



## Roof fans INTENSIVE 120°C

- 120°C – maximum temperature of the conveyed air
- continuous work
- swinging-up fan housing
- drainage device – to discharge the water, drippings, oil outside the housing

## Purpose

INTENSIVE 120°C fans are adapted for continuous work in the maximum temperature 120°C.

- general ventilation,
- air extraction from above the grates and from fume hoods,
- industrial systems, factories, steelworks

A series of types counts 6 sizes [250, 315, 355, 400, 450, 500, mm] of motor rates ranging from 0,25 up to 4 kW.

Maximum volume flow is 16 000 [m³/h] and maximum static pressure – 1200 [Pa].

## Structure

Outer housing of octagonal shape is made of zinc-coated steel sheet.

As standard, the housing is painted in colour RAL 7001.

Inside, on a supporting structure, is located a motor. The radial impeller is directly mounted at the motor shaft pivot (direct drive).

The housing is equipped with two ducts to discharge the condensate water drippings and oil.

The impeller is statically and dynamically balanced, according to PN-93/N-01359 standard, gaining the class G 6,3.

Appropriate selection of the blades inclination angle guarantees high fan pressure, flow efficiency and, at the same, low acoustic pressure.

Double-action impeller, provides intensive air flow, through the isolated motor chamber.

The motor is located beyond the stream of the flowing air; whereby it is cooled by external air, supplied through a cooling duct.

The fan can be installed on a roof base or on a stable concrete pedestal of square section.

The fans are driven by:

- one-phase motors [INTENSIVE 120°C – 250, 315, 355, 400],
- three-phase motors [INTENSIVE 120°C – 450, 500].

For safety reasons, the fans are (as standard) equipped with a safety switch to cut off the power supply during the installing and servicing activities.

Mainly, the fan construction enables tilting aside the external housing for easy servicing.

## Additional equipment

Additional equipment of the INTENSIVE 120°C fan consists of following elements:

- roof base – PD
- sound absorbing roof base – PDT
- self-activating return damper – SKZ
- flange compensator – KK
- mounting flange – K
- guard wire net – SO
- silencer – KTH
- intermediate plate – PP
- electrical equipment [see section: ELECTRICAL EQUIPMENT].

Equipment has to be selected by User on one's own.