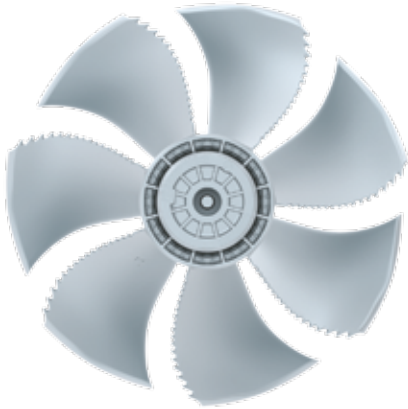




Description

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 : 0.18/0.10 kW*

Rated current I_N : **0.50/0.24 A***

Rated speed n_N : **900/ 690 min⁻¹***

Starting current I_A : 1.10 A / 0.32 A

Current increase ΔI : 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, uncoated

Rotor: Aluminium, uncoated

Conformity: ErP 2015, CE

ErP Data

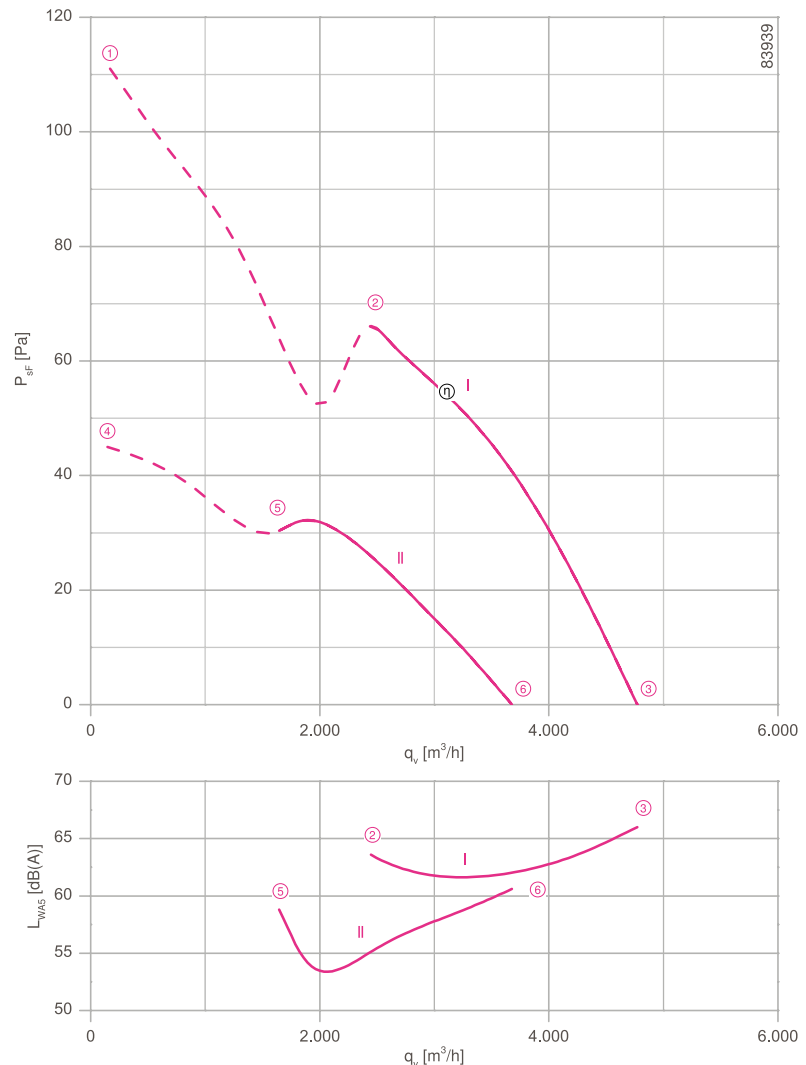
Efficiency η_{statA} : 29.0 %

Efficiency: $N_{\text{actual}} = 40.0 / N_{\text{target}} = 40^{**}$

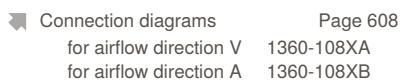
* Rated data

**ErP 2015

Characteristic curve



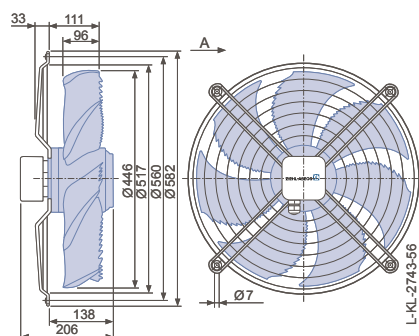
Measured in full bell mouth without guard grille in installation type A according to ISO 5801.



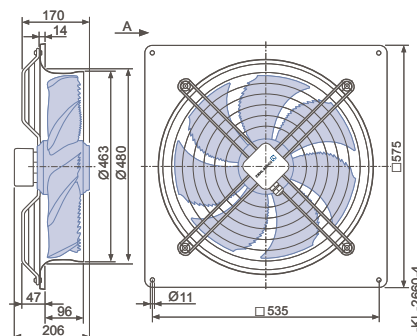
Dimensions [mm]

Airflow direction A

Design D - axial bolted, suspension for full bell mouth Q and L

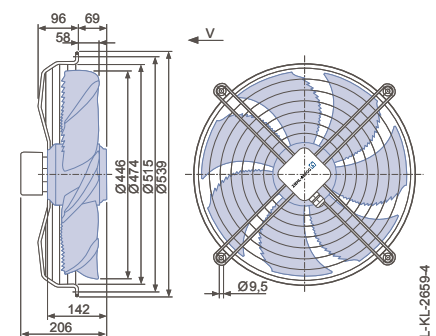


Design Q - square, full bell mouth



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]
FN045-SD_4F_7P1	Δ	I	400	①	0.56	220	860	
			400*	②	0.50*	180*	900*	64
			400	③	0.46	150	920	66
	Y	II	400	④	0.27	110	550	
			400*	⑤	0.24*	100*	690*	59
			400	⑥	0.24	95	710	61

*rated data

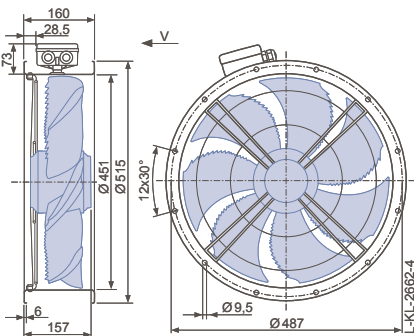
Fan ordering information

Airflow direction A				Airflow direction V		
Design	D	Q	K	F (without contact protection)	F (with contact protection)	Q
						
Type	FN045-SDD.4F.A7P1	FN045-SDQ.4F.A7P1	FN045-SDK.4F.V7P1	FN045-SDF.4F.V7P1	FN045-SDF.4F.V7P1	FN045-SDQ.4F.V7P1
Article no.	155139	140108	140112	140120	140540	140116
Weight [kg]	10.70	14.60	11.00	14.20	14.50	14.40

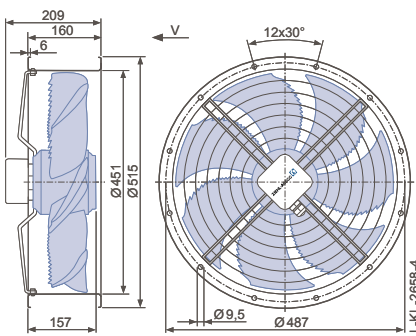
Control technology

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

