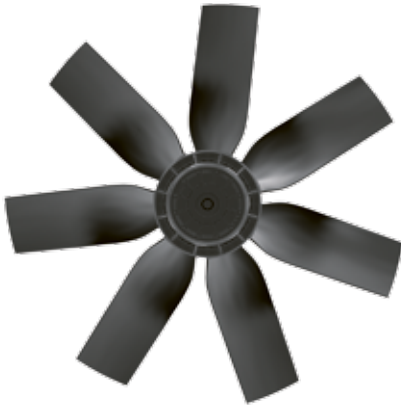


for three phase alternating current, 4 pole

FC056-4D



### Description

Motor technology: AC  
 Rated voltage  $U_N$ : 3~ 230/400 V ( $\Delta/Y$ )  $\pm 10$  %\*  
 Rated frequency  $f_N$ : 50 Hz\*  
 Motor input power  $P_1$ : 1.00 kW\*  
 Rated current  $I_N$ : 3.10/1.80 A\*  
 Rated speed  $n_N$ : 1220 min<sup>-1</sup>\*  
 Starting current  $I_s$ : 12.00 A / 7.00 A  
 Current increase  $\Delta I$ : 0 %  
 Thermal class: THCL155\*  
 Min. permitted conveyor temperature  $t_{R(min)}$ : -40 °C  
 Max. permitted conveyor temperature  $t_{R(max)}$ : 60 °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

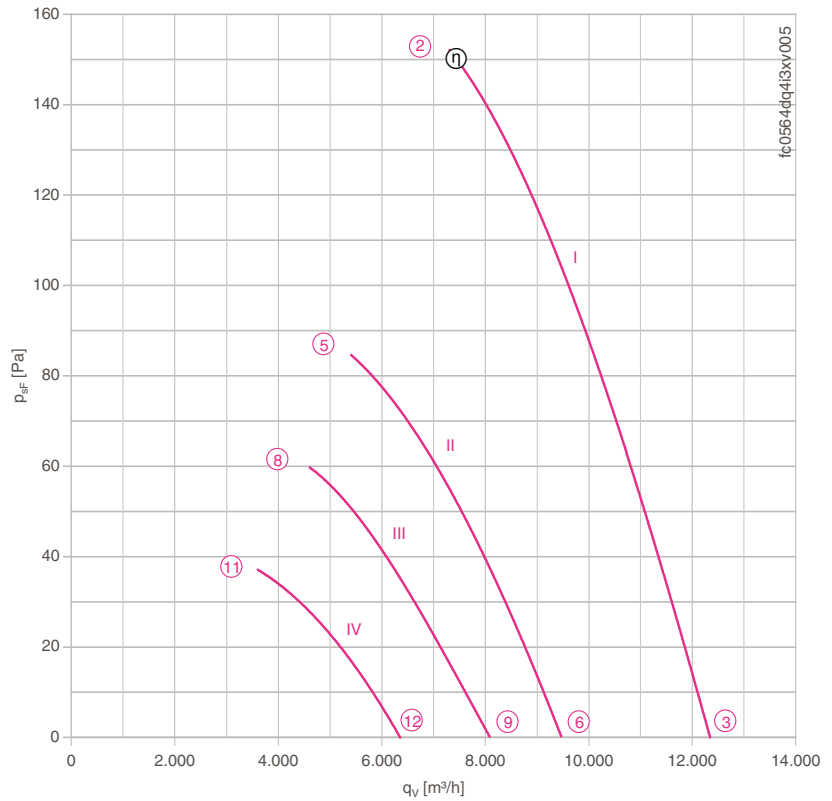
### ErP Data

Efficiency  $\eta_{statA}$ : 32.5 %  
 Efficiency:  $N_{actual} = 40.3 / N_{target} = 40$ \*\*  
 Frequency inverter required

\* Rated data

\*\*ErP 2015

### Characteristic curve



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

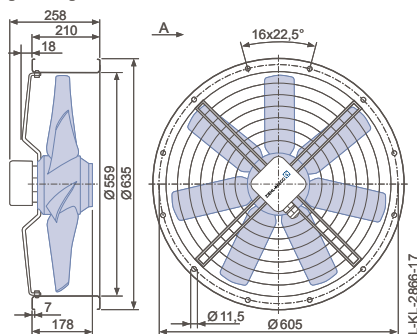
➤ Connection diagram 1360-106XB Page 608

➤ System components Page 524

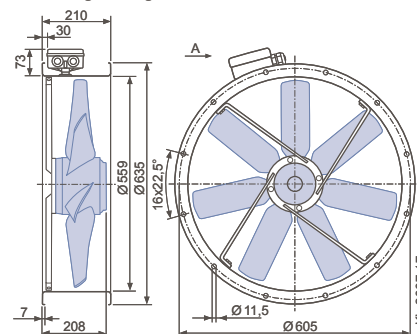
### Dimensions [mm]

#### Airflow direction A

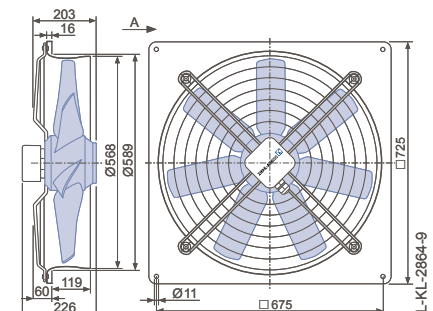
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth

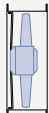
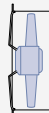
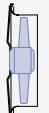


	curve	U		I	power	n	sound power level
		[V]		[A]	P <sub>1</sub> [W]	[min <sup>-1</sup> ]	L <sub>WAS</sub> [dB]
FC056-4D_4I.A7	I	400*	②	1.80*	1000*	1220*	82
		400	③	1.60	870	1260	81
	II	230	⑤	1.65	600	900	75
		230	⑥	1.55	550	970	76
	III	180	⑧	1.60	450	760	71
		180	⑨	1.50	430	830	71
	IV	140	⑪	1.40	310	620	66
		140	⑫	1.30	290	660	67

\*rated data

## Fan ordering information

### Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
<b>Type</b>	<b>FC056-4DF.4I.A7</b>	<b>FC056-4DF.4I.A7</b>	<b>FC056-4DQ.4I.A7</b>
<b>Article no.</b>	<b>132301</b>	<b>132299</b>	<b>130749</b>
<b>Weight [kg]</b>	18.40	17.70	20.80

## 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

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FB

FC

System  
components

Control  
technology

Appendix