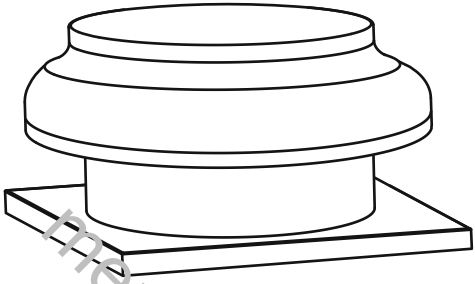


Tower A

Service Instructions

BLAUBERG
Ventilatoren

DESTINATION

A roof axial fan "Tower A" enclosed into metal body, having impeller diameter 200 to 350 mm (hereinafter referred to as "the fan") is intended for use in ventilation systems of housing, public and industrial premises heated during winter.
The air coming out of the fan should not contain dust, other solid admixtures, sticky substances, and fibrous materials.
The ambient temperature should not exceed the limits indicated in Table 1.
The fan should be installed vertically on the output air duct shaft And may be used only for exhaust ventilation.
The fan is designed for long-term operation without disconnecting off the mains.
By the type of protection against electrical shock the fans belong to Class I.
The degree of protection against access to the hazardous parts and water penetration is IPX4.
Type of the climatic modification of the fan is UHL 4.2.

THE BASIC TECHNICAL DATA

The fans' designations, their parameters, connective and mounting dimensions are provided in tab.1, 2 and on fig.1.

NOTES

Design of the fans is being constantly perfected, so some models could differ from the ones, described in this certificate.

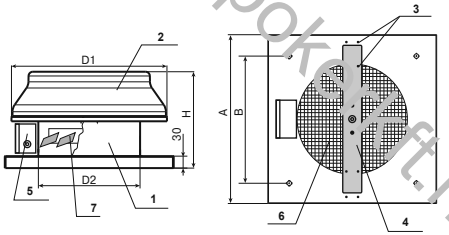
DELIVERY SET

The delivery set includes:
- fan - 1 piece;
- user's manual;
- packaging.

table 1

dia	V/50 Hz	m^3/h	r.p.m.	A	W	dBa,3m	°C,max
Tower A 200 2E	230	860	2300	0,26	60	50	+70
Tower A 250 2E	230	1050	2400	0,40	115	60	+65
Tower A 250 4E	230	800	1380	0,22	45	55	+55
Tower A 300 2E	230	2230	2300	0,66	230	60	+50
Tower A 300 4E	230	1340	1350	0,35	68	58	+60
Tower A 350 4E	230	2500	1380	0,65	130	62	+60

figure 1



Cover 2 is not shown

1 - body;
2 - cover;
3 - self-cutting screws;
4 - bracket;
5 - junction box;
6 - grating;
7 - electric motor with impeller.

table 2

dia	Sizes, mm					Mass, kg
	A	H	B	D2	D1	
Tower A 200 2E	425	250	330	208	345	4,5
Tower A 250 2E	425	280	330	262	405	7,0
Tower A 250 4E	425	280	330	262	405	7,0
Tower A 300 2E	585	340	450	314	555	10,5
Tower A 300 4E	585	340	450	314	555	10,5
Tower A 350 4E	655	350	535	364	555	12,0

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SAFETY REQUIREMENTS

It is necessary to take measures to prevent penetration of black gases into premises through open smoke ducts or other fire-prevention facilities.
Fan installation and connection should be performed by qualified electrician according to effective regulations.

Disconnect fan from the mains prior to maintenance and repair.

Before connection of the fan to the mains it is necessary to ensure that there are no visible damages of impeller, body, grating, as well as foreign objects in the blowing part of the body, which can damage impeller vanes.

ATTENTION: Do not use the fan in the explosive or fire-hazardous environment.

INSTALLATION AND CONNECTION OF THE FAN TO THE MAINS

A fan (fig. 1) consists of a body 1 with electric motor and impeller 7 fixed therein.
Cover 2 and grating 6 are fastened to the bracket 4 by self-cutting screws.
Junction box 5 is fixed at the left side of the body.
It is intended for connecting the fan to one-phase mains and contains operating capacitor.

A fan is fixed on the output shaft by four M10 nuts.

Connection of the fan to the single-phase mains should be through the circuit-breaker incorporated into wiring. The gap between contacts of switch at all poles
should be not less than 3 mm.

A fan should be mounted vertically. Air moving direction should coincide with the direction of the arrow on the fan body.

A fan may be equipped with protective grating at the input side.

Fan connection diagram is shown on fig. 2.

Connecting the fan having single-phase electric motor power line, where M is motor, X is terminal block.

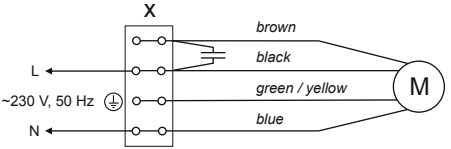

figure 2

MAINTENANCE

Maintenance of the fan should be carried out only after disconnecting it off the mains.

Maintenance comprises periodical cleaning of the surfaces from dust and dirt, when the fan is disconnected off the mains.
To remove the dust, use a soft dry brush or compressed air.
Blades of the impeller require careful cleaning every 6 months.

Loosen the self-cutting screws 3, detach cover 2 and grating 6 from the body 1. Using the water solution of detergent, wash the blades of the fan, avoiding fluid penetration onto the electric motor.

STORAGE RULES

Store the fan in the manufacturer's packaging in an aerated premise at the temperature from +5˚C to + 40˚C and relative humidity of the air of not more than 80 % (at T = 25˚C).

WARRANTY

The manufacturer guarantees normal operation of the fan during 2 years after the date of its sale through network on condition that the rules for its transportation, storage, installation and operation are followed.
In case of any fan's malfunction occurs during the warranty period through the fault of manufacturer, the respective customer shall be entitled to replacement of the fan at the manufacturer's location.
In case of absence of the entry specifying the date of sale, the warranty period is calculated from the date of manufacture.

Warranty replacement is perfomed by Seller.

ATTENTION!

The MANUFACTURER cannot be held liable for damages incurred when using the fan for other purposes than specified or caused by careless mechanical intervention. Please keep to the instructions.

ACCEPTANCE CERTIFICATE

BLAUBERG

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Tower A 200 2E ☐
Tower A 250 2E ☐
Tower A 250 4E ☐
Tower A 300 2E ☐
Tower A 300 4E ☐
Tower A 350 4E ☐

The fan has been duly certified as serviceable.

Date of sale

Manufactured on (date)

Sold

Approval mark