

Fiche produit Motralec Ziehl Abegg Fe2Owlet With Zaplus ZN063 SD 1 - fiche technique | Motralec

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Oil transformer cooling Fans for transformer cooling
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FE2owlet with ZApus

for three phase alternating current, 6-6 pole

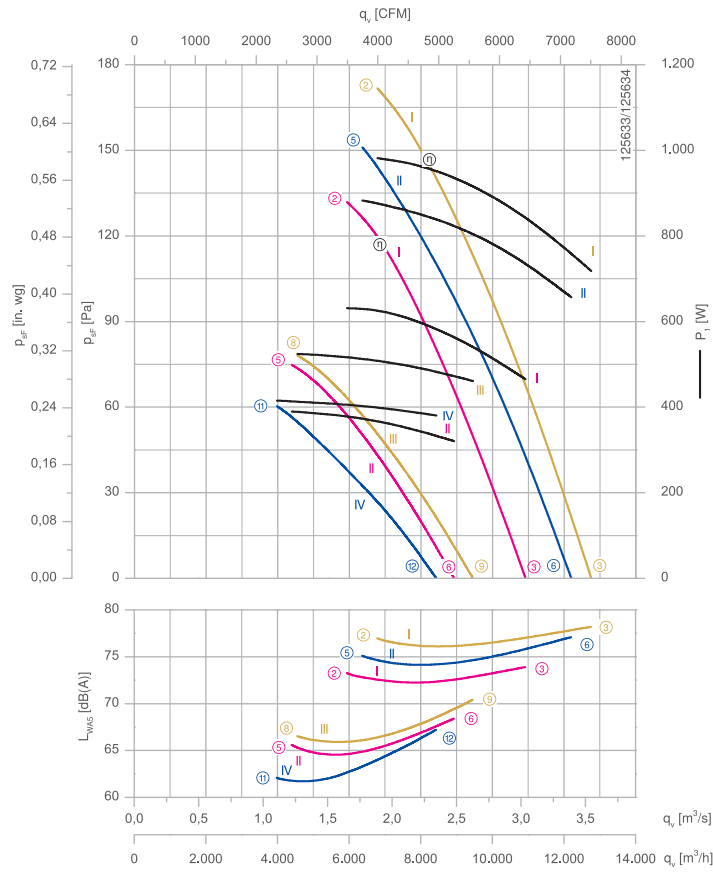
ZN063-SD



Description

Motor technology: AC
 Rated voltage $U_N \pm 10\%$:
3- 400 V (Δ/Y) | 3-400 V (Δ/Y) | 3-460 V (Δ/Y) *
 Rated frequency f_N : **50 Hz | 60 Hz | 60 Hz***
 Input power P_i :
640/390 W | 880/420 W | 980/520 W*
 Rated current I_N :
1.30/0.70 A | 1.60/0.78 A | 1.60/0.84 A*
 Rated speed n_N :
880/660 min⁻¹ | 940/590 min⁻¹ | 1000/670 min⁻¹*
 Speed n at $p_{stat} = 0$ Pa:
920/760 min⁻¹ | 1030/710 min⁻¹ | 1070/820 min⁻¹*
 Motor input power P at $p_{stat} = 0$ Pa:
460/320 W | 660/380 W | 720/460 W*
 Air flow q_v at $p_{stat} = 0$ Pa:
3.0/2.5 m³/s | 3.4/2.3 m³/s | 3.5/2.6 m³/s*
 Starting current I_A : **3.6/1.1 A | 3.2/0.95 A | 3.8/1.1 A**
 Current increase ΔI : **0 % | 0 % | 0 %**
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: **-40 °C*****
 Max. permitted ambient temperature $t_{R(max)}$:
70 °C | 60 °C | 60 °C
 Electrical connection: Terminal box
 Number of blades: 7
 Degree of protection : IP54
 Motor protection: thermal contact
 Blades: Aluminium, 2 coat paint,
 RAL 9005 (jet black)
 Rotor: Aluminium, 2 coat paint,
 RAL 9005 (jet black)
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{data} : 39.3 %
 Efficiency: $N_{actual} = 47.1 / N_{target} = 40$ **
 * Rated data
 **ErP 2015

Characteristic curve



Measured in ZApus and guard grille on suction side in installation type A according to ISO 5801.

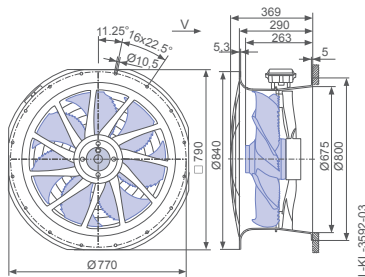
*** Continuous operation with occasional starts (S1) according to DIN EN 60034-1:2011-02. Occasional starting between -40 °C and -25 °C is permissible. Continuous operation below -25 °C only with special bearings for refrigeration applications on request.

Connection diagram Page 252
 1360-108XA
 System components Page 184

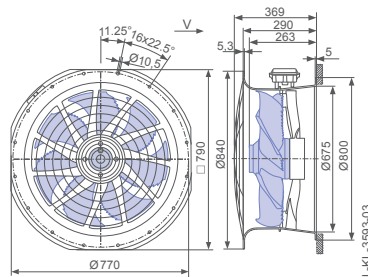
Dimensions mm

Airflow direction

Design L - ZApus, guard grille suction side with connection box



Design L - ZApus, guard grille two-sided with connection box


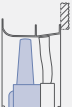


Type	Connection	Characteristic curve	Voltage	Frequency	Operating point	Current	Input power	Speed	Suction side sound power level
			U V	f Hz		I A	P _i W	n min ⁻¹	L _{WAS} dB(A)
ZN063-SDL.4I.V7P1	Δ	I	400*	50	②	1.30*	640*	880*	73
					③	1.10*	460*	920*	74
	Y	II	400*	50	⑤	0.70*	390*	660*	66
					⑥	0.58*	320*	760*	68
	Δ	I	460*	60	②	1.60*	980*	1000*	77
					③	1.30*	720*	1070*	78
		II	400*	60	⑤	1.60*	880*	940*	75
					⑥	1.25*	660*	1030*	77
	Y	III	460*	60	⑧	0.84*	520*	670*	67
					⑨	0.72*	460*	820*	70
	Y	IV	400*	60	⑪	0.78*	420*	590*	62
					⑫	0.70*	380*	710*	67

*rated data

Fan ordering information

Airflow direction

Design	L (guard grille suction side)	L (guard grille two-sided)
		
Type	ZN063-SDL.4I.V7P1	ZN063-SDL.4I.V7P1
Article no.	176015/10K4	176015/10K6
Weight kg	21.00	22.00
ZApplus attachable on both sides.		

Control technology

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