



MANUAL

INDUSTRIAL DUCT FANS FR



General information

1. General information

Thank you for purchasing our product. It is required to read the following instructions for proper use of the device, all information must be followed carefully.

All users of the fan should have free access to manual, in case of its resale manual must be attached to the device.

2. Use

Duct fans are used for ventilation, cooling and heating. They can be used in commercial and industrial places, they are also suitable for home usage e.g. shops, catering services, warehouses, workshops ect.

3. Transport and storage

Fans should be transported and kept in the original package. Store the fans in the original packing in a dry area, protected from the weather, and dirt until final installation.

4. Installation

It is essential to read the following instructions and proceed to the content recommendations. The installation should be carried out by the professional installers, who possess the qualifications to install, assemble and run these types of device.

Before any work, it is obligatory to cut off the current supply. Please check: insulation and winding resistance, ground resistance, bearing condition.

Please check, if the fan should not have been damaged during transport or storage (dent or casing distortions, interruption in junction box, the turbine should not touch the casing, the propeller should not touch the tunnel).

It is essential to check, if the technical data on the data plate comply with the requirements on the electrical system.

If the irregularities have not been identified, you can proceed with the installation:

- Prepare the proper electrical connections
 - Place the fan in the ventilation duct
 - Squeeze flexible ducts using duct clip and screwdriver
 - Tighten the screws
 - Connect the fan to the electrical system
- The connection must comply with the connection scheme.

5. Maintenance

Maintenance should be done once a year or more often, depending on the working conditions. Before any work, it is obligatory to cut off the current supply and secure against switching on.

In order to clean the fan please:

- Disassemble the fan
- Clean all components with the damp cloth, with the greatest care not to wet the engine
- Dry all components
- Assemble the fan
- Connect the fan to the power supply
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6. Safety information

- Fans are intended for transfer the air.
- Do not use the fan in hazardous environment, close to flammable materials or polluted environment.
- The temperature working range -25 to 60 degrees.
- After the turn off, the elements of fan may be warm.
- Non proceeding to the included information may lead to health impairment or threat to life.

Terms of warranty

I. Supplier Reventon Group Sp. z o.o. [Ltd.] 3B Montażowa Street, 43-300 Bielsko-Biała, Poland shall provide 12 months guarantee.

II. Warranty is valid in the European Union.

III. The terms of warranty are valid from purchasing the device (the date issuing a document confirming the purchase of the device) but not further than 18 months from leaving the Reventon Group Sp. z o.o. warehouse.

IV. The defects revealed during the warranty period will be removed free of charge in 14 working days. The service will be done by the installation company due to the terms of included in warranty card. The elements will be supplied by the Reventon Group Sp. z o.o. during the warranty period.

V. Warranty does not cover the parts of the device subject to normal maintenance and the cases as below:

a) Mechanical defects, damages from the impact of the improper transportation or damages through improper storage.

b) Defects through:

- improper usage and service;
- using the device in the improper conditions (too high humidity, too high or too low temperature, impact of the surrounding, sun etc.);

- modified equipment that has been modified or repaired without written agreement of the supplier;

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- connecting additional equipment, which is not recommended by the supplier or inconsistent with the technical documentation;

- improper power supply.

c) Elements which wear and tear such as discolor or using.

VI. All changes in record in the warranty terms or any constructive modifications, independent service outside the Reventon Group service or use, uncaring, makes the warranty not valid.

VII. To obtain the service it is needed to send to Reventon Group Sp. z o.o. warranty card with the signature, document confirming the purchase, (copy of the invoice) and correctly filled the warranty form.

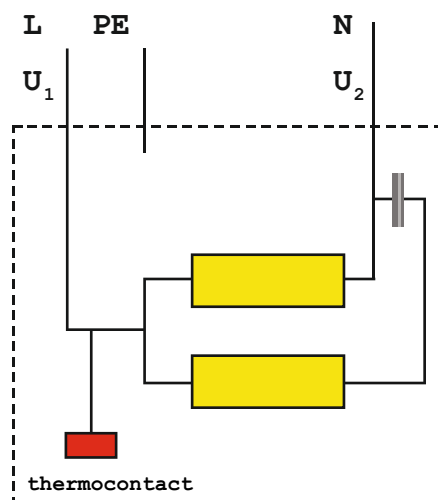
VIII. Not following to any of warranty regulations makes the warranty not valid.

IX. All correspondence, returns, complains should be send to the following address:
Reventon Group Sp. z o.o. 3B Montażowa Street,
43-300 Bielsko-Biała, Poland or
e-mail: serwis@reventongroup.eu

Reventon Group Sp. z o.o. reserves the rights to make changes to the technical documentation without previous notice.

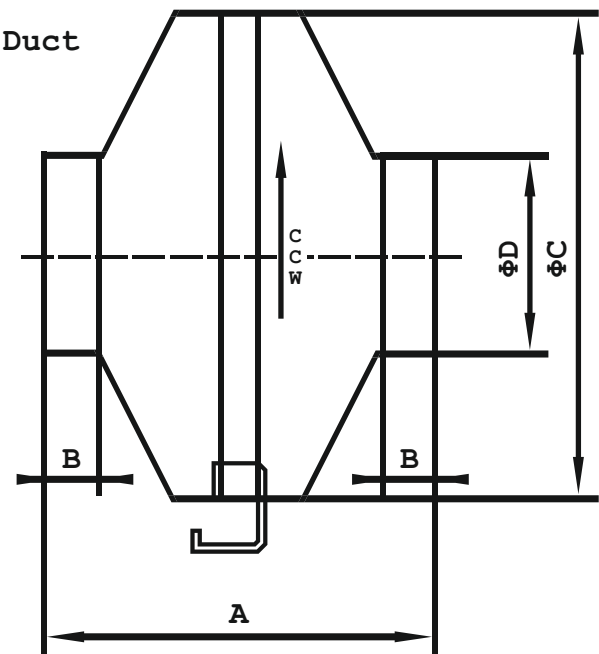
Connection scheme

Single-phase



Dimensions

Preview

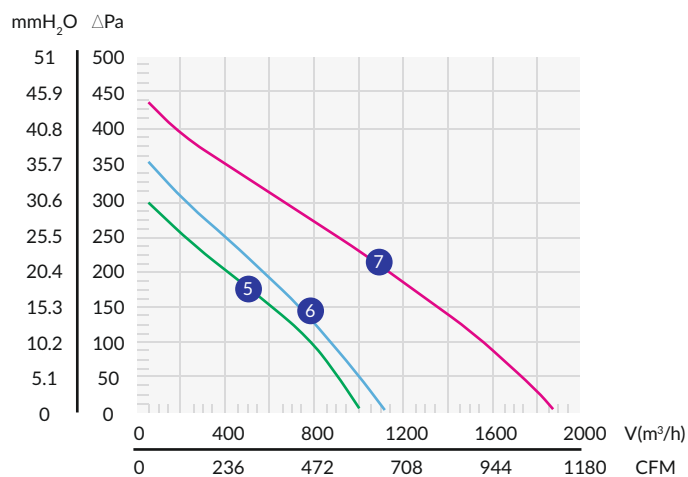
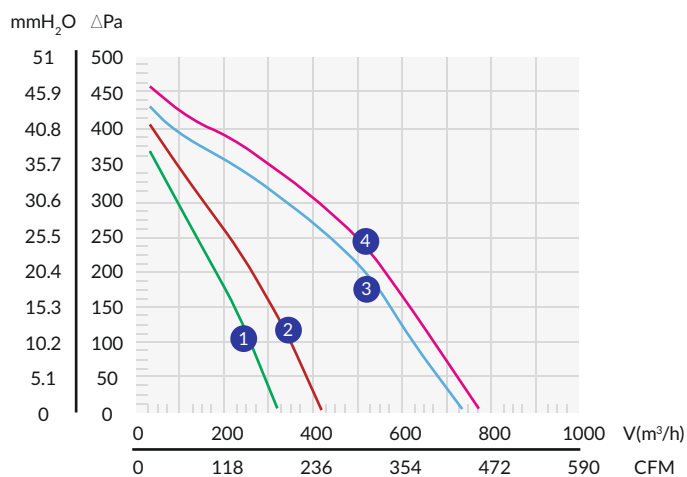


Type	Code	A	B	ΦC	ΦD
FR-100-DF	IDFR100DF	194	23	243	100
FR-125-DF	IDFR1250DF	195	27	243	125
FR-150-DF	IDFR150DF	222	28	333	150
FR-160-DF	IDFR160DF	222	28	333	160
FR-200-DF	IDFR200DF	223	25	333	200
FR-250-DF	IDFR250DF	206	27	333	250
FR-315-DF	IDFR315DF	230	25	401	315

Technical data

Unit of measure		DUCT FAN						
MODEL	FR	100	125	150	160	200	250	315
Voltage	V/Hz	230/50						
Input power	W	57	55	85	85	141	144	220
Rated current	A	0,26	0,26	0,39	0,39	0,65	0,66	0,96
Air flow	m ³ /h	290	405	720	755	1000	1105	1875
Speed	Obr/min	2300	2240	2460	2460	2400	2420	2350
Noise	dBA	47	47	52	52	53	55	56
Capacitor	μ F/ VDB	2/450	2/450	3/450	3/450	3/450	3/450	6/450
Bearings	Ball bearings							
Insulation class	F							
Ambient temperature	°C	(-25) ~ (+ 60)						
Motor protection	°C	150+/- 5						
Type	Sucking							
Temperature increase	°C	<70						
Weight	kg	3	3	3,5	3,5	4	4	8
Insulation class	IP	44						
On the scheme		1	2	3	4	5	6	7

Air flow curve



Warranty card

Factory number of the device:	Address and place of assembly
Stamp and signature of the installation company:	

Warranty form

The company reporting the complaint:	Date of assembly:	Address and place of assembly the device:
	Date and circumstances of noticing the defect:	
The company installing the device:		
Factory number of the device:	Date of declaration the complaint:	
Description of the defect:		
Contact Name and Surname, telephone number/ e-mail address:		

Service card

Date of declaration the complaint	Description of the repair	Service stamp
Date of repair		

Reventon Group [Ltd.] 3B Montazowa Street, 43-300 Bielsko-Biała, Poland

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