

FE 2 owlet

for three phase alternating current, 10-10 pole

FN 1 2 5 - M D



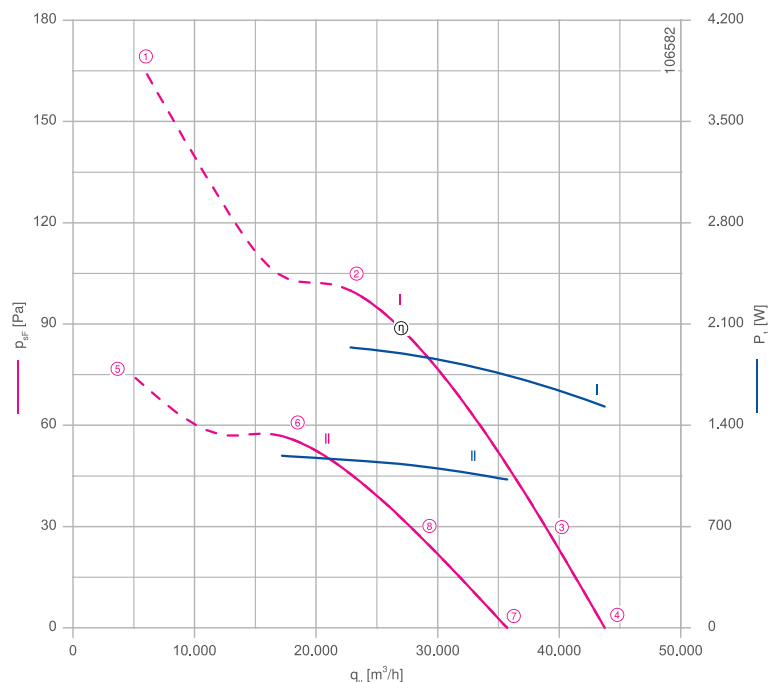
Description

Motor technology: AC
Rated voltage U_N : 3~ 400 V (Δ/Y) ± 10 %
Rated frequency f_N : 50 Hz*
Input power P_i : 1.95/1.20 kW*
Rated current I_N : 4.60/2.40 A*
Rated speed n_N : 530/ 400 min⁻¹*
Starting current I_A : 14.00 / 4.00 A
Current increase ΔI : 0 %
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -40 °C
Max. permitted ambient temperature $t_{R(max)}$: 65 °C
Electrical connection: Terminal box
Number of blades: 3
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} : 35.9 %
Efficiency: $N_{actual} = 40.5 / N_{target} = 40$ **
* Rated data
**ErP 2015

Characteristic curve



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

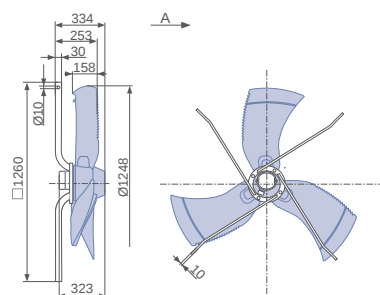
Connection diagram Page 174
1360-108XB

System components Page 110

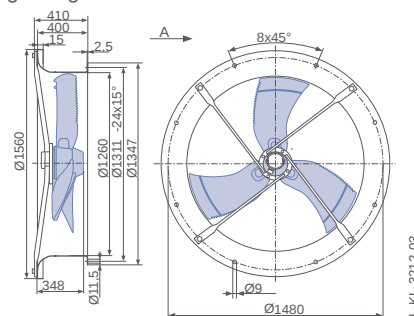
Dimensions mm

Airflow direction A

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

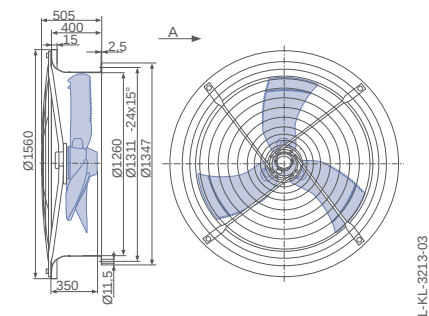


Design L - round full bell mouth, without guard grille



Wall ring plate made of galvanized sheet steel

Design L - round full bell mouth, guard grille suction side



Wall ring plate made of galvanized sheet steel



Performance data

Type	Characteristic curve	Connection	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
FN125-MD_.7Q_.3P1	I	Δ	400	①	5.40	2500	500		
				②	4.60	1950	530		85.2
				③	4.20	1550	550	49	35.0
				④	4.20	1700	540	48	43.1
	II	Y		⑤	2.70	1300	340		
				⑥	2.40	1200	400		69.3
				⑦	2.10	1000	450	43	28.7
				⑧	2.30	1150	420	41	40.6

Fan ordering information

Airflow direction A			
Design	T (without guard grille)	L (without guard grille)	L (guard grille suction side)
			
Type	FN125-MDT.7Q.A3P1	FN125-MDL.7Q.A3P1	FN125-MDL.7Q.A3P1
Article no.	168046	168047	168048
Wall ring plate		Wall ring plate made of galvanized sheet steel	Wall ring plate made of galvanized sheet steel
Weight kg	54.70	101.00	108.60

Control technology

Frequency inverters Fcontrol 3~	Motor protection units 3~	Electronic voltage controllers 3~
		
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Information

Low pressure

High pressure

System
components

Control
technology

Appendix