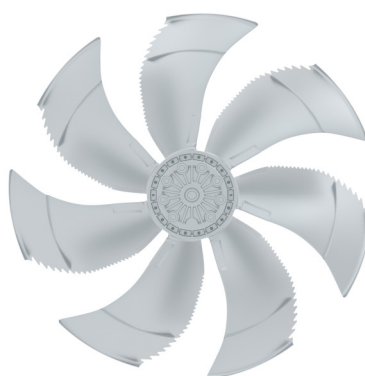


Movement by Perfection



The Royal League in ventilation, control and drive technology



[Product documentation](#)

Type
FN080-SDQ.6N.V7P5

Article number
168786

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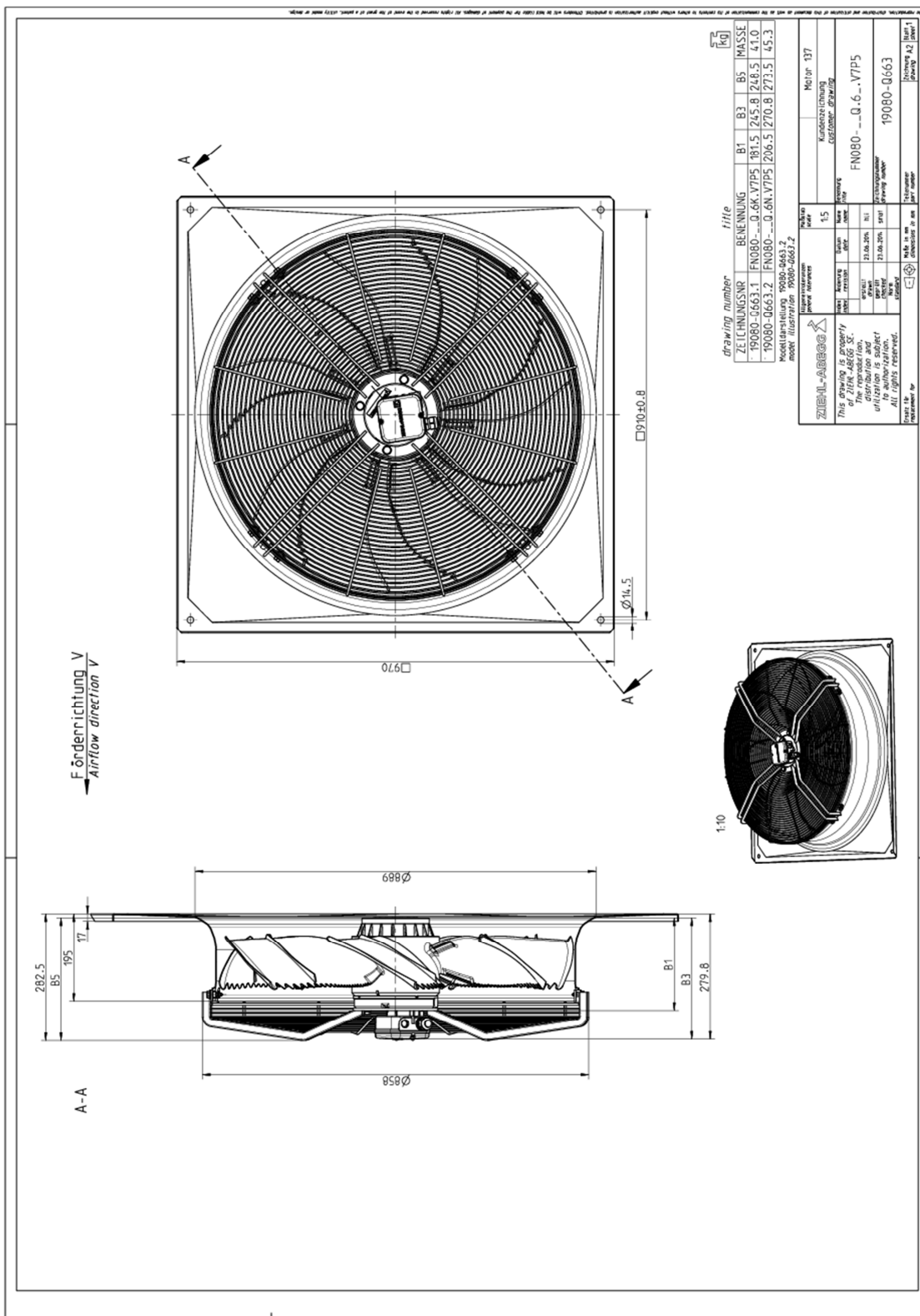
Freephone 0508 634 341 | Fax 09 634 7417

7 Monier Pl, Mt Wellington, Auckland 1060, New Zealand

1. Product specification

Technical data

Article number	168786
Type	FN080-SDQ.6N.V7P5
Designation	Axial fan with sickle blades
Rated values	3~400V±10% D/Y 50Hz P ₁ 1.90/1.10kW 3.90/ 2.00A ΔI=0% 870/ 630/min COSY 0,70 60°C
Electrical connection	Terminal box K62
Min. operating temperature °C	-40
Mounting type terminal box	Mounted on Stator
Type of protection	IP54
Thermal class	THCL155
Connection diagram	1360-108XA
Rating plate	1x fixed
Fitting position	H/Vu/Vo
Motor protection	thermal contact
Impregnation	Moisture and hot climate protection
Quality of bearings	ball bearing with long-time lubrication
Material Rotor	Aluminium
Painting rotor	unpainted
Material blades	Aluminium
Painting impeller	unpainted
Guard grille type	ring grille
Other	All connecting elements in stainless steel.
Painting pipe	Bell mouth powder-coated consistency class 2
Colour pipe	RAL 9005 (jet black)
Painting mot.suspens	Motor suspension powder-coated consistency class 2
colour suspension	RAL 9005 (jet black)
Weight kg	42,60
ErP Data	Efficiency η_{statA} : 36.3 % Efficiency: $N_{actual} = 41.0 / N_{target} = 40^*$ *ErP 2015



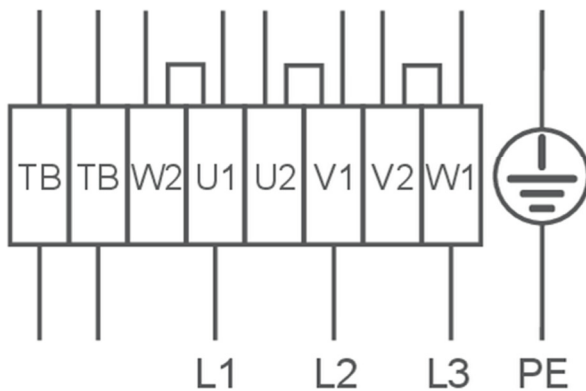
3. Connection diagram

1360-108XA

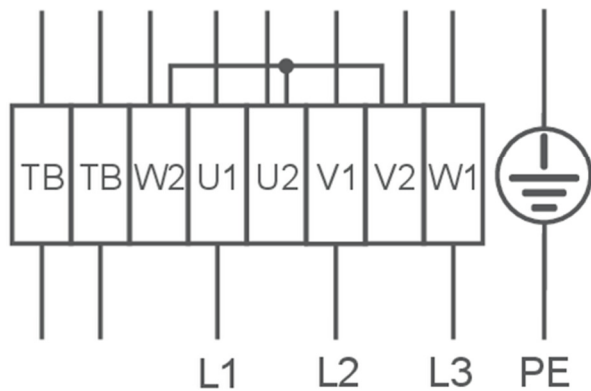
3~ motor, 2 speeds (Δ/Y switch over) with thermostatic switch (if built in). Without bridge when using speed change-over switch.

U1	brown
V1	blue
W1	black
U2	red
V2	grey
W2	orange
TB	white

High speed/D-connection



Low speed/Y-connection



4. EU-Declaration of conformity

EC-Declaration of conformity

as defined by the EC Low Voltage Directive 2006/95/EC, the EMC guideline 2004/108/EC, as well as ErP guideline 2009/125/EG.

The type of machinery:

- External rotor motor MK..., MW...
- Axial fan FA..., FB..., FC..., FE..., FF..., FS..., FT..., FH..., FL..., FN..., VR..., VN..., ZC..., ZF..., ZN...
- Centrifugal fan RA..., RD..., RE..., RF..., RG..., RH..., RK..., RM..., RR..., RZ..., GR..., ER...
- Cross-flow fan QK..., QR..., QT..., QD..., QG...

Motor type:

- Asynchronous internal or external rotor motor
- Asynchronous internal or external rotor motor with integrated frequency inverter, except EDP system
- Electronically commutated (EC) internal or external rotor motor
- Electronically commutated internal or external rotor motor with integrated EC controller, except EDP system

is developed, designed and manufactured in accordance with the EC Directives 2006/95/EC, 2004/108/EC and 2009/125/EC, on the own responsibility of

ZIEHL-ABEGG SE
Heinz-Ziehl-Strasse
D-74653 Kuenzelsau

The following standards are applied:

EN 60034-1:2010+Cor.:2010, EN 60204-1:2006, EN 60529:1991 + A1:2000, EN 61000-6-3:2007, EN 61000-6-2:2005

Compliance with the ErP Directive 2009/125/EC does not refer to external rotor motors MK..., MW...

All ErP-relevant information comprises measurements which are determined using a standardised measurement set-up. More details can be obtained from the manufacturer.

Compliance with the EMC Directive 2004/108/EEC only applies to this product if it is connected according to the operating instructions. If this product is integrated in a system or complemented and operated with other components (e.g., switching and control equipment), the manufacturer of or company operating the overall plant is responsible for compliance with the EMC Directive 2004/108/EEC.

The complete technical documentation is available.

22.11.2013

Dr. W. Angelis - Technical Director Air Movement
Division

Dr. W. Angelis

ZA75-GB-12/13 Index 008

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The Royal League Die Königsklasse



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