



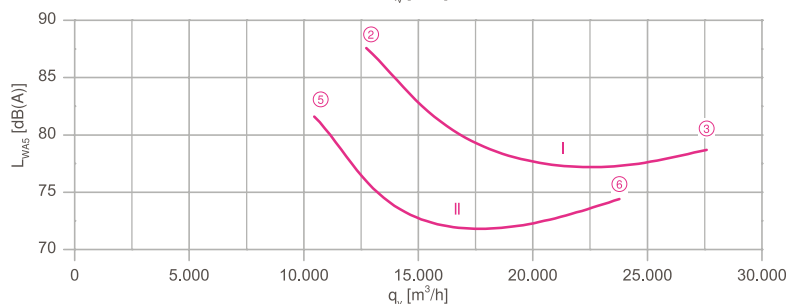
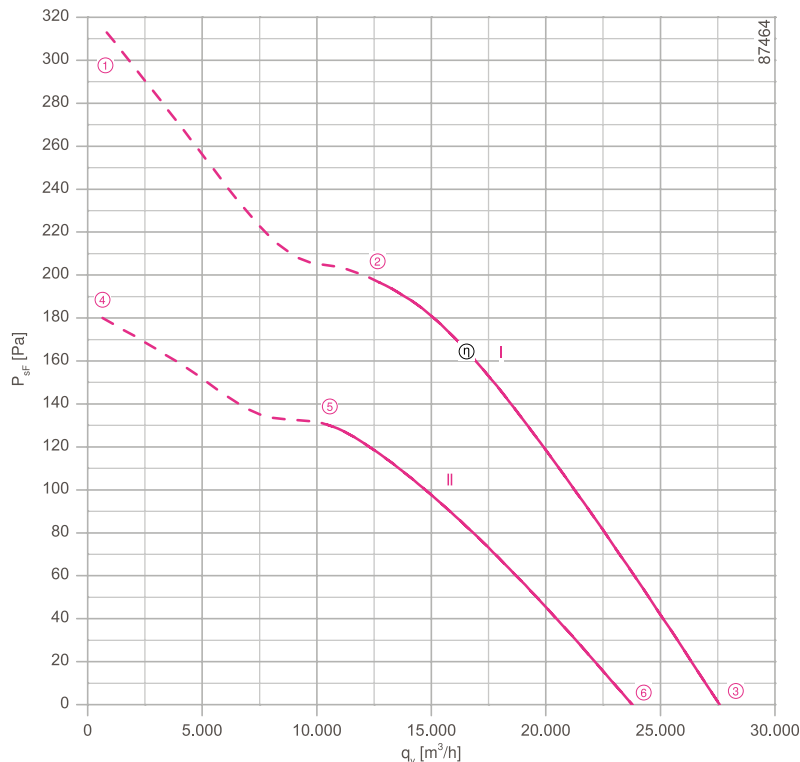
## Description

Motor technology: AC  
 Rated voltage  $U_N$ : 3~ 400 V ( $\Delta/Y$ )  $\pm 10$  %  
 Rated frequency  $f_N$ : 50 Hz\* (60Hz data available)  
 Motor input power  $P_i$ : 1.95/1.30 kW\*  
 Rated current  $I_N$ : 4.40/2.30 A\*  
 Rated speed  $n_N$ : 880/ 720 min<sup>-1</sup>\*  
 Starting current  $I_A$ : 17.00 A / 5.50 A  
 Current increase  $\Delta I$ : 0 %  
 Thermal class: THCL155\*  
 Min. permitted conveyor temperature  $t_{R(min)}$ : -40 °C  
 Max. permitted conveyor temperature  $t_{R(max)}$ : 70 °C  
 Electrical connection: Terminal box  
 Number of blades: 5  
 Protection class: IP54  
 Motor protection: Thermal contact  
 Blades: Aluminium, uncoated  
 Rotor: Aluminium, uncoated  
 Conformity: ErP 2015, CE  
**ErP Data**  
 Efficiency  $\eta_{statA}$ : 40.8 %  
 Efficiency:  $N_{actual} = 45.4 / N_{target} = 40$ \*\*  
 \* Rated data  
 \*\*ErP 2015

➤ Connection diagrams Page 608  
 for airflow direction V 1360-108XA  
 for airflow direction A 1360-108XB

➤ System components Page 524

## Characteristic curve

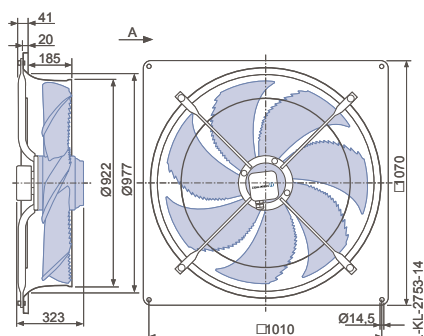


Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

## Dimensions [mm]

### Airflow direction A

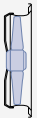
Design Q - square, full bell mouth



|                 |   | curve | U<br>[V] | point | I<br>[A] | power<br>P <sub>1</sub><br>[W] | n<br>[min <sup>-1</sup> ] | sound power<br>level<br>L <sub>WA5</sub><br>[dB] |
|-----------------|---|-------|----------|-------|----------|--------------------------------|---------------------------|--------------------------------------------------|
| FN091-SD_7M_5P1 | Δ | I     | 400      | ①     | 5.40     | 2700                           | 830                       |                                                  |
|                 |   |       | 400*     | ②     | 4.40*    | 1950*                          | 880*                      | 88                                               |
|                 |   |       | 400      | ③     | 3.90     | 1400                           | 920                       | 79                                               |
|                 | Y | II    | 400      | ④     | 2.80     | 1600                           | 620                       |                                                  |
|                 |   |       | 400*     | ⑤     | 2.30*    | 1300*                          | 720*                      | 82                                               |
|                 |   |       | 400      | ⑥     | 1.80     | 1000                           | 800                       | 74                                               |

\*rated data

Fan ordering information

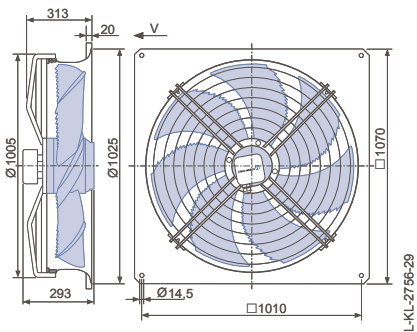
| Airflow direction A |                                                                                   | Airflow direction V                                                               |                                                                                     |                                                                                     |  |
|---------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|
| Design              | Q                                                                                 | Q                                                                                 | S                                                                                   | I                                                                                   |  |
|                     |  |  |  |  |  |
| Type                | FN091-SDQ.7M.A5P1                                                                 | FN091-SDQ.7M.V5P1                                                                 | FN091-SDS.7M.V5P1                                                                   | FN091-SDI.7M.V5P1                                                                   |  |
| Article no.         | 156181                                                                            | 156184                                                                            | 156183                                                                              | 156185                                                                              |  |
| Weight [kg]         | 58.20                                                                             | 63.00                                                                             | 46.40                                                                               | 45.90                                                                               |  |

Control technology

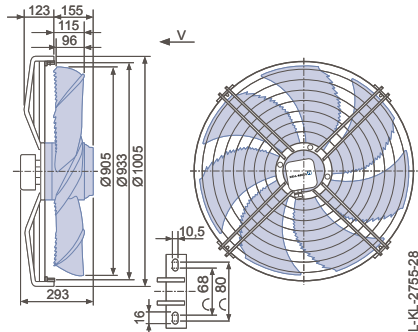
|                                                                                                                                     |                                                                                                                                |                                                                                                                                       |                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Frequency inverter<br>Fcontrol 3~<br><br>Page 558 | Motor protection units<br>3~<br><br>Page 596 | Transformer-based<br>controllers 3~<br><br>Page 591 | Electronic voltage<br>controllers 3~<br><br>Page 578 |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|

Airflow direction V

Design Q - square, full bell mouth



Design S - radially bolted, mounting for full bell mouth Q and L



Design I - axial bolted, mounting for bell mouth flange for pipe socket H or full bell mouth Q or L

