



TYWENT®
FABRYKA URZĄDZEŃ WENTYLACYJNYCH OD 1973r.

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TECHNICAL SPECIFICATION

INDUSTRIAL FAN

1. TECHNICAL CHARACTERISTIC:

Industrial fan:

- all-purpose to pumping clean factor or slightly dusty at from -15°C to +40°C, otherwise write in warranty card;
- specially made depending on the needs of the environment use appropriate materials and motors, inter alia for refrigeration, agriculture, etc.;

Fans consist of housing, engine and motor.

Housing can be made from different materials, such as steel, hot-dip galvanized steel, powder coated steel, aluminum, stainless steel.

Rotors may be made of plastic, aluminum, steel, stainless steel. Dynamically generated in class G6,3.

Engines IP and voltage as needed.

Flow characteristic and dimensions types and size hold in catalogs TYWENT Sp. z o.o. and website www.tywent.pl. Connection diagrams engines are in labels stuck on fans (motors). Detailed information is given by technical department TYWENT Sp. z o.o.

2. TRANSPORT

Fans can be transported in cartons, palletization, etc. During transport fans to be protected against mechanical damage and motors against moisture. Cargo must be secured against movement while in motion.

3. STORAGE

Fans should be in a dry place due to the electric motors stored. Fans keep away from corrosive substances and harmful such as: corrosive fumes, dust, gases, etc. Fans should be at from -15°C to +40°C stored and wetness max 80%.

4. OPERATING INSTRUCTIONS AND OSH.

- Fans are parts of the ventilation system in industry and construction.
- Installing fans should be with the system design and construction practices consistent.
- Installing and connect the fan should be to specialized company or qualified person, who knows actually regulations in range of safety and operational made.
- Fan should be from short circuit, overload and loss of power protected.
- Required to connect the protective conductor (grounding or reset) except that, where other means of protection against.
- Fan can be only after proper installation and connection to the electricity grid with appropriate security run.

PRIOR TO INSTALATION CHECK THAT THE:

- fan is not damaged and have been contaminated during transport;
- voltage to the fan engine nameplate matches the voltage of the power supply;

- resistance of insulation between the windings and the housing.

BEFORE YOU START CHECK THAT:

- clean the fan and piping;
- screws and their security;
- impeller does not touch the housing;
- launch does not pose a threat to the security service and others;
- make sure it is effective shock protection;
- connection to the power supply is correct (as indicated on the nameplate);
- if correct safeguards are applied.

ATTENTION: Fan can be started only when the protection against accidental contact with the rotor is consistent with PN-EN-294 for fan with inlet and outlet – was satisfied to install the protective grille. Appropriate protective grilles are available as accessories. Installer and user are responsible for the installation and usage according to safety regulations. Fans that are protected by their nature, do not require the installation of protective grille.

When you start, make sure that the direction of rotation is consistent with the direction of the arrow on the fan housing.

Immediately turn off the fan must be made in cases of severe engine vibration, smoke from the engine, a drop in speed, damage to the electrical system.

NEAR THE FAN SHOULD BE USER'S MANUAL OSH ADAPTED TO LOCAL OPERATING CONDITIONS.

5. OVERHAUL AND REPAIRS

ATTENTION: Fans are subject to periodic review. Before carrying out any work on the fan should be the fan disconnected from the power source in a way that eliminates the possibility of accidentally switching voltage. Time between periodic maintenance intervals depend on engine speed and are given in the DTR motor. For example:

Engine speed to:	Overhaul:
900 RPM/minute	~6500 h
1400 RPM/minute	~7500 h
2800 RPM/minute	~3500 h

Replacement of bearings and other repairs should be right the art or plants ordered. If the survey falls within the warranty period the manufacturer does it at the expense of the user. During the warranty period, user may not make repairs without the knowledge of the manufacturer, because that may void your warranty. If the fan is made to order, should determine the proper conditions of the fan in order (for example in the selection of the proper engine -40°C or +100°C).

6. CONCLUDING REMARKS

Technical data and dimensions of the fan may change during production reserves the right to TYWENT Sp. z o.o.

In the event of technical problems during commissioning or operation of fans, should be in accordance with the warranty card deal. Before deciding to factory shipment, please contact the complaints department TYWENT Sp. z o.o.

Advertised device must have complete documentation (warranty card and proof of purchase copy). It is advisable to include the description of failure and the client's expectations as to the course of proceedings.

ATTENTION: Will not receive the package sent to the TYWENT Sp. z o.o. expense without prior agreement.

WARRANTY CARD – 2 YEARS

Product name and type :.....
Serial number:
Motor type Number motorPower:
Voltage:Current.....RPM
Electrical connectionMedium temperature range:
Sign checksDate of production :

.....
signature and stamp

Products TYWENT Sp. z o.o. are covered in Poland warranty for 24 months from the date of purchase, no more than 36 months from date of production. Warranty only covers physical defects inherent in the device (material or assembly). Not covered under warranty items that have been damaged through the fault of the customers or have normal wear and tear and overt defects.

WARRANTY

1. Damaged equipment must be clean and provide a complete point of sale or factory with warranty card. The warranty card must be accompanied by a copy of proof of purchase.
2. Defects will be corrected within 14 days from the date of delivery of the unit, 30 days from the date of delivery of the unit if it is difficult.
3. Not entitled to warranty if the device has been installed in accordance with specifications and in a place where the working conditions are incompatible with the specified directory.
4. If during the warranty period the customer has made unauthorized alterations or repairs and warranty card lost, customer loses the right to use the warranty.
5. Warranty of customer goods sold does not exclude, limit or suspend the buyer arising from the non-conformity.
6. Complaint must be made immediately after noticing damage.
7. Warranty card is not valid without date, signature and stamps and with amendments and deletions. Void the warranty will break the factory markings prevent identification device.
8. Warranty does not cover products with indications [ZAM.], made the request in accordance with the instructions not covered by the factory test.
9. Does not seem to duplicate the warranty card.

.....
date of sale

.....
signature and stamp
point of sale

ANNOTATIONS REPAIR AND OVERHAUL

No.	Filing date	Date of repair	Extended warranty	Type of repair signature and stamp

NOTE MANUFACTURER