

FFowlet with ZAplus

for three phase alternating current, 6 pole

ZF091-6D



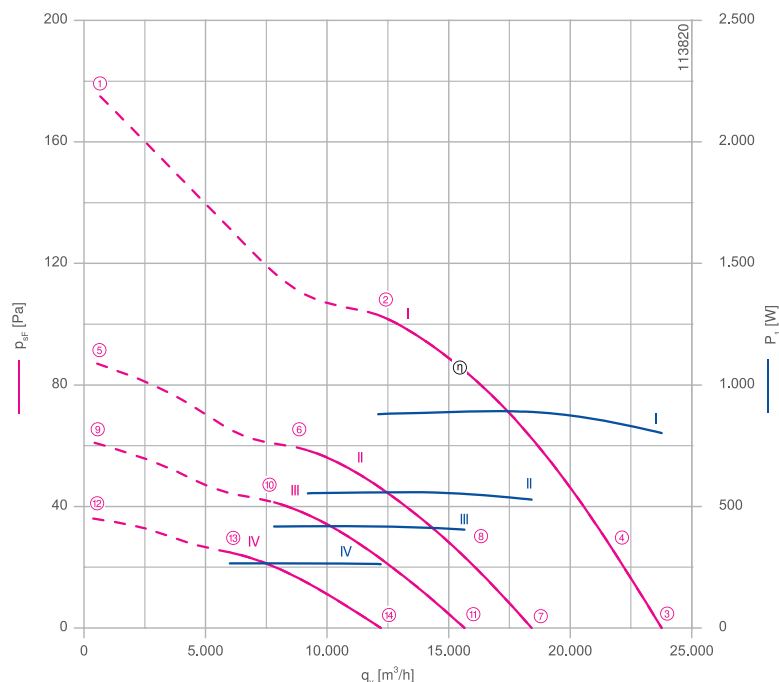
Description

Motor technology: AC
Rated voltage U_N : 3~ 230/400 V (Δ/Y) $\pm 10\%$
Rated frequency f_N : 50 Hz* (60Hz data available)
Input power P_i : 0.90 kW*
Rated current I_N : 3.40/1.95 A*
Rated speed n_N : 890 min⁻¹*
Starting current I_A : 10.00 / 6.00 A
Current increase ΔI : 0 %
Thermal class: THCL155*
Min. permitted ambient temperature $t_{R(min)}$: -40 °C
Max. permitted ambient temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 3
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} : 42.6 %
Efficiency: $N_{actual} = 49.3 / N_{target} = 40^{**}$
* Rated data
**ErP 2015

Characteristic curve



Measured in ZAplus without guard grille in installation type A according to ISO 5801

Connection diagram

Page 174
1360-106XA

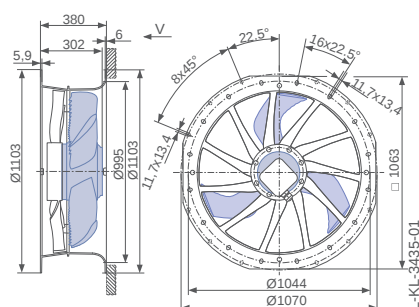
System components

Page 110

Dimensions mm

Airflow direction V

Design L - ZAplus Ontop without guard grille



Performance data

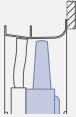
Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Acoustic pressure level 7m	Specific power
		U V		I A	P _i W	n min ⁻¹	L _{pA} dB(A)	P _{spez} Wh/1000m ³
ZF091-6D_6F_3P2	I	400	①	2.20	1100	850		
			②	1.90	880	890		72.7
			③	1.80	800	900	56	33.8
			④	1.90	860	890	55	39.9
	II	230	⑤	2.00	600	600		
			⑥	1.80	560	670		60.7
			⑦	1.75	520	700	49	28.7
			⑧	1.85	560	670	48	37.8
	III	190	⑨	1.80	440	500		
			⑩	1.70	420	570		54.3
			⑪	1.65	400	600	45	25.9
	IV	145	⑫	1.50	270	390		
			⑬	1.45	270	440		44.7
			⑭	1.40	260	470	39	21.5

Fan ordering information

Airflow direction V

Design

L (without guard grille)
Ontop



Type

ZF091-6DL.6F.V3P2

Article no.

169697

Weight kg

31.20

Control technology

Frequency inverters
Fcontrol 3~



Page 144

Motor protection units
3~



Page 154

Electronic voltage
controllers 3~



Page 150