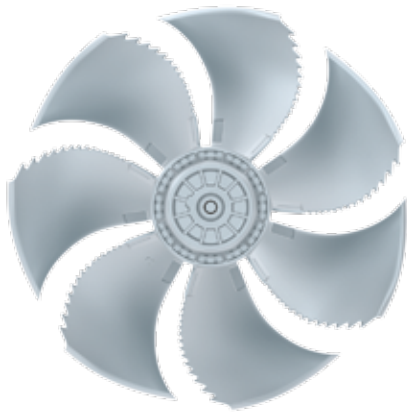




Description

Motor technology: AC

Rated voltage U_N : 3~400 V (Δ/Y) $\pm 10\%$ *

Rated frequency f_N : **50 Hz*** (60Hz data available)

Motor input power P_1 : 0.29/0.15 kW*

Rated current I_N : **0.74/0.36 A***

Rated speed n_N : **880/ 590 min⁻¹***

Starting current I_A : 1.50 A / 0.40 A

Current increase ΔI : 0 %

Thermal class: **THCL155***

Min. permitted conveyor temperature $t_{B(min)}$: -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, uncoated

Rotor: Aluminium, uncoated

Conformity: ErP 2015, CE

ErP Data

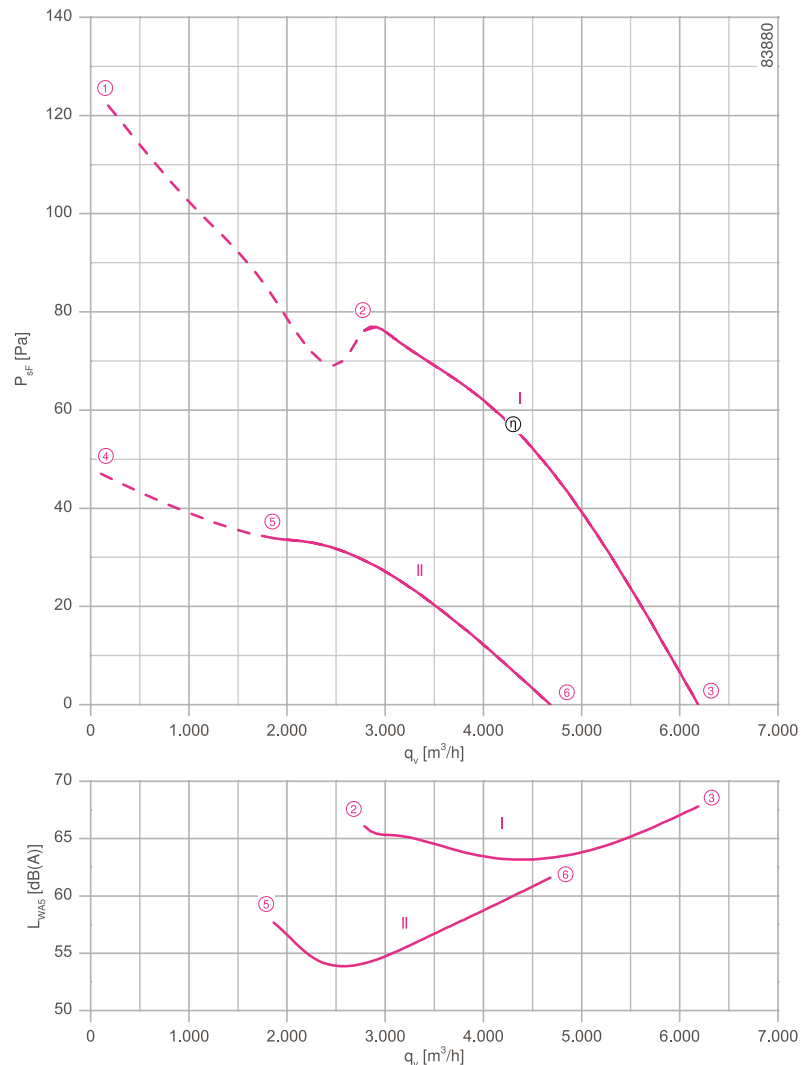
Efficiency η_{statA} : 30.1 %

Efficiency: $N_{\text{actual}} = 40.2 / N_{\text{target}} = 40^{**}$

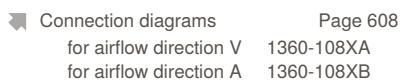
* Rated data

**ErP 2015

Characteristic curve



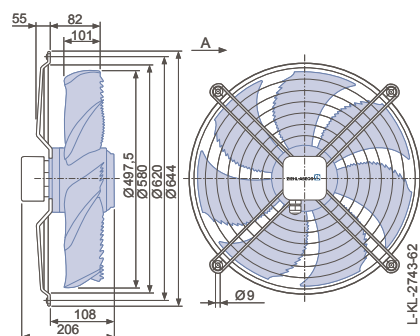
Measured in full bell mouth without guard grille in installation type A according to ISO 5801.



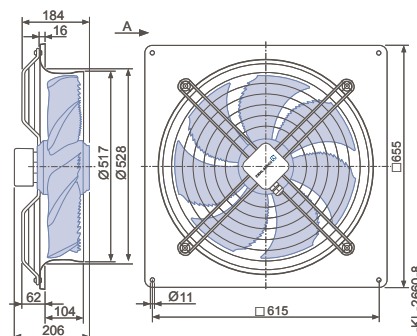
Dimensions [mm]

Airflow direction A

Design W - axial bolted, mounting for short bell mouth E

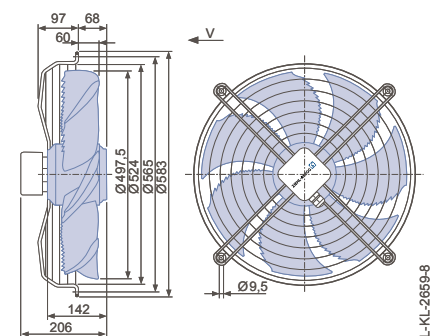


Design Q - square, full bell mouth



Airflow direction V

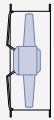
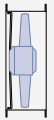
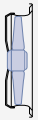
Design K - axial bolted, mounted for short bell mouth E



		curve	U [V]	point	I [A]	power P ₁ [W]	n [min ⁻¹]	sound power level L _{WA5} [dB]
FN050-SD_4F_7P1	Δ	I	400	①	0.82	350	830	
			400*	②	0.74*	290*	880*	66
			400	③	0.66	230	920	68
	Y	II	400	④	0.38	160	510	
			400*	⑤	0.36*	150*	590*	58
			400	⑥	0.33	140	700	62

*rated data

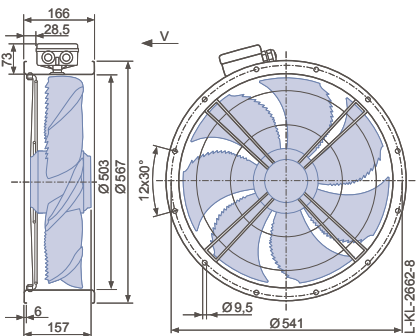
Fan ordering information

Airflow direction A → ← Airflow direction V						
Design	W	Q	K	F (without contact protection)	F (with contact protection)	Q
						
Type	FN050-SDW.4F.A7P1	FN050-SDQ.4F.A7P1	FN050-SDK.4F.V7P1	FN050-SDF.4F.V7P1	FN050-SDF.4F.V7P1	FN050-SDQ.4F.V7P1
Article no.	155656	140085	140058	140069	140075	140063
Weight [kg]	11.70	18.60	11.80	15.30	16.00	16.30

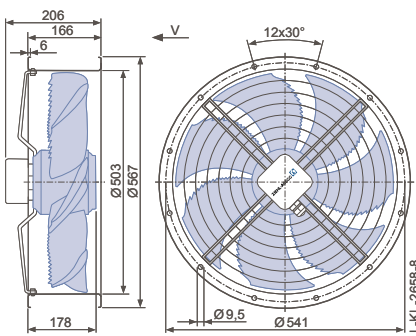
Control technology

Frequency inverter Fcontrol 3~  Page 558	Motor protection units 3~  Page 596	Transformer-based controllers 3~  Page 591	Electronic voltage controllers 3~  Page 578
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Design F - flange ring with two flanges without guard grille



Design F - flange ring with two flanges and guard grille



Design Q - square, full bell mouth

