

## TFER

- Speed-controllable
- Easy to install
- Maintenance-free and reliable

The TFER models are fitted with a single-inlet centrifugal fan with backward-curved blades and external rotor motors. The TFER range consists of circular roof fans manufactured in powder-coated, galvanised sheet steel, in the standard colours of black or brick red. These fans are supplied with a cable and plug for fast connection to the mains via the connection box on the roof curb TOB or TOS. The clips simplify the connection of the unit to the frame or the roof curb.

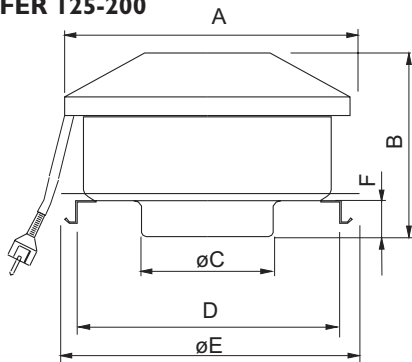
To protect the motors from overheating, the TFER 125 M motor is impedance-protected, while the TFER 125 XL has an integral thermal contact with automatic reset.

These fans are suitable for exhaust-air ventilation systems in single and multiple dwellings, offices and day nurseries.

### Tip

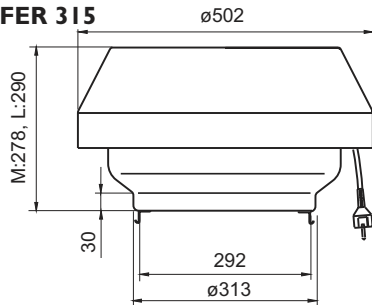
Perfect fan for polluted extract air, for example toilets, small bistros etc.

**TFER 125-200**



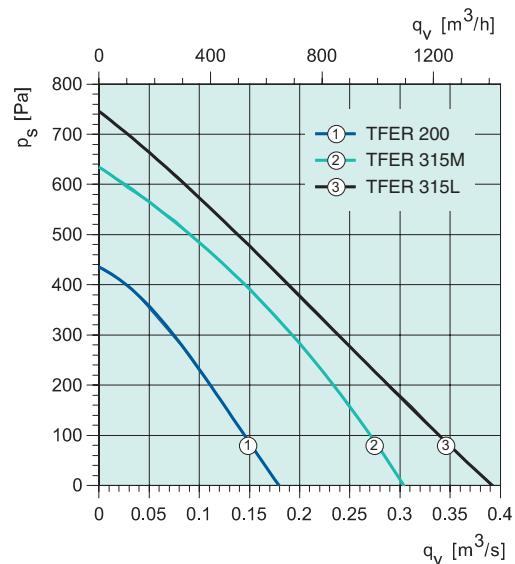
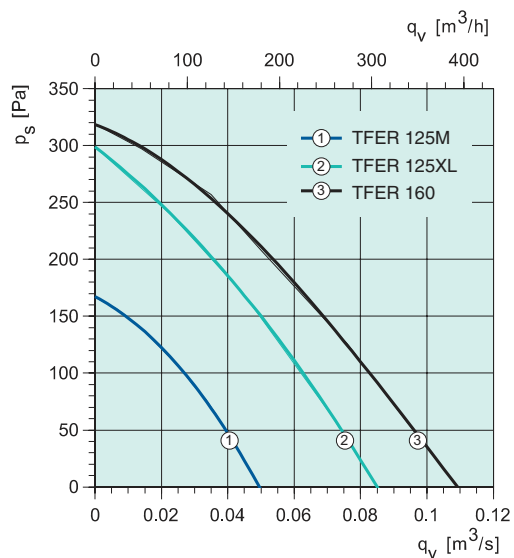
| TFER  | A   | B   | øC  | D   | øE  | F   |
|-------|-----|-----|-----|-----|-----|-----|
| 125M  | 242 | 178 | 124 | 237 | -   | 30  |
| 125XL | 284 | 187 | 124 | 237 | 332 | 20  |
| 160   | 334 | 197 | 158 | 287 | 380 | 28  |
| 200   | 402 | 181 | 198 | 287 | 470 | 300 |

**TFER 315**

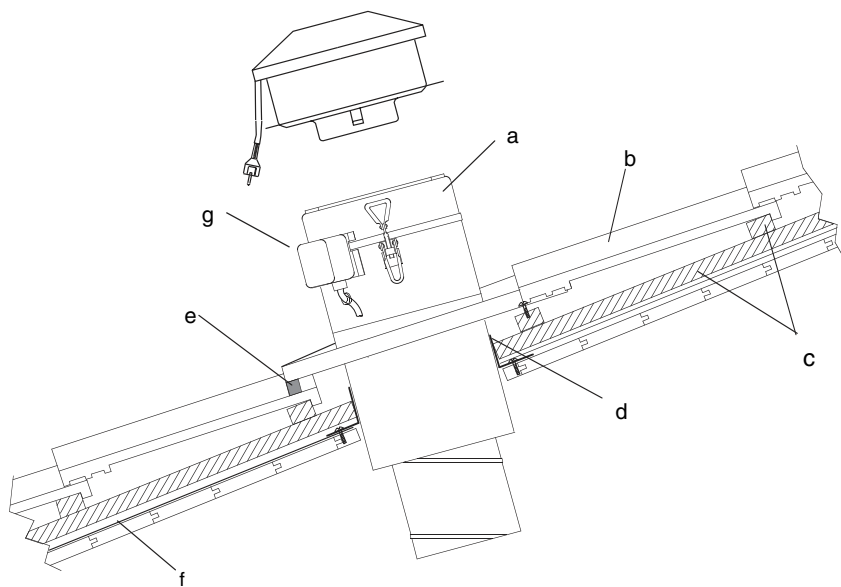


| TFER                            |                   | 125M  | 125XL | 160   | 200   | 315M  | 315L  |
|---------------------------------|-------------------|-------|-------|-------|-------|-------|-------|
| Voltage/Frequency               | V/50 Hz           | 230~  | 230~  | 230~  | 230~  | 230~  | 230~  |
| Power                           | W                 | 32    | 80    | 77    | 109   | 198   | 306   |
| Current                         | A                 | 0.19  | 0.35  | 0.34  | 0.48  | 0.88  | 1.34  |
| Maximum air flow                | m <sup>3</sup> /h | 175   | 305   | 395   | 645   | 1080  | 1405  |
| R.p.m                           | min <sup>-1</sup> | 2435  | 2310  | 2350  | 2550  | 2595  | 2300  |
| Max temp. of transported air    | °C                | 60    | 70    | 70    | 70    | 55    | 40    |
| Sound pressure level at 4/10 m* | dB(A)             | 24/16 | 34/26 | 31/23 | 36/28 | 51/43 | 54/46 |
| Weight                          | kg                | 2.5   | 3.5   | 4     | 5.5   | 7.5   | 9     |
| Enclosure class, motor          | IP                | 44    | 44    | 44    | 44    | 44    | 44    |
| Capacitor                       | µF                | -     | 2     | 2     | 3     | 5     | 7     |

\* L<sub>WA</sub>-23/31 dB(A) = L<sub>pA</sub> at free field and 4/10 m distance to the fan. (L<sub>WA</sub> = Sound power level, L<sub>pA</sub> = Sound pressure level)



## How to install TFER



- a. TOB/TOS roof curb
- b. Roof cladding
- c. Batten
- d. TUB lower plate
- e. Sealing tape
- f. Roofing felt
- g. Connection box

## Speed controllers

|                | Transformer    | Thyristor |
|----------------|----------------|-----------|
| TFER 125M-315M | RE 1.5/REU 1.5 | REE1      |
| TFER 315L      | RE 1.5/REU 1.5 | REE2      |

No need for external motor protection.

Other accessories, page 50.