



### Application

Duct fans are used in supply and exhaust systems. Due to their construction, they are mounted directly in rectangular ventilation ducts. As standard, the fans are designed to work at temperatures up to +60°C. ambient temperature up to +40°C. Other temperature ranges available on request. The fan can force slightly polluted air.

### Construction

The fan housing is made of powder coated steel sheet or hot-dip galvanized on request. Powder-coated steel impeller. 3-phase motor with IP55 protection, suitable for speed regulation.

### Technical data:

| Typ       | Efficiency<br>MAX   | Efficiency<br>nominal | Pressure<br>nominal | Input<br>power | Highest<br>speed | Rated Current ** |        | Noise*  | Weight |
|-----------|---------------------|-----------------------|---------------------|----------------|------------------|------------------|--------|---------|--------|
|           |                     |                       |                     |                |                  | 1x230V           | 3x400V |         |        |
|           | [m <sup>3</sup> /h] | [m <sup>3</sup> /h]   | [Pa]                | [kW]           | [obr./min]       | [A]              | [A]    | [dB(A)] | [kg]   |
| PFK-200/4 | 1540                | 1100                  | 140                 | 0,18           | 1400             | 1,5              | 0,63   | 70      | 36     |
| PFK-250/4 | 2160                | 1550                  | 165                 | 0,25           | 1400             | 1,9              | 0,71   | 64      | 41     |
| PFK-315/4 | 3200                | 2300                  | 200                 | 0,37           | 1400             | 2,9              | 0,98   | 74      | 43     |
| PFK-355/4 | 5800                | 3600                  | 340                 | 0,75           | 1400             | 4,9              | 1,9    | 72      | 67     |
| PFK-400/4 | 7100                | 4400                  | 420                 | 1,10           | 1400             | 7,2              | 2,7    | 78      | 102    |
| PFK-450/4 | 9000                | 6120                  | 520                 | 1,50           | 1400             | 9,3              | 3,4    | 80      | 140    |
| PFK-500/4 | 13000               | 9000                  | 600                 | 2,20           | 1400             | -                | 4,8    | 80      | 145    |
| PFK-355/6 | 3250                | 2250                  | 150                 | 0,25           | 900              | -                | 0,85   | 65      | 64     |
| PFK-400/6 | 4500                | 3100                  | 160                 | 0,37           | 900              | -                | 1,2    | 69      | 92     |
| PFK-450/6 | 5450                | 4250                  | 200                 | 0,55           | 900              | -                | 1,65   | 70      | 132    |
| PFK-500/6 | 7920                | 5970                  | 250                 | 0,75           | 900              | -                | 2,1    | 70      | 138    |

\*Measurement at a distance of 4m \*\*Guide values, may change the application depending on the motor used  
 Rated currents are given on the rating plate and in the operating instructions.

### Dimensions:

| Typ     | Dimensions |      |      |      |      | Fan flange |         |      |       |         |      |         |
|---------|------------|------|------|------|------|------------|---------|------|-------|---------|------|---------|
|         | A          | B    | L    | H    | C    | D          | n x a   | b    | e     | n x g   | h    | n x Ød  |
|         | [mm]       | [mm] | [mm] | [mm] | [mm] | [mm]       | [mm]    | [mm] | [mm]  | [mm]    | [mm] | [mm]    |
| PFK-200 | 315        | 600  | 700  | 530  | 351  | 636        | 1 x 250 | 193  | 175,5 | -       | -    | 10 x 10 |
| PFK-250 | 355        | 600  | 800  | 570  | 391  | 636        | 1 x 250 | 193  | 195,5 | -       | -    | 10 x 10 |
| PFK-315 | 400        | 800  | 900  | 620  | 436  | 836        | 3 x 250 | 43   | 218   | -       | -    | 14 x 10 |
| PFK-355 | 500        | 800  | 1000 | 750  | 536  | 836        | 3 x 250 | 43   | 268   | -       | -    | 14 x 10 |
| PFK-400 | 500        | 1000 | 1100 | 800  | 536  | 1036       | 3 x 250 | 143  | 268   | -       | -    | 14 x 10 |
| PFK-450 | 630        | 1100 | 1250 | 930  | 666  | 1136       | 3 x 250 | 193  | -     | 1 x 250 | 208  | 16 x 10 |
| PFK-500 | 630        | 1200 | 1400 | 1020 | 666  | 1236       | 3 x 250 | 243  | -     | 1 x 250 | 208  | 16 x 10 |

