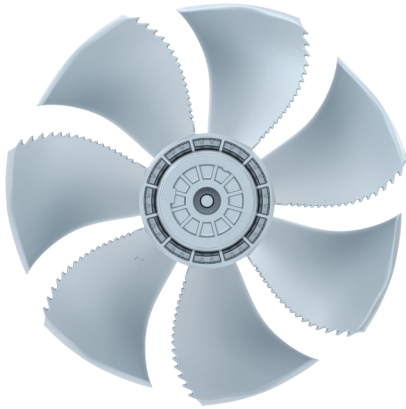


FE2owlet

for single phase alternating current, 4 pole

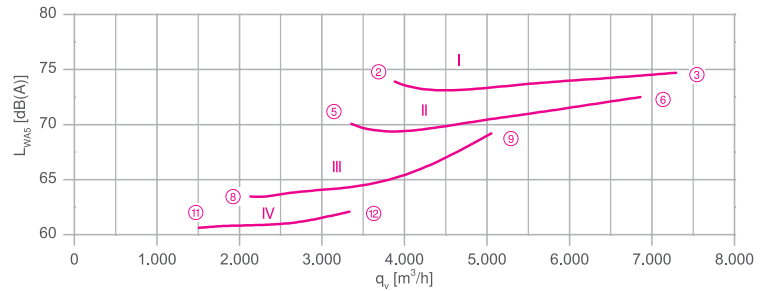
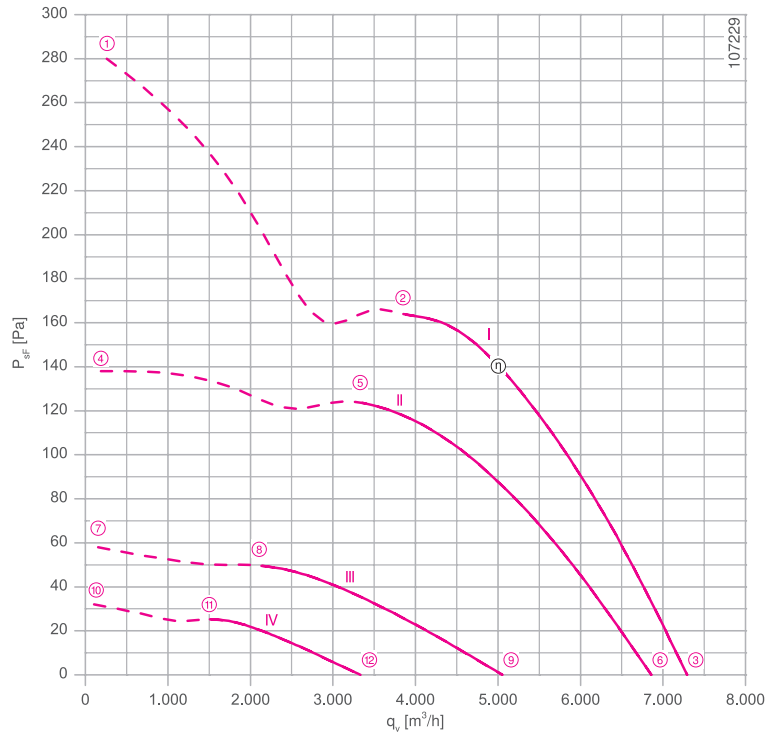
FNO45-4E



Description

Motor technology: AC
 Rated voltage U: 1~ 230 V±10 %*
 Rated frequency f: 50 Hz*
 Motor input power P₁: 0.60 kW*
 Rated current I: 2.90 A*
 Rated speed n: 1390 min⁻¹*
 Starting current I_s: 6.50 A
 Current increase ΔI: 25 %
 Service capacitor C_{400V}: 14.0 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}: 34.0 %
 Efficiency: N_{actual} = 41.8 / 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.

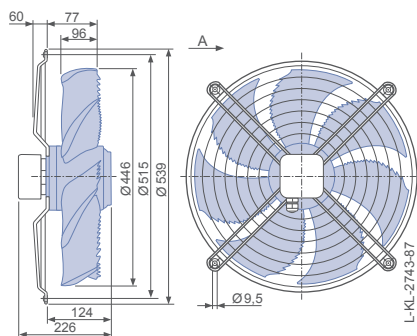
- Connection diagrams
 - for airflow direction V 1360-104XB
 - for airflow direction A 1360-104XA

- System components

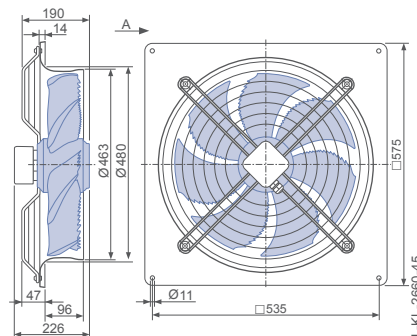
Dimensions [mm]

Airflow direction A

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

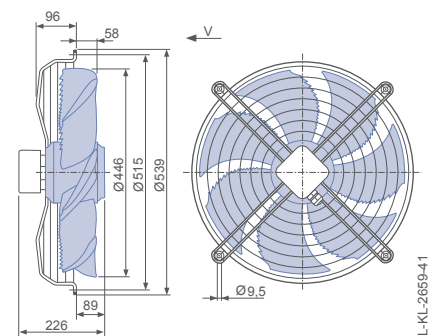


Design Q - square, full bell mouth



Airflow direction V

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



Performance data

Type designation	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level L_{WAS} [dB]
		U [V]		I [A]	P_1 [W]	n [min ⁻¹]	
FN045-4E_4I_7P1	I	230	①	3.50	740	1350	74
		230*	②	2.90*	600*	1390*	
		230	③	2.40	500	1420	
	II	170	④	4.40	620	940	75
		170	⑤	3.50	540	1200	
		170	⑥	2.70	420	1330	
	III	135	⑦	3.70	390	610	64
		135	⑧	3.50	390	760	
		135	⑨	3.30	370	980	
	IV	110	⑩	3.00	250	450	69
		110	⑪	2.90	250	530	
		110	⑫	2.90	250	650	

*rated data

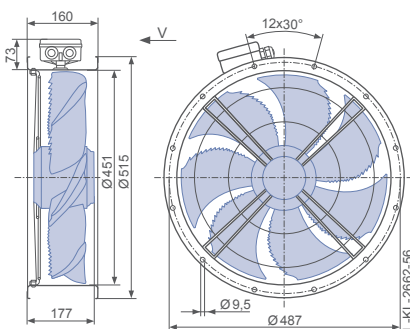
Fan ordering information

Airflow direction A		Airflow direction V				
Design	W	Q	K	F (without contact protection)	F (with contact protection)	Q
Type	FN045-4EW.4I.A7P1	FN045-4EQ.4I.A7P1	FN045-4EK.4I.V7P1	FN045-4EF.4I.V7P1	FN045-4EF.4I.V7P1	FN045-4EQ.4I.V7P1
Article no.	167870	167871	167804	167872	167873	167874
Weight [kg]	12.60	16.20	12.60	15.70	16.10	16.30

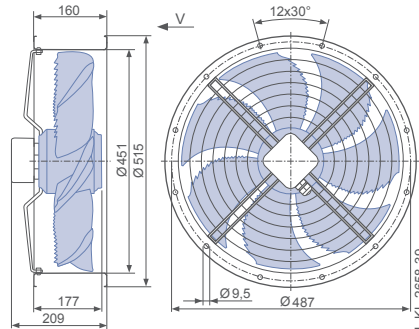
Control technology

Frequency inverter Fcontrol 1~	Motor protection units 1~	Transformer-based controllers 1~	Electronic voltage controllers 1~

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

