

FFowlet

for single phase alternating current, 6 pole

FF063-6E



Description

Motor technology: AC
 Rated voltage U_N : **1~230 V $\pm$ 10 %***
 Rated frequency f_N : **50 Hz*** (60Hz data available)
 Input power P_i : **0.52 kW***
 Rated current I_N : **2.50 A***
 Rated speed n_N : **890 min⁻¹***
 Starting current I_A : 5.50 A
 Current increase ΔI : 5 %
 Service capacitor C_{400V} : 10.0 μ F
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -25 $^{\circ}$ C
 Max. permitted ambient temperature $t_{R(max)}$: 70 $^{\circ}$ C
 Electrical connection: Terminal box
 Number of blades: 5
 Degree of protection : IP54
 Motor protection: thermal contact
 Blades: Aluminium, 1 coat paint, jet black
 Rotor: Aluminium, 1 coat paint, jet black
 Conformity: ErP 2015, CE

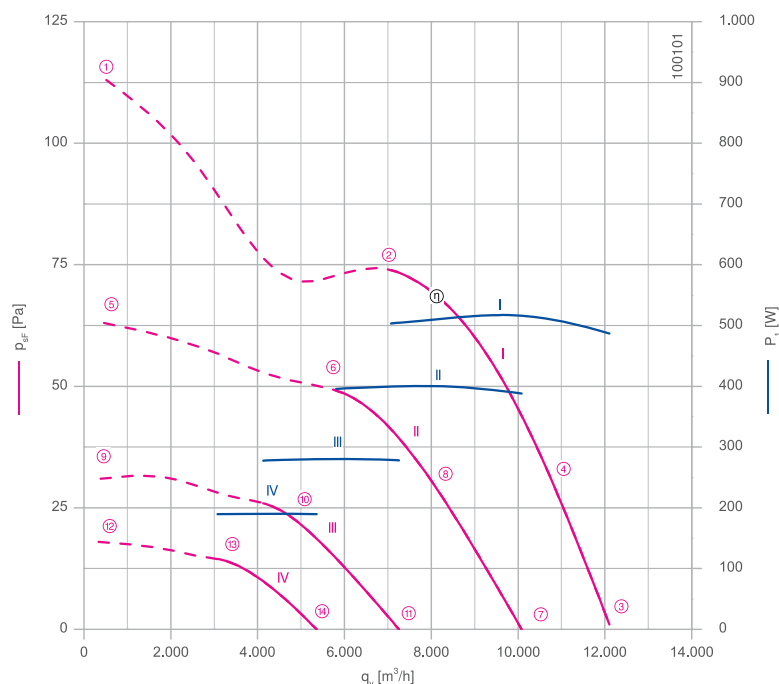
ErP-data

Efficiency η_{statA} : 32.1 %
Efficiency: $N_{\text{actual}} = 40.3 / N_{\text{target}} = 40^{**}$

* Rated data

**ErP 2015

Characteristic curve



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

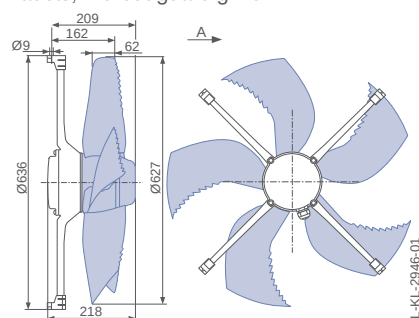
Connection diagram Page 174
1360-104XB

System components Page 110

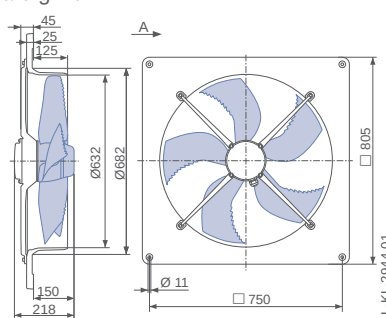
Dimensions mm

Airflow direction A

Design T - for installation in chimney exhausts, without guard grille

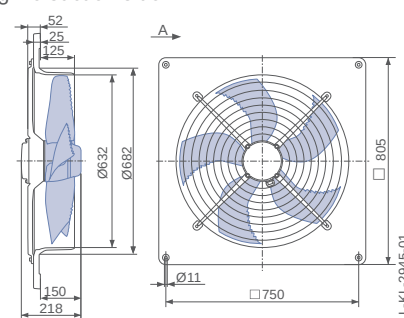


Design Q - square full bell mouth, without guard grille



Wall ring plate made of composite material

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



Wall ring plate made of composite material

Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Acoustic pressure level 7m	Specific power
		U V		I A	P _i W	n min ⁻¹	L _{pA} dB(A)	P _{spez} Wh/1000m ³
FF063-6E_4I_5R2	I	230	①	2.80	580	860		
			②	2.40	500	900		71.6
			③	2.30	480	900	45	40.2
			④	2.40	520	890	46	47.4
	II	170	⑤	2.80	420	650		
			⑥	2.50	400	740		68.9
			⑦	2.50	390	750	42	38.5
			⑧	2.60	400	720	43	50.1
	III	135	⑨	2.40	280	460		
			⑩	2.40	280	540		67.1
			⑪	2.40	280	540	37	38.3
	IV	110	⑫	2.10	190	350		
			⑬	2.00	190	400		61.2
			⑭	2.00	190	410	32	35.4

Fan ordering information

Airflow direction A			
Design	T (without guard grille)	Q (without guard grille)	Q (guard grille suction side)
			
Type	FF063-6ET.4I.A5R2	FF063-6EQ.4I.A5R2	FF063-6EQ.4I.A5R2
Article no.	159968	159966	159967
Wall ring plate		Wall ring plate made of composite material	Wall ring plate made of composite material
Weight kg	12.00	17.20	19.00
Supply temperature -10 °C - max 40 °C in design with wall ring plate made of composite material			

Control technology

Frequency inverters Fcontrol 1~	Motor protection units 1~	Electronic voltage controllers 1~
		
Page 132	Page 154	Page 138