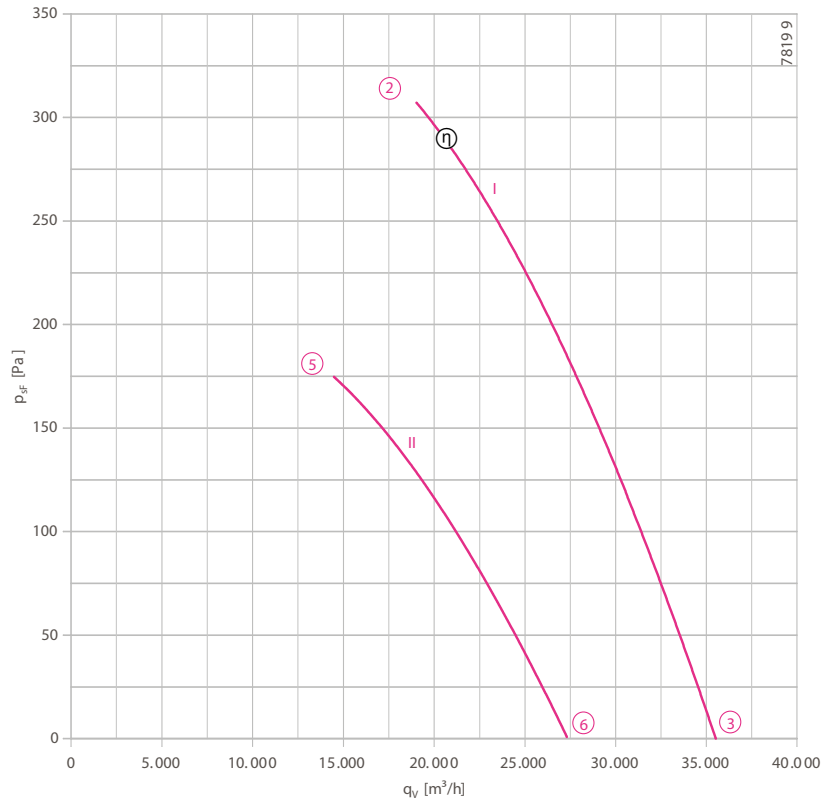


## Description

Motor technology: AC  
 Rated voltage  $U_N$ : 3~ 400 V ( $\Delta/Y$ )  $\pm 10$  %\*  
 Rated frequency  $f_N$ : 50 Hz\*  
 Motor input power  $P_1$ : 5.20/3.20 kW\*  
 Rated current  $I_N$ : 8.60/5.00 A\*  
 Rated speed  $n_N$ : 1250/ 940 min<sup>-1</sup>\*  
 Starting current  $I_s$ : 32.00 A / 10.00 A  
 Current increase  $\Delta I$ : 5 %  
 Thermal class: THCL155\*  
 Min. permitted conveyor temperature  $t_{R(min)}$ : -40 °C  
 Max. permitted conveyor temperature  $t_{R(max)}$ : 65 °C  
 Electrical connection: Terminal box  
 Number of blades: 4  
 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  $\eta_{statA}$ : 34.2 %  
 Efficiency:  $N_{actual} = 36.1 / N_{target} = 36$ \*\*  
 \* Rated data  
 \*\*ErP 2013

## Characteristic curve



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

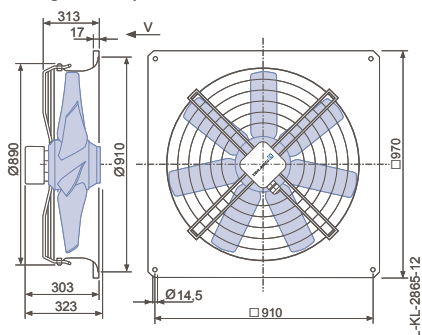
➤ Connection diagram 1360-108XA Page 608

➤ System components Page 524

## Dimensions [mm]

Airflow direction V

Design Q - square, full bell mouth



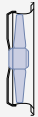
		curve	U [V]	point	I [A]	power P <sub>1</sub> [W]	n [min <sup>-1</sup> ]	sound power level L <sub>WA5</sub> [dB]
FC080-VD_7Q.V4	Δ	I	400*	②	8.60*	5170*	1250*	93
			400	③	7.90	4680	1280	90
	Y	II	400*	⑤	5.00*	3150*	940*	87
			400	⑥	4.70	2970	990	84

\*rated data

## Fan ordering information

← Airflow direction V

Design Q



**Type** FC080-VDQ.7Q.V4  
**Article no.** 152886

Weight [kg] 61.90

## Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 558</p>	<p>Motor protection units 3~</p>  <p>➤ Page 596</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 591</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 578</p>
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Information

FE2owlet  
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FB

FC

System  
components

Control  
technology

Appendix