

FE2owlet-ECblue

for three phase alternating current, 380-480 V

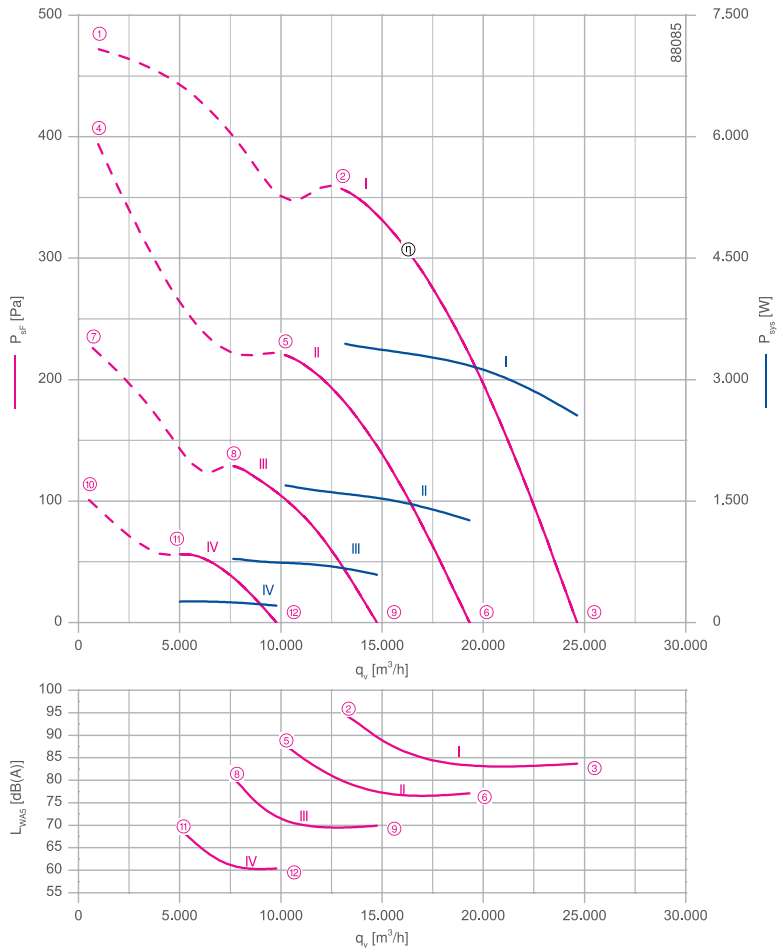
FNO71



Description

Motor technology: EC
 Rated voltage U_N : 3- 380-480 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 3.50 kW*
 Rated current I_N : 5.40- 4.30 A*
 Rated speed n_N : 1400 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -35 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Electrical connection: integrated Controller
 Number of blades: 7
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Blades: Aluminium, uncoated
 Rotor: Steel, 2 coat paint, ultramarine blue
 Conformity: ErP 2015, CE, UL
ErP-data
 Efficiency η_{statA} : 44.8 %
 Efficiency: $N_{actual} = 47.8 / N_{target} = 40^{**}$
 EC controller integrated
 * Rated data
 **ErP 2015

Characteristic curve



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

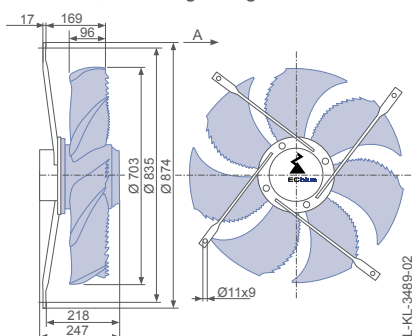
Connection diagram Page 530
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System components Page 430

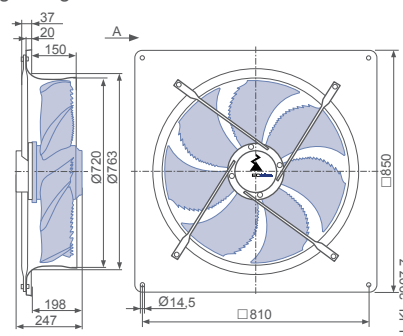
Dimensions mm

Airflow direction A

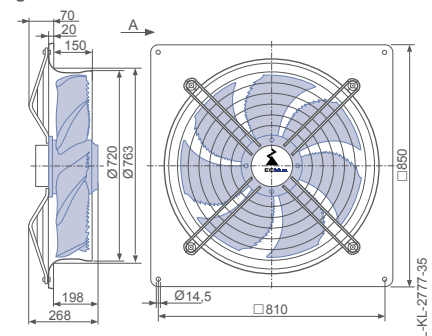
Design D - axial bolted, suspension for full bell mouth, without guard grille



Design Q - square full bell mouth, without guard grille



Design Q - square full bell mouth, guard grille suction side



Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level L_{WA5} dB(A)
		n min ⁻¹		I A	P_{sys} W	
FN071-ZI_GL_7P4	I	1400	①	4.80	3100	
			②	5.20	3500	95
			③	3.90	2600	84
	II	1100	④	3.50	2300	
			⑤	2.60	1700	88
			⑥	1.95	1250	77
	III	840	⑦	1.70	1050	
			⑧	1.30	780	80
			⑨	1.00	600	70
	IV	560	⑩	0.72	350	
			⑪	0.60	260	69
			⑫	0.50	210	60

Current values determined at 400V

Fan ordering information

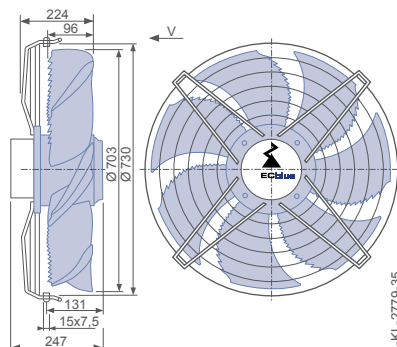
Design	Airflow direction A			Airflow direction V		
	D (without guard grille)	Q (without guard grille)	Q (guard grille suction side)	S (guard grille pressure side)	I (guard grille pressure side)	Q (guard grille pressure side)
Type	FN071-ZID.GL.A7P4	FN071-ZIQ.GL.A7P4	FN071-ZIQ.GL.A7P4	FN071-ZIS.GL.V7P4	FN071-ZII.GL.V7P4	FN071-ZIQ.GL.V7P4
Article no.	154918	154922	154926	154996	154906	154910
Weight kg	30.70	41.70	45.20	34.30	34.00	45.10

Control technology

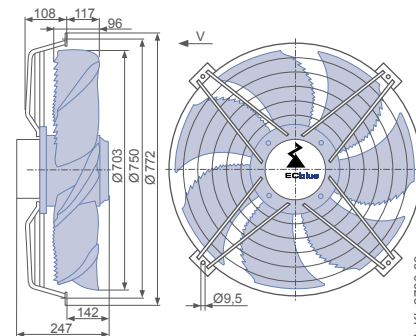
Control modules	Add-on modules	Operating terminal
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Airflow direction V

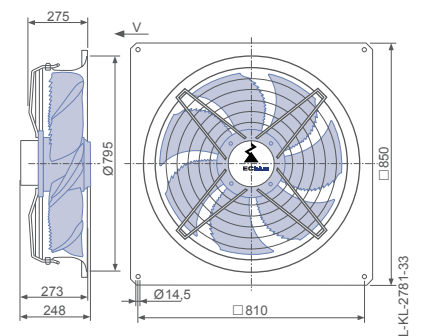
Design S - radially bolted, mounted for short bell mouth, guard grille pressure side



Design I - axial bolted, mounting for bell mouth flange, guard grille pressure side



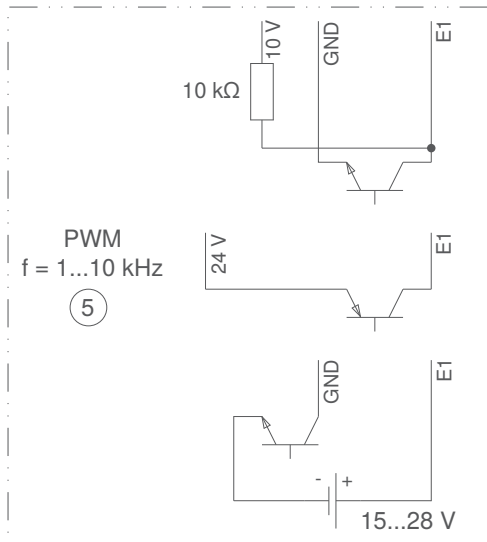
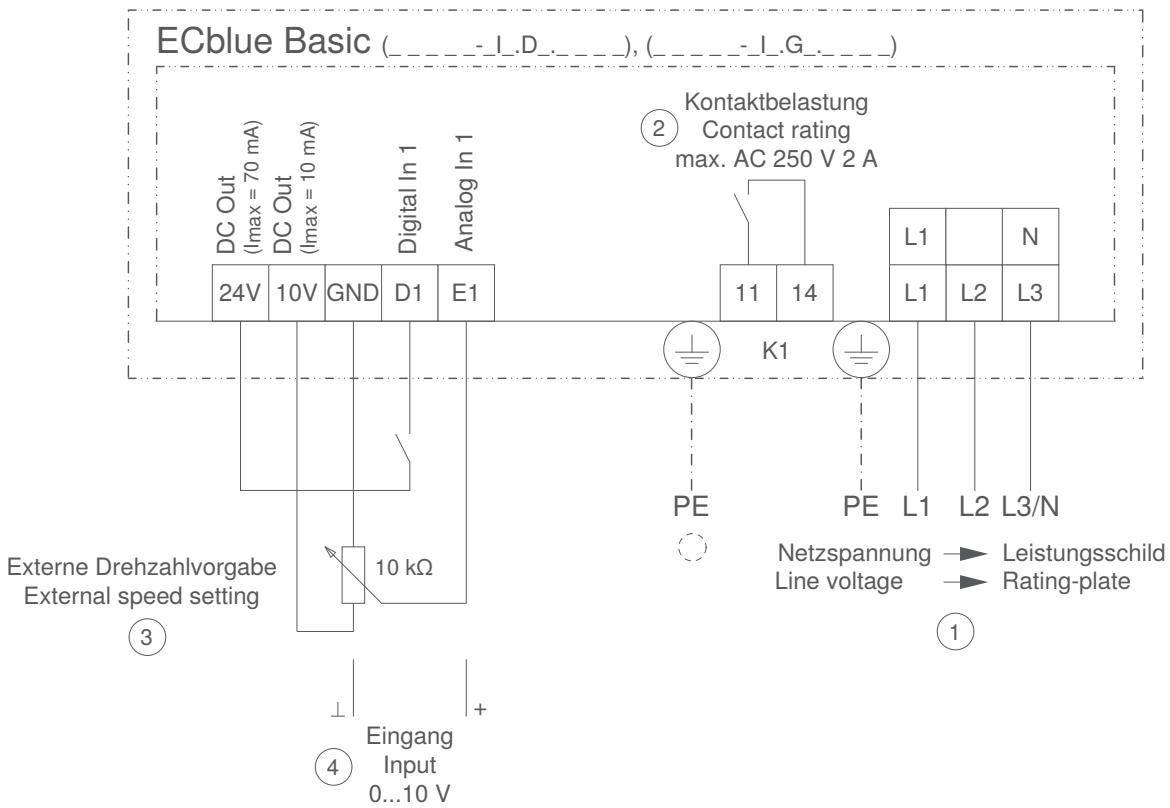
Design Q - square full bell mouth, guard grille pressure side



Connection diagrams

EC-Technology

1360-403 (EC116 / EC152)



MOEA03K1
 25.05.2012

- ① line voltage
- ② contact load
- ③ external speed setting
- ④ input
- ⑤ PWM

