

FFowlet

for single phase alternating current, 6 pole

FF 0 5 6 - 6 E



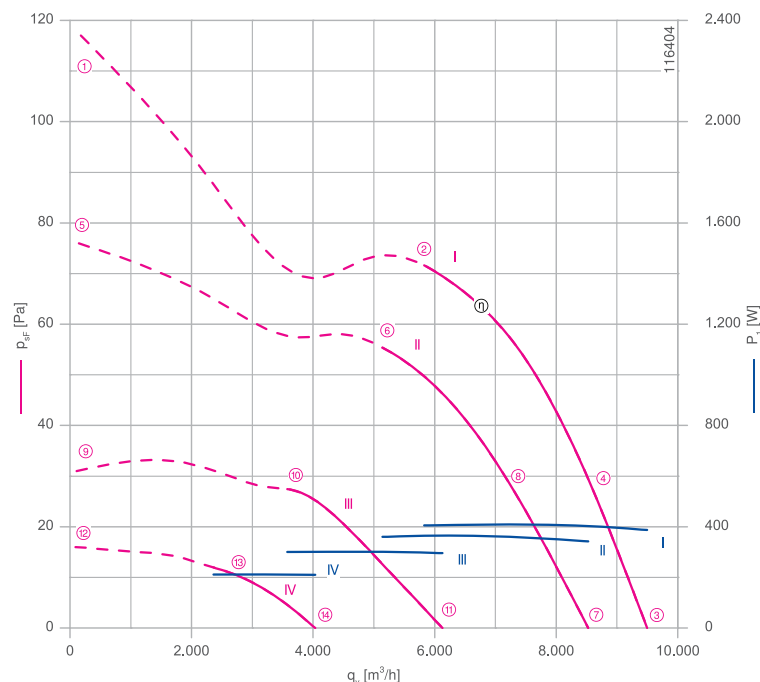
Description

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 : 0.40 kW*
Rated current I_N : 1.90 A*
Rated speed n_N : 920 min⁻¹*
Current increase ΔI : 30 %
Service capacitor C_{400V} : 7.0 μ F
Thermal class: THCL155*
Min. permitted ambient temperature $t_{R(min)}$: -25 °C
Max. permitted ambient temperature $t_{R(max)}$: 45 °C
Electrical connection: Terminal box
Number of blades: 5
Degree of protection : IP54
Motor protection: thermal contact
Blades: Aluminium, 2 coat paint, jet black
Rotor: Aluminium, 2 coat paint, jet black
Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 31.3 %
Efficiency: $N_{actual} = 40.0 / N_{target} = 40$ **
* Rated data
**ErP 2015

Characteristic curve



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

Connection diagram

Page 174
1360-104XB

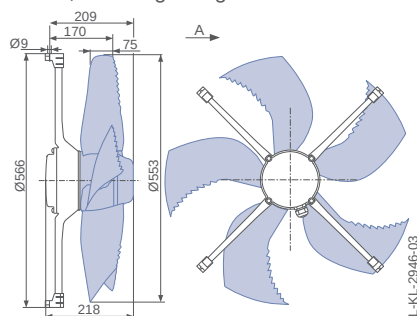
System components

Page 110

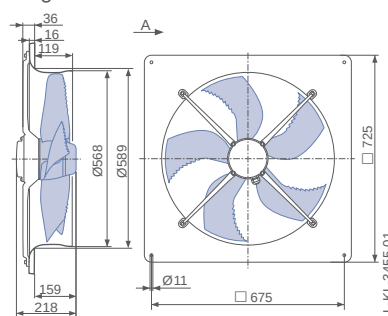
Dimensions mm

Airflow direction V

Design T - for installation in chimney ex-hausts, without guard grille

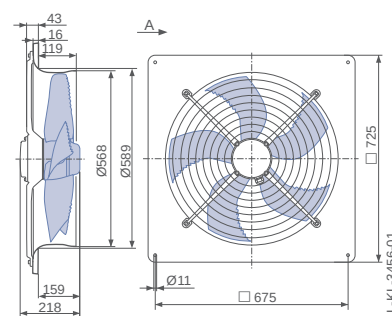


Design Q - square full bell mouth, without guard grille



Wall ring plate made of galvanized sheet steel

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



Wall ring plate made of galvanized sheet steel

Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Acoustic pressure level 7m	Specific power
		U V		I A	P ₁ W	n min ⁻¹	L _{pA} dB(A)	P _{spez} Wh/1000m ³
FF056-6E_.4I_.5R2	I	230	①	2.20	460	900		
			②	1.90	400	920		70.3
			③	1.80	390	930	49	40.8
			④	1.90	400	920	49	47.3
	II	170	⑤	2.70	420	720		
			⑥	2.20	360	810		70.9
			⑦	2.10	340	830	45	40.1
			⑧	2.30	370	800	46	50.7
	III	135	⑨	2.60	310	460		
			⑩	2.50	300	560		84.3
			⑪	2.40	300	600	39	48.2
			⑫	2.20	210	330		
	IV	110	⑬	2.20	210	380		89.5
			⑭	2.20	210	400	30	52.1

Fan ordering information

Airflow direction A			
Design	T (without guard grille)	Q (without guard grille)	Q (guard grille suction side)
			
Type	FF056-6ET.4I.A5R2	FF056-6EQ.4I.A5R2	FF056-6EQ.4I.A5R2
Article no.	170492	170491	170515
Wall ring plate		Wall ring plate made of galvanized sheet steel	Wall ring plate made of galvanized sheet steel
Weight kg	11.60	20.60	22.00

Control technology

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