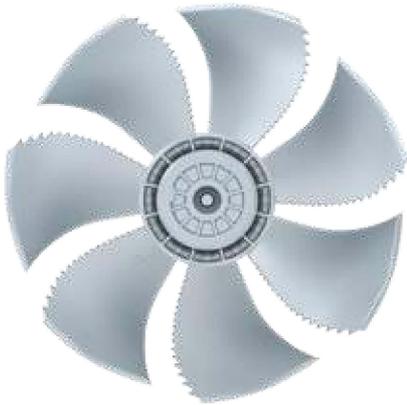


FE2owlet

for single phase alternating current, 6 pole

FNO45-6E



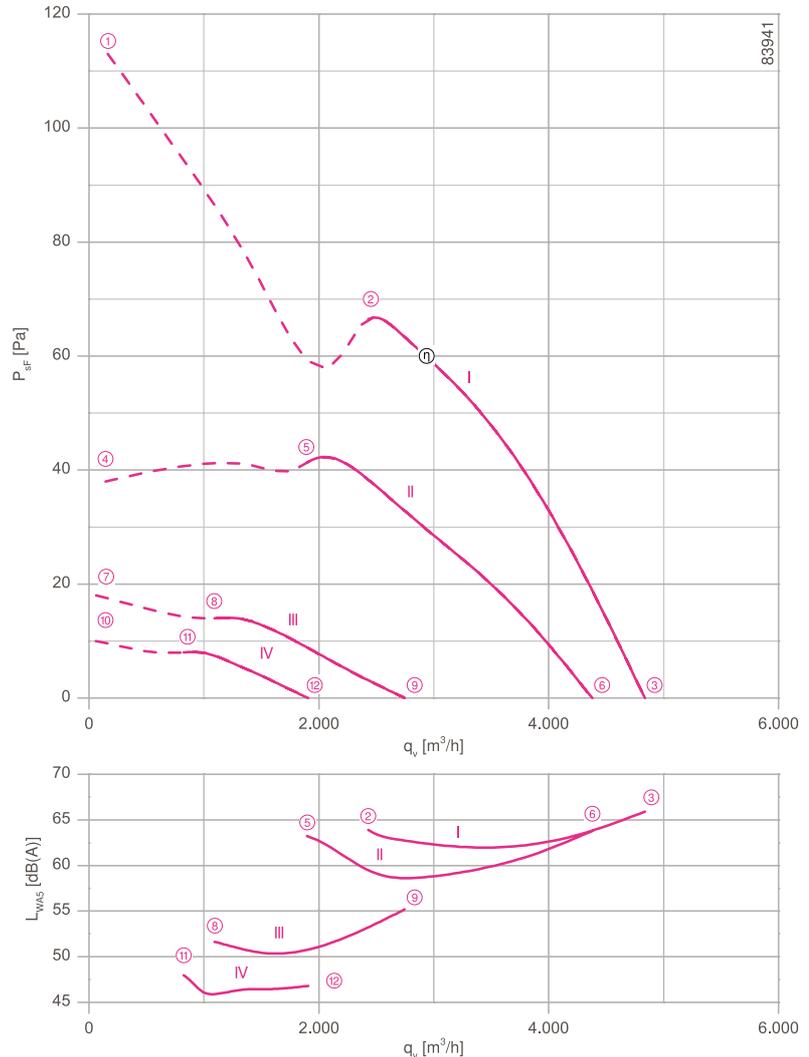
Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V±10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.19 kW*
 Rated current I_N : 0.90 A*
 Rated speed n_N : 910 min⁻¹*
 Starting current I_s : 2.00 A
 Current increase ΔI : 20 %
 Service capacitor C_{400V} : 6.0 µF
 Thermal class: **THCL155***
 Min. permitted conveyor temperature $t_{R(min)}$: -25 °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} : 27.5 %
 Efficiency: $N_{actual} = 40.3 / N_{target} = 40$ **
 Frequency inverter required
 * Rated data
 **ErP 2015

➤ Connection diagrams Page 608
 for airflow direction V 1360-104XA
 for airflow direction A 1360-104XB

➤ System components Page 524

Characteristic curve

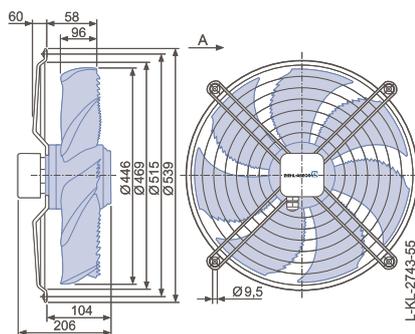


Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

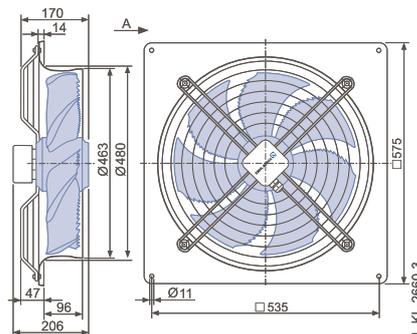
Dimensions [mm]

Airflow direction A

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

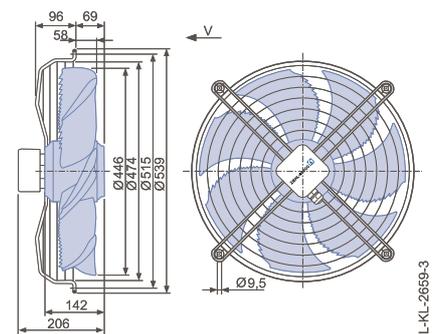


Design Q - square, full bell mouth



Airflow direction V

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



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level L_{WA5} [dB]
		U [V]		I [A]	P_1 [W]	n [min ⁻¹]	
FN045-6E_.4F_.7P1	I	230	①	1.10	230	860	
		230*	②	0.90*	190*	910*	64
		230	③	0.78	160	930	66
	II	170	④	1.20	170	510	
		170	⑤	0.92	140	810	63
		170	⑥	0.84	130	840	64
	III	135	⑦	0.98	100	340	
		135	⑧	0.96	100	470	52
		135	⑨	0.94	100	530	55
	IV	110	⑩	0.80	70	260	
		110	⑪	0.78	70	340	48
		110	⑫	0.78	70	370	47

*rated data

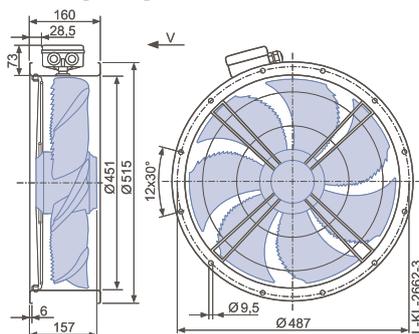
Fan ordering information

Design	Airflow direction A			Airflow direction V		
	W	Q	K	F (without contact protection)	F (with contact protection)	Q
Type	FN045-6EW.4F.A7P1	FN045-6EQ.4F.A7P1	FN045-6EK.4F.V7P1	FN045-6EF.4F.V7P1	FN045-6EF.4F.V7P1	FN045-6EQ.4F.V7P1
Article no.	155291	140109	140113	140537	140541	140117
Weight [kg]	11.00	14.60	11.00	14.20	14.50	14.40

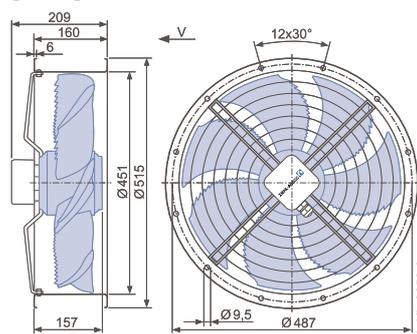
Control technology

<p>Frequency inverter Fcontrol 1~</p> <p>Page 552</p>	<p>Motor protection units 1~</p> <p>Page 596</p>	<p>Transformer-based controllers 1~</p> <p>Page 587</p>	<p>Electronic voltage controllers 1~</p> <p>Page 562</p>
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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

