

AFT Series

The "AFT" Series fans are designed for applications requiring very high air flows and medium-low pressures, when it is impossible or unadvisable to couple the impeller direct to the motor.

They are normally used in the presence of:

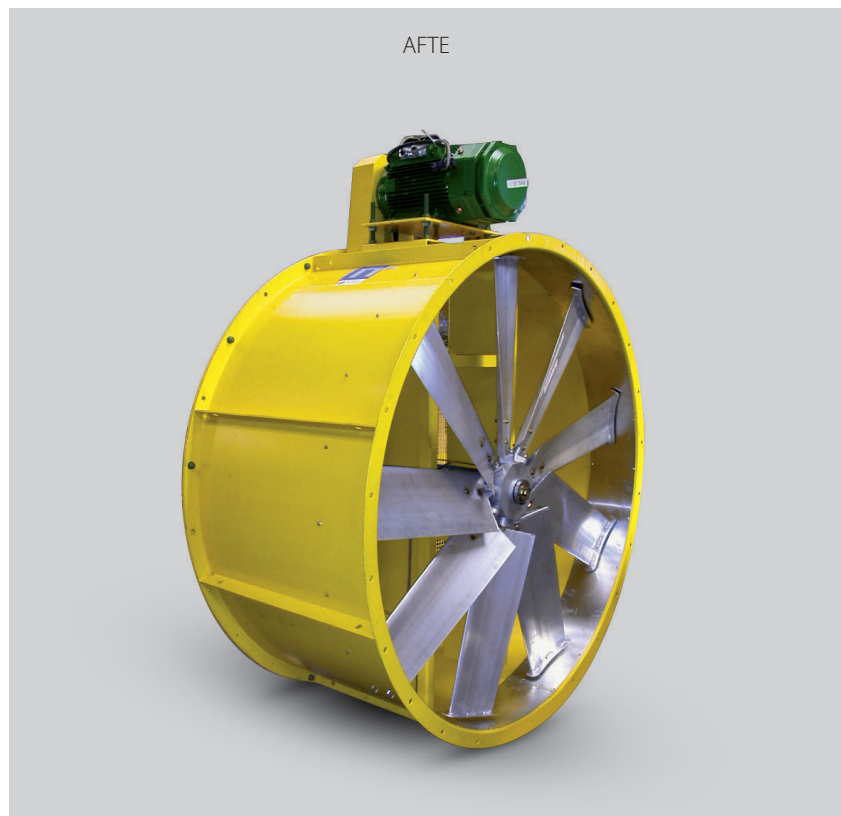
- Large diameters (air coolers, heat exchangers, cooling towers)
- Dusty atmospheres
- High temperatures of the air flow
- Low noise installations
- Need to set the motor outside the air flow for access

Supports and drives are sized by COMET according to criteria based on 20 years of experience and hundreds of installations. For some models the bearing blocks are designed and built entirely by COMET.

The "AFT" Series fans are selected using the COMET's dedicated software, which provides a clear and concise data sheet with operating curves, including electrical and noise level data, as well as preliminary outline drawing. The selection is based on five blade profiles, with number of blades varying between 3 and 12 blades. This versatility gives unrivalled design options when selecting a fan unit.

Applications

- Aircoolers
- Heat exchangers
- Cooling towers
- Condensers
- Ventilation Plants



GENERAL CHARACTERISTICS

- Impellers with aerofoil profile blades in extruded aluminium alloy low-noise type
- Adjustable blade pitch when standstill, or autovariable in operation
- Three-phase motors IP55 with Class F or H insulation, 50/60 Hz, 2-16 pole, from the best European manufacturers
- Casings in carbon steel, electro-welded, with anti-corrosive finishing by hot-dip galvanization
- V-belt or toothed belt drive, with heavy-duty bearing blocks and external grease lines

Wide range of ancillary parts and customizations.

Versions with special materials, special dimension, motors according to customer's specifications.

Impellers in PPG, FRP or fitted with anti-corrosion coatings are available upon request.

Series	Diameter [mm]	Characteristics	Power [kW]
AFTE	800 ÷ 2240	Motor mounted outside the fan and the airflow	0.55 ÷ 45
AFTS	2000 ÷ 4800	With vertical axis, motor mounted under the fan ring on a bridge (for aircoolers)	0.55 ÷ 90
AFTN	1600 ÷ 2240	Motor mounted inside the fan casing, fully enclosed	0.55 ÷ 55

AFTN



AFTS

