



Turbine PARKANEX 520 m3/h with by-pass

Each turbine is supplied with a thermostat and is designated to force hot air circulation. Distributor turns on when the air temperature flowing through the device reaches the set value and turns off when the temperature is lower than the set value. Turbine can also work constantly. It allows the flow of hot air through long distances by a system of rectangular canals or round pipes. Thanks to the created pressure it is possible to distribute hot air into a couple of rooms at once. Turbine is adjusted to work constantly in a temperature from +20 to +150°C. There is also a possibility of connecting the turbine with an automatic turnover regulator.

Additionally the ATC 520 turbine is supplied with an extra outlet into which a bypass is connected. Bypass protects the fan's engine from thermal damage in case of electricity shortage.



Use:

The fan (turbine) can be used for supplying hot air coming from the insert but also in the air-conditioning system to remove the hot air excess from the air-conditioned space. The fan can work for a long period of time continuously.

Safety regulations:

Fan installation has to be carried out by an authorized electrician in accordance with actual requirements. Service and repair of the fan is carried out strictly only after previous disconnection of the device from the grid. Before switching the fan into the grid it is necessary to make sure whether there are any damages of the rotating wheel or casing and if there are no unwanted objects in the flow part of the casing. While using the fan with DGP system it is forbidden to:

- Install the fan on a flammable material
- Cover the fan
- Build the fan into a wall
- Place inside the fireplace's hood

Installation and connection of the fan:

After unpacking the fan please check the following:

- Condition of the power supply wires (insulation condition)
- Condition of the fan casing (dents, deformations, the rotating wheel cannot touch the casing)

The above mentioned activities are recommended due to the possible damages which can occur during transportation. If none of the mentioned damages are revealed, it is possible to start the fan installation whenever destined. The surface where the fan shall be installed should be perfectly leveled. In order to absorb the vibrations the fan should be installed on a mineral wool basis. Install the air pipes system leading from the fan to the rooms which are about to be heated. Use only metal isolated pipes (canals or aluminum isolated pipes). The distributor should have assured air access. The device cannot be used in dusty spaces (e.g. building conditions).

It is advised to:

- Air filter and reversible valve to be installed on the outlet (reversible valve protects the fan against overheating while it is off).
- Use isolated hot air distribution pipes.
- Connect to earth wiring system.

Fan structure:

The fan is composed of the body, outlets inward and outward (inward and outward outlet diameters should be the same as the ones of the installed pipes), temperature regulator (the temperature regulation range 0-90 °C), tins for connecting the fan into monophase grid. The direction of the airflow should be the same as the direction shown by an arrow on the fan casing. The fan should be installed in a distance no less than 1,5m from the source of heat. Connect the airflow pipes of an adequate diameters with the fan and fasten them with a use of clamp bands.

□Cleaning of the turbine:

□In order to remove any dirt inside the fan you should:

□- Disconnect the fan from the electricity grid.

□- Wait till the fan cools down and reaches temperature of about 25°C.

□- Uninstall the fan.

□Unscrew the casing of the fan, so that there is an easy access to the turbine (fan). Wipe all of the details with a damp cloth, moistened with a little bit of cleaning liquid, be careful and try to avoid putting the liquid on the electric engine, thermostat or wiring system. Next when all of the items are dry it is possible to assemble the casing, install the fan whenever destined and connect it to the wire system.

□Guarantee:

□Producer guarantees a proper work of the fan for the period of 24 months from the selling date on a condition of complying with transportation regulations, storing regulations, installing and exploitation/usage regulations. Lack of stamp with a selling date causes the guarantee being calculated from the production date.

output:	520 m ³ /h
power:	108 W
strength of the electric current:	0,81 A
Voltage:	230 V
size width x height x depth:	28,5 x 65 x 30 cm
rotary speed:	1280 rpm
diameter of the pipes:	150 mm
Regulation range:	0-90 °C
noise level:	42 dBA
temperature range:	+20 / + 150 °C
weight:	9,7 kg