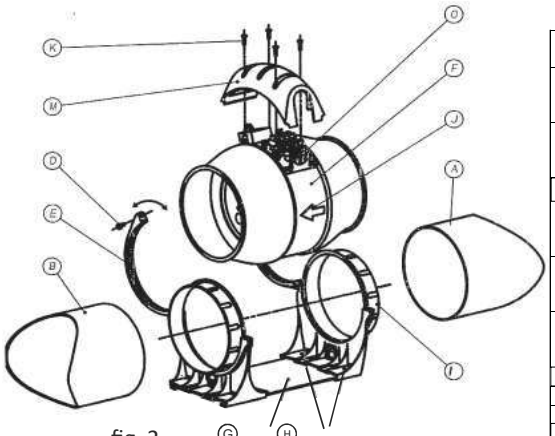


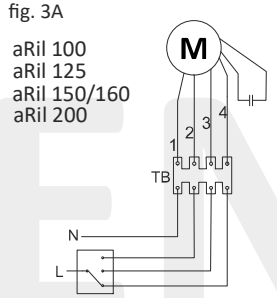
fig. 2

PARAMETER		aRil 100	aRil 125	aRil 150/160	aRil 200	aRil 250	aRil 310
AIR FLOW	m³/h	120 138 198	180 200 280	288 330 432	660 750 870	1200 1470	1680 2220
ACOUSTIC PRESSURE	dB(A)	41 46 56	41 46 56	54 56 63	61 63 68	63 70	63 70
SUPPLY VOLTAGE		220-240V ~50 Hz					
ENGINE ROTATIONS	1/min	1500 1750 2350	1500 1750 2350	1450 1700 2250	1250 2050 2300	2150 2550	1650 2150
POWER	W	18 19 23	20 22 25	34 36 40	95 98 105	134 200	200 290
CURRENT CONSUMPTION	A	0,095 0,10 0,11	0,098 0,102 0,112	0,17 0,18 0,19	0,44 0,45 0,45	0,7 0,9	0,9 1,3
MAX WORK TEMP		-20 ~+60 °C					
WEIGHT	kg	2	2,1	2,9	4,9	7,8	10,5
PROTECTION DEGREE	IP	X2	X2	X2	X2	X2	X2
INSULATION CLASS		1	1	1	1	1	1

ELECTRICAL CONNECTION

fig. 3A

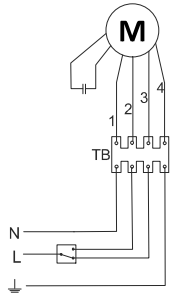
aRil 100
aRil 125
aRil 150/160
aRil 200



1	black (N)
2	blue -high speed
3	brown - medium speed
4	white - lowest speed

fig. 3C

aRil 250
aRil 310



1	red (N)
2	black -high speed
3	white - lowest speed
4	yellow-green (⏚)

Do not dispose of waste electrical equipment with household waste.

The crossed-out wheelie bin symbol on this product means that it is waste of electrical and electronic equipment (WEEE) at the end of its operating life and shall not be disposed with household waste. The crossed-out wheelie bin symbol species that the product is subject to obligatory waste segregation schedules for proper disposal. The product is made from recyclable materials and components. The product user is required to return the product which has become WEEE to a WEEE collection unit. The operators of WEEE collection units, including local WEEE locations, product resellers and other WEEE collection locations managed by local authorities form a proper waste disposal system. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product. Proper WEEE disposal helps avoid harmful eects to humans and the environment from the risk caused by hazardous components this product may contain.

GUARANTEE
aRil duct fan have 2-year guarantee valid from the date of purchase. The guarantee is valid only with a proof of purchase and the properly completed guarantee card. It shall not include defects that caused by external mechanical forces activities, contaminants, own modifications, exposure to chemicals, improper assembly.

Guarantee no:_____

Date of report	Date of repair	Scope of repair	Signature

Model_____ Serial number:_____ Date of sale:_____ Receipt number:_____ sallers stamp date_____ Service stamp	Model_____ Serial number:_____ Date of sale:_____ Receipt number:_____ sallers stamp date_____ Service stamp	Model_____ Serial number:_____ Date of sale:_____ Receipt number:_____ sallers stamp date_____ Service stamp

2 year guarantee

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