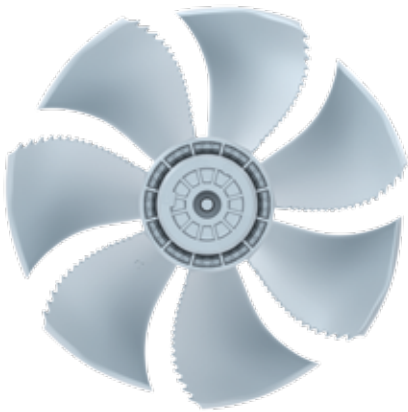


# FE2owlet

for single phase alternating current, 4 pole

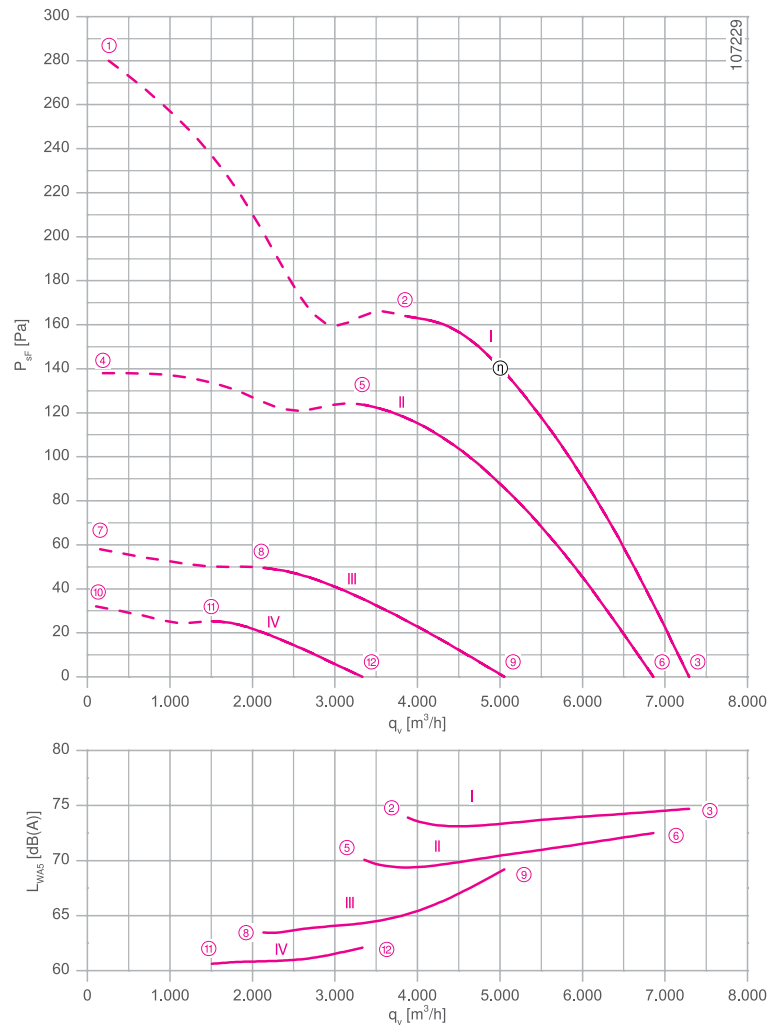
FNO45-4E



## Description

Motor technology: AC  
Rated voltage  $U_N$ : 1~ 230 V $\pm$ 10 %\*  
Rated frequency  $f_N$ : 50 Hz\*  
Input power  $P_i$ : 0.60 kW\*  
Rated current  $I_N$ : 2.90 A\*  
Rated speed  $n_N$ : 1390 min<sup>-1</sup>\*  
Starting current  $I_A$ : 6.50 A  
Current increase  $\Delta I$ : 25 %  
Service capacitor  $C_{400V}$ : 14.0  $\mu$ F  
Thermal class: **THCL155**\*  
Min. permitted ambient temperature  $t_{R(min)}$ : -25 °C  
Max. permitted ambient temperature  $t_{R(max)}$ : 70 °C  
Electrical connection: Terminal box  
Number of blades: 7  
Protection class: IP54  
Motor protection: thermal contact  
Blades: Aluminium, uncoated  
Rotor: Aluminium, uncoated  
Conformity: ErP 2015, CE  
**ErP-data**  
Efficiency  $\eta_{statA}$ : 34.0 %  
Efficiency:  $N_{actual} = 41.8 / N_{target} = 40$ \*\*  
\* Rated data  
\*\*ErP 2015

## Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801

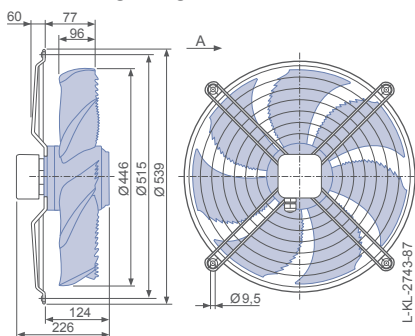
Connection diagram Page 531  
for airflow direction A 1360-104XB  
for airflow direction V 1360-104XA

System components Page 430

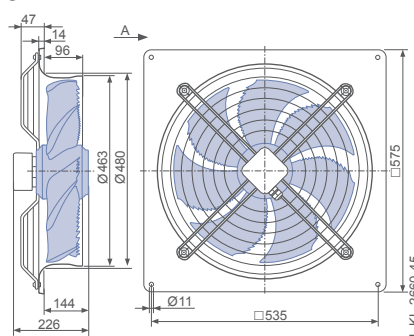
## Dimensions mm

### Airflow direction A

Design W - axial bolted, mounting for short bell mouth, guard grille suction side

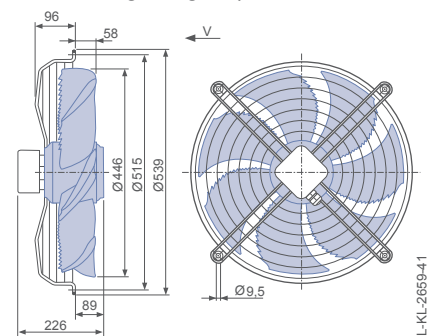


Design Q - square full bell mouth, guard grille suction side



### Airflow direction V

Design K - axial bolted, mounted for short bell mouth, guard grille pressure side



Performance data

| Type            | Characteristic curve | Voltage | Operating point | Current | Input power         | Speed                  | Suction side sound power level |
|-----------------|----------------------|---------|-----------------|---------|---------------------|------------------------|--------------------------------|
|                 |                      | U<br>V  |                 | I<br>A  | P <sub>1</sub><br>W | n<br>min <sup>-1</sup> | L <sub>WA5</sub><br>dB(A)      |
| FN045-4E_4I_7P1 | I                    | 230     | ①               | 3.50    | 740                 | 1350                   |                                |
|                 |                      | 230*    | ②               | 2.90*   | 600*                | 1390*                  | 74                             |
|                 |                      | 230     | ③               | 2.40    | 500                 | 1420                   | 75                             |
|                 | II                   | 170     | ④               | 4.40    | 620                 | 940                    |                                |
|                 |                      | 170     | ⑤               | 3.50    | 540                 | 1200                   | 70                             |
|                 |                      | 170     | ⑥               | 2.70    | 420                 | 1330                   | 73                             |
|                 | III                  | 135     | ⑦               | 3.70    | 390                 | 610                    |                                |
|                 |                      | 135     | ⑧               | 3.50    | 390                 | 760                    | 64                             |
|                 |                      | 135     | ⑨               | 3.30    | 370                 | 980                    | 69                             |
|                 | IV                   | 110     | ⑩               | 3.00    | 250                 | 450                    |                                |
|                 |                      | 110     | ⑪               | 2.90    | 250                 | 530                    | 61                             |
|                 |                      | 110     | ⑫               | 2.90    | 250                 | 650                    | 62                             |

\*rated data

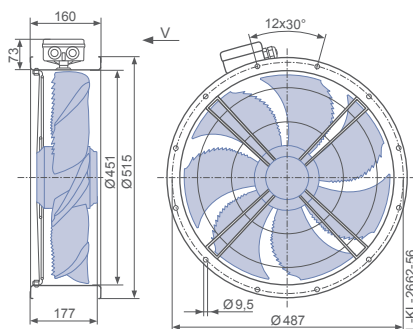
Fan ordering information

| Airflow direction A |                                                                                   |                                                                                   | Airflow direction V                                                               |                                                                                   |                                                                                     |
|---------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Design              | W (guard grille suction side)                                                     | Q (guard grille suction side)                                                     | K (guard grille pressure side)                                                    | F (without guard grille)                                                          | Q (guard grille pressure side)                                                      |
|                     |  |  |  |  |  |
| Type                | FN045-4EW.4I.A7P1                                                                 | FN045-4EQ.4I.A7P1                                                                 | FN045-4EK.4I.V7P1                                                                 | FN045-4EF.4I.V7P1                                                                 | FN045-4EQ.4I.V7P1                                                                   |
| Article no.         | 167870                                                                            | 167871                                                                            | 167804                                                                            | 167872                                                                            | 167874                                                                              |
| Weight kg           | 12.60                                                                             | 16.20                                                                             | 12.60                                                                             | 15.70                                                                             | 16.30                                                                               |

Control technology

|                                                                                                                                       |                                                                                                                                 |                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Frequency inverters<br>Fcontrol 1~<br><br>Page 474 | Motor protection units<br>1~<br><br>Page 518 | Electronic voltage<br>controllers 1~<br><br>Page 492 |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|

Design F - flange ring with two flanges, without guard grille



Design Q - square full bell mouth, guard grille pressure side

