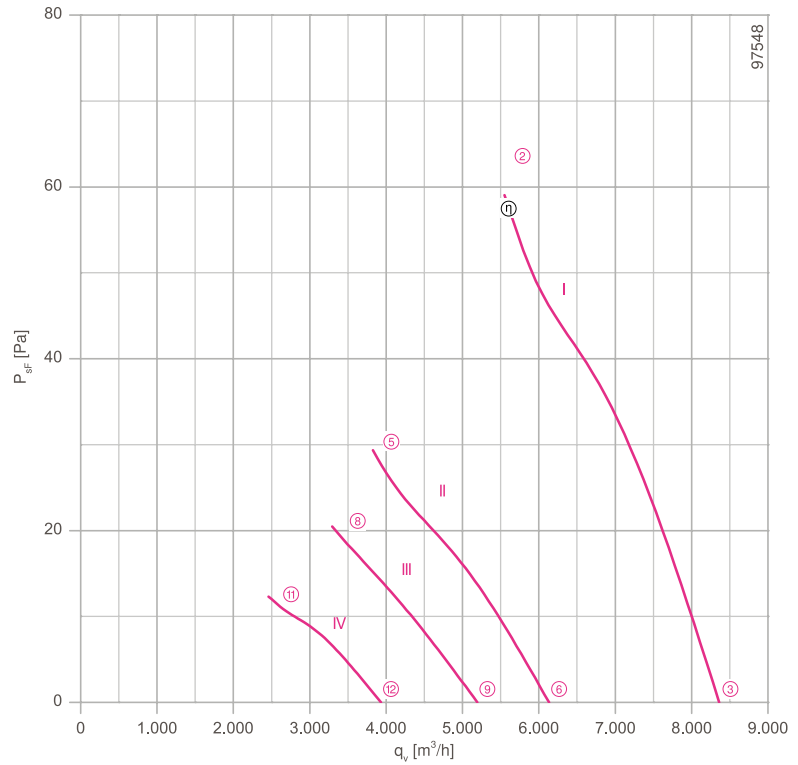


### Description

Motor technology: AC  
 Rated voltage  $U_N$ : 3~ 230/400 V ( $\Delta/Y$ )  $\pm 10$  %\*  
 Rated frequency  $f_N$ : 50 Hz\* (60Hz data available)  
 Motor input power  $P_1$ : 0.31 kW\*  
 Rated current  $I_N$ : 1.05/0.60 A\*  
 Rated speed  $n_N$ : 840 min<sup>-1</sup>\*  
 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 2015, CE

**ErP Data**  
 Efficiency  $\eta_{statA}$ : 31.0 %  
 Efficiency:  $N_{actual} = 40.6 / N_{target} = 40$ \*\*  
 \* Rated data  
 \*\*ErP 2015

### Characteristic curve



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

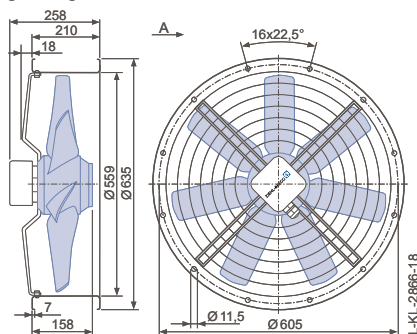
Connection diagram 1360-106XB Page 608

System components Page 524

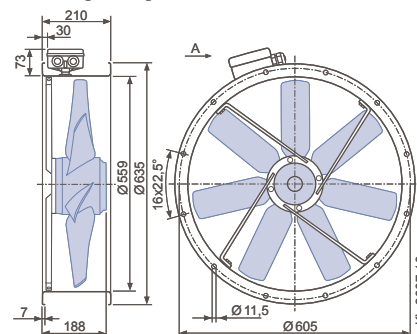
### Dimensions [mm]

#### Airflow direction A

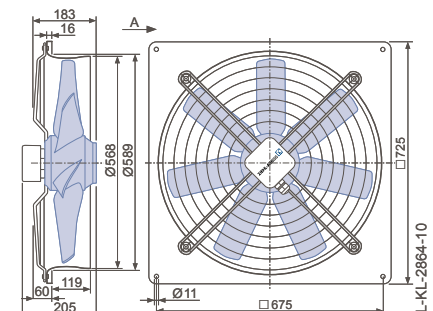
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



	curve	U		I	power	n	sound power level
		[V]		[A]	$P_1$ [W]	[min <sup>-1</sup> ]	$L_{WAS}$ [dB]
FC056-6D_.4F_.7	I	400*	②	0.60*	310*	840*	71
		400	③	0.56	270	870	72
	II	230	⑤	0.56	170	590	63
		230	⑥	0.54	160	640	64
	III	190	⑧	0.50	130	500	59
		190	⑨	0.48	120	540	60
	IV	145	⑪	0.42	80	390	52
		145	⑫	0.42	80	410	54

\*rated data

## Fan ordering information

### Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
<b>Type</b>	<b>FC056-6DF.4F.A7</b>	<b>FC056-6DF.4F.A7</b>	<b>FC056-6DQ.4F.A7</b>
<b>Article no.</b>	<b>160101</b>	<b>160100</b>	<b>160099</b>
<b>Weight [kg]</b>	16.80	16.00	19.10

## Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
↗ Page 558	↗ Page 596	↗ Page 591	↗ Page 578

Information

FE2owlet  
ECblue

FE2owlet

FB

FC

System  
components

Control  
technology

Appendix