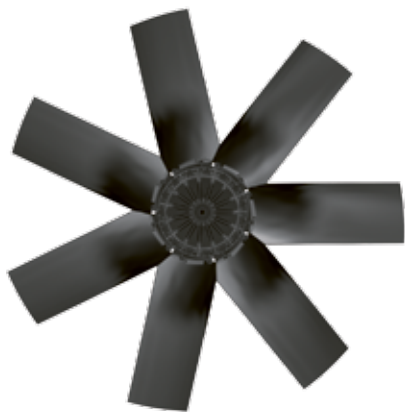




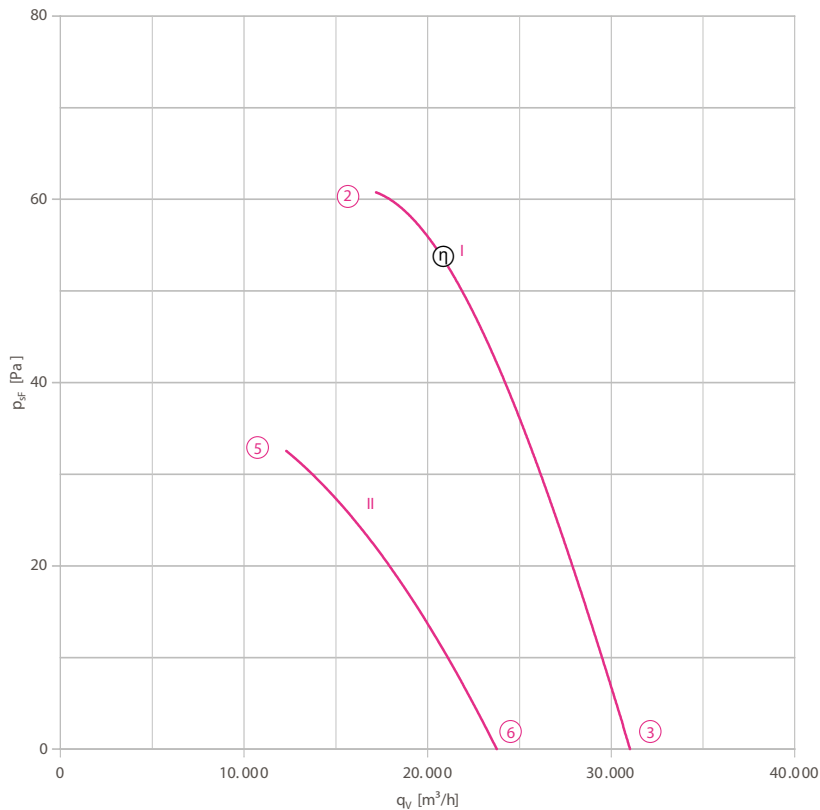
## Description

Motor technology: AC  
 Rated voltage  $U_N$ : 3~ 400 V ( $\Delta/Y$ )  $\pm 10\%$   
 Rated frequency  $f_N$ : 50 Hz\*  
 Motor input power  $P_1$ : 0.97/0.55 kW\*  
 Rated current  $I_N$ : 2.30/1.15 A\*  
 Rated speed  $n_N$ : 420/ 300 min<sup>-1</sup>\*  
 Starting current  $I_A$ : 5.50 A / 1.70 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: 7  
 Protection class: IP54  
 Motor protection: Thermal contact  
 Blades: Aluminium, 1 coat paint, black  
 Rotor: Aluminium, 1 coat paint, black  
 Conformity: ErP 2013, CE

## ErP Data

Efficiency  $\eta_{statA}$ : 31.6 %  
 Efficiency:  $N_{actual} = 38.0 / N_{target} = 36^{**}$   
 \* Rated data  
 \*\*ErP 2013

Characteristic curve



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

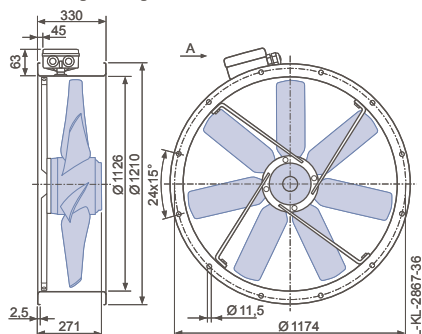
Connection diagram 1360-108XB Page 608

System components Page 524

## Dimensions [mm]

### Airflow direction A

Design F - flange ring with two flanges  
 without guard grille



|                |   | 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] |
|----------------|---|-------|----------|-------|----------|--------------------------------|---------------------------|--------------------------------------------------|
| FC112-ND_7M.A7 | Δ | I     | 400*     | ②     | 2.30*    | 970*                           | 420*                      | 79                                               |
|                |   |       | 400      | ③     | 2.20     | 810                            | 440                       | 82                                               |
|                | Y | II    | 400*     | ⑤     | 1.15*    | 550*                           | 300*                      | 73                                               |
|                |   |       | 400      | ⑥     | 1.10     | 500                            | 330                       | 76                                               |

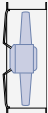
\*rated data

Fan ordering information

Airflow direction A

Design

F (without guard grille)



Type

FC112-NDF.7M.A7

Article no.

132554

Weight [kg]

73.30

Control technology

Frequency inverter  
Fcontrol 3~



➤ Page 558

Motor protection units  
3~



➤ Page 596

Transformer-based  
controllers 3~



➤ Page 591

Electronic voltage  
controllers 3~



➤ Page 578