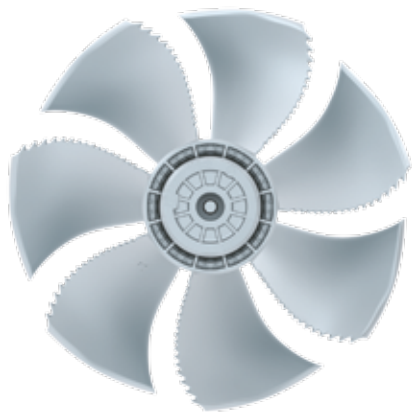




Description

Motor technology: AC

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

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

Motor input power P_1 : 0.54/0.36 kW*

Rated current I_N : 1.10/0.66 A*

Rated speed n_N : 1350/1020 min⁻¹*

Starting current I_A : 4.00 A / 1.20 A

Current increase ΔI : 10 %

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

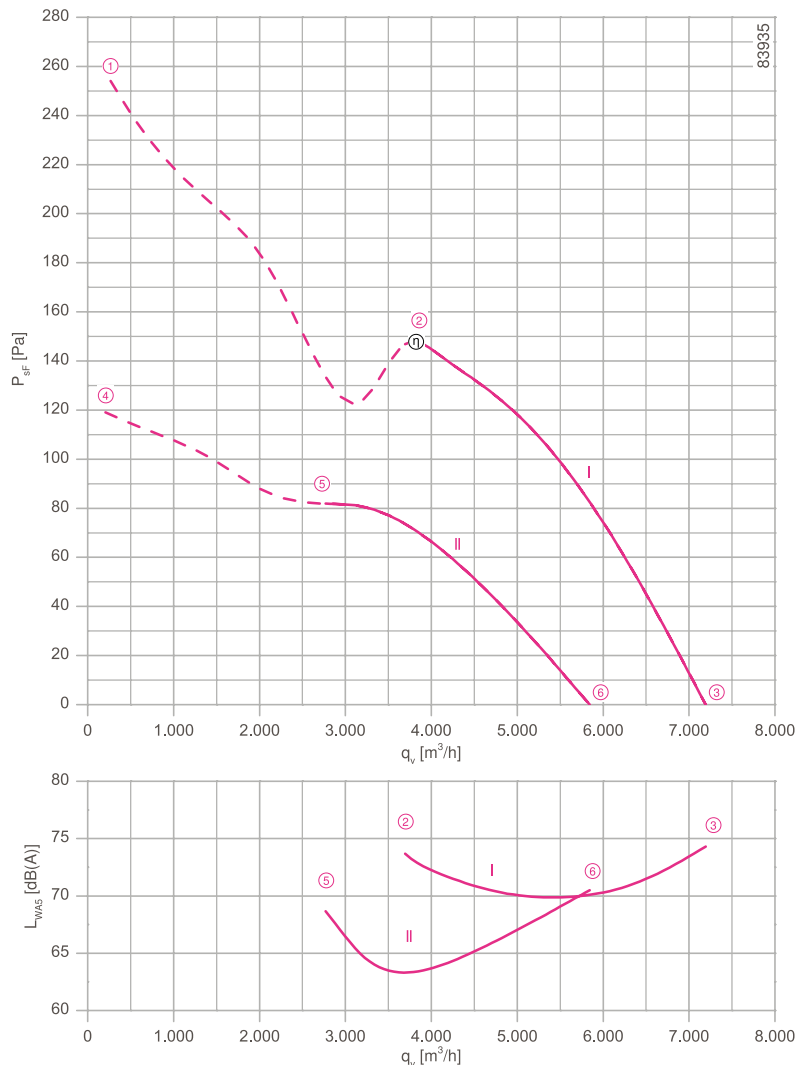
Efficiency η_{statA} : 34.0 %

Efficiency: $N_{actual} = 42.0 / N_{target} = 40$ **

* Rated data

**ErP 2015

Characteristic curve



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

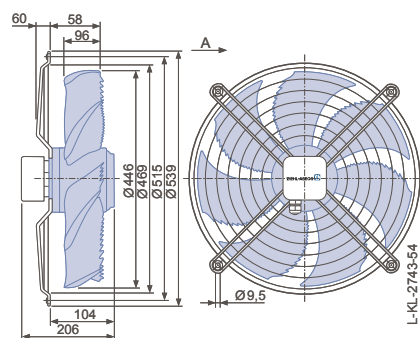
➤ Connection diagrams Page 608
for airflow direction V 1360-108XA
for airflow direction A 1360-108XB

➤ System components Page 524

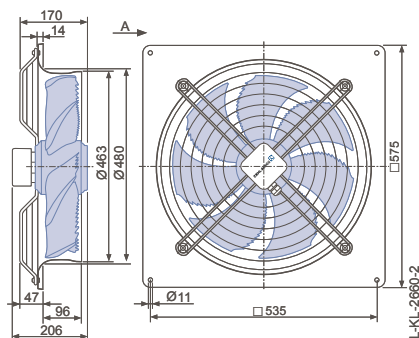
Dimensions [mm]

Airflow direction A

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

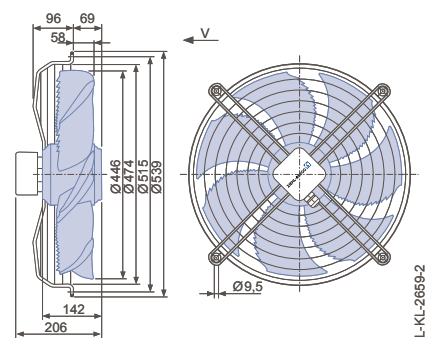


Design Q - square, full bell mouth



Airflow direction V

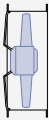
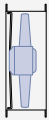
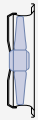
Design K - axial bolted, mounted for short bell mouth E



		curve	U [V]	point	I [A]	power P ₁ [W]	n [min ⁻¹]	sound power level L _{WA5} [dB]
FN045-VD_4F_7P1	Δ	I	400	①	1.30	680	1300	
			400*	②	1.10*	540*	1350*	74
			400	③	0.96	440	1390	74
	Y	II	400	④	0.76	420	900	
			400*	⑤	0.66*	360*	1050*	69
			400	⑥	0.60	330	1130	71

*rated data

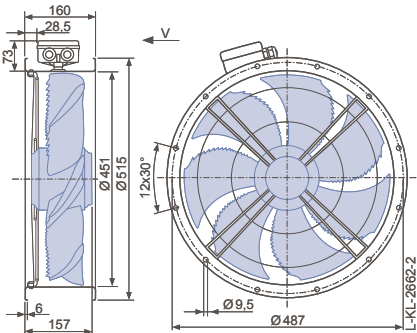
Fan ordering information

Airflow direction A → ← Airflow direction V						
Design	W	Q	K	F (without contact protection)	F (with contact protection)	Q
						
Type	FN045-VDW.4F.A7P1	FN045-VDQ.4F.A7P1	FN045-VDK.4F.V7P1	FN045-VDF.4F.V7P1	FN045-VDF.4F.V7P1	FN045-VDQ.4F.V7P1
Article no.	153504	140106	140110	140118	140538	140114
Weight [kg]	11.00	14.60	11.00	14.20	14.50	14.40

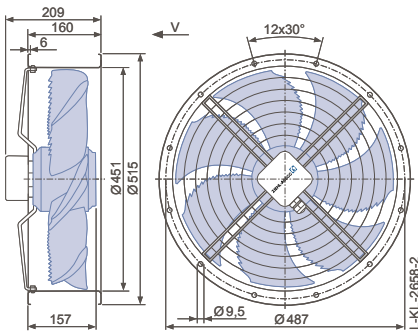
Control technology

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

