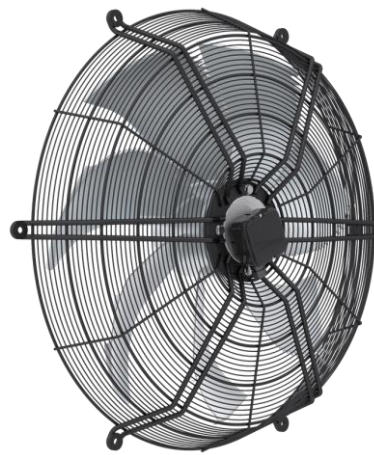


Movement by Perfection



The Royal League in ventilation, control and drive technology



[Product documentation](#)

Type
[FN080-SDK.6N.V7P5](#)

Article number
[168788](#)

Product documentation

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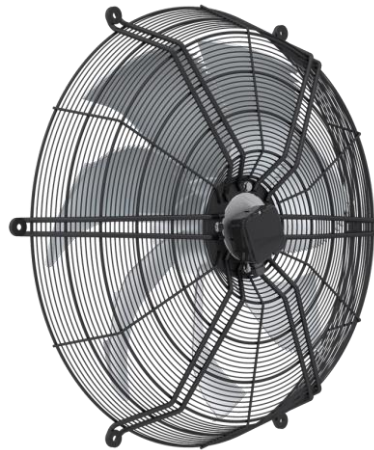


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1. Recitals

The Product Specifications contained in this document are final, unless otherwise stated by a separate provision in the "ZIEHL-ABEGG deviation list document" with respect to information provided by the customer (cp. separate Chapter: Attachment).

Other regulations between the parties, regardless of time, form or content, are not part of the subject matter of the contract and the agreement on characteristics/of features (Product Specifications) between the parties.

Compliance with the following specifications is mandatory to ensure the functionality and safety of the product. If the following specifications given especially but not limited for operating conditions, transport, storage, mounting, start-up, maintenance and repair are not observed, the product may not operate safely and may cause a hazard to the life and limb of users and third parties.

Deviations from the following requirements may therefore lead both to the loss of the statutory material defect liability rights and to the liability of the buyer for the product that has become unsafe due to the deviation from the specifications.

2. Product Specification - Technical Data

Article number	168788
Type key	FN080-SDK.6N.V7P5
Designation	Axial fan with sickle blades
Fan design	with guard grille for short bell mouth
Rated values	3~400V D/Y 50Hz P(1) 1.90/1.10kW 3.9/2.0A $\Delta I=0\%$ 870/630/min COSY 0,70 60°C Hz
Electrical connection	Terminal box K62
Conformity	ErP2026-Status: Non compliant
ErP Data	Measurement category ErP: A Air flow $q(v)$ on Eta opt: 15170 m ³ /h Pressure increase $p(fs)$ on Eta opt: 150 Pa Input power P(1) on Eta opt: 1797 W Efficiency H(statA): 36.3 % Efficiency grade: $N(actual) = 41.0 / N(target) = 40^*$ *ErP 2015
Thermal class	THCL155
Painting motor	Fan unpainted
Colour suspension	RAL 9005 (jet black)
Material rotor	Aluminium
Painting rotor	Rotor unpainted
Material blades/impeller	Aluminium
Painting impeller	Blades unpainted
Connection diagram	wiring diagram: 1360-108XA
Fitting position	H/Vu/Vo
Motor protection	thermal contact
Type of protection	IP54
Impregnation	Moisture and hot climate protection
Quality of bearings	ball bearing with long-time lubrication
Colour motor	Fan unpainted.
Rating plate	1x fixed
Condens. drain holes	Condensation drain holes stator/rotor open
Guard grille type	ring grill
Miscellaneous	
Terminal box mount	Mounted on Stator
Number of blades	7
Blade setting	P
Operating manual	L-BAL-F001
Weight	37.90 kg
Min. operating temperature	-40°C***
Disclaimer CT20/DOE	This product is currently not tested for compliance with U.S. DOE and CT20 regulations. The Purchase constitutes confirmation that the products intended use is exempt as per 10 CFR Part 431.174 paragraph A(3), or is for use in markets unaffected by these

Article number
168788

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Die Königsklasse

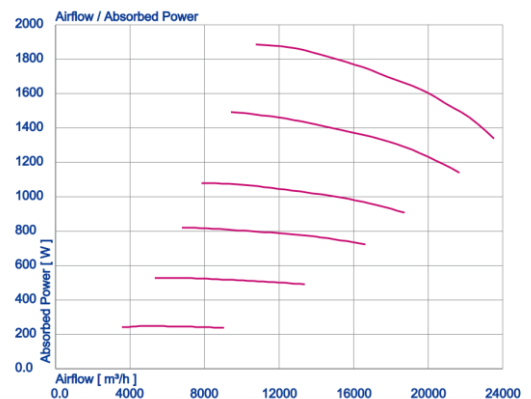
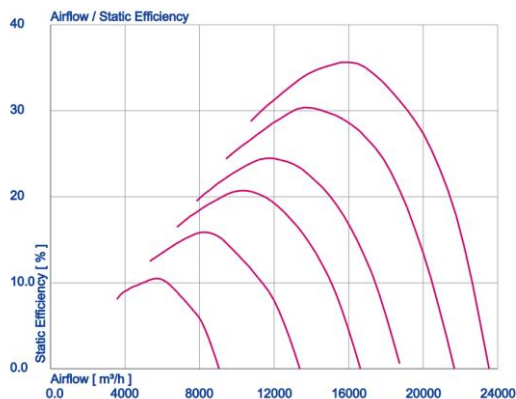
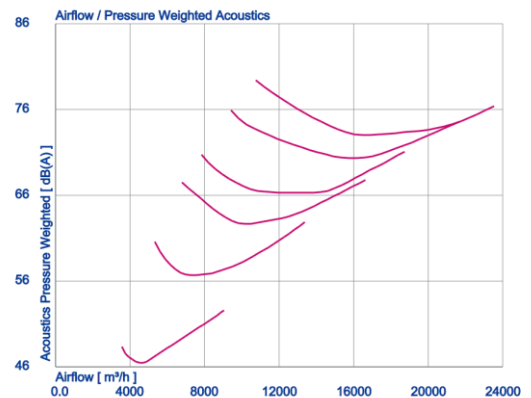
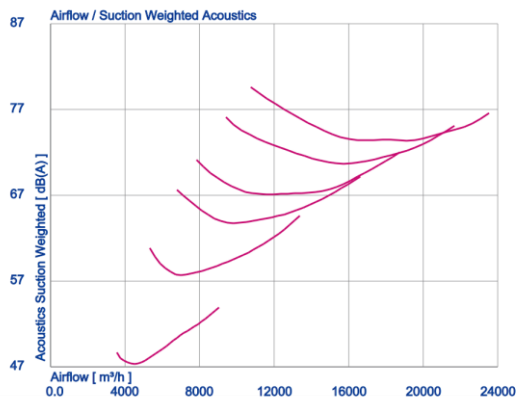
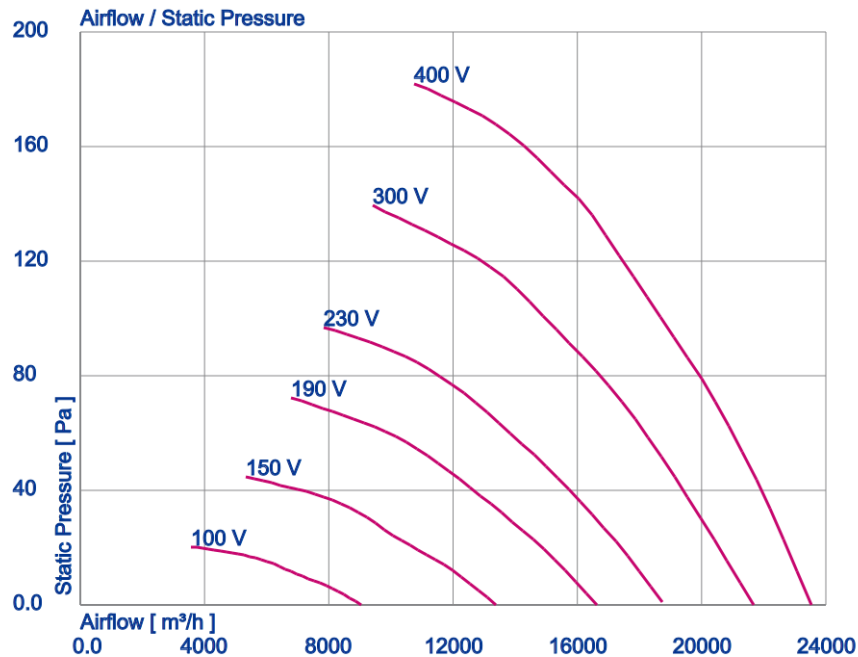
standards, as our customer we recommend you to
verify local compliance prior to use.

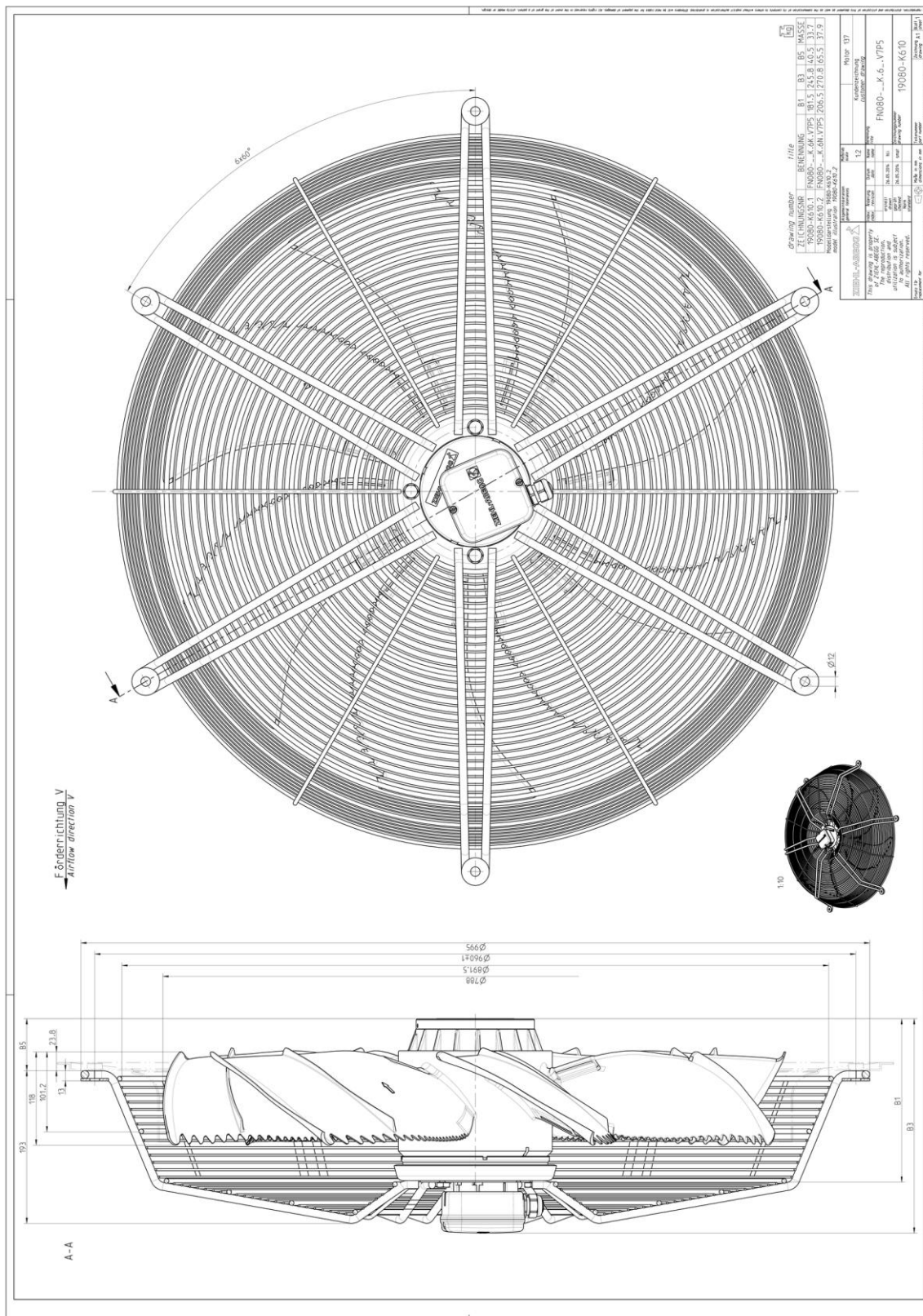
*** Operation mode: Continuous operation with occasional starts (S1) according to DIN EN 60034-1:2011-02. Occasional starting between -40 °C and -25 °C is permissible. Continuous operation below -25 °C only with special bearings for refrigeration applications on request.

3. Characteristic Curve

3~400V 50Hz
according to ISO5801

Measured in full nozzle without guard grille in air flow direction V in installation type A

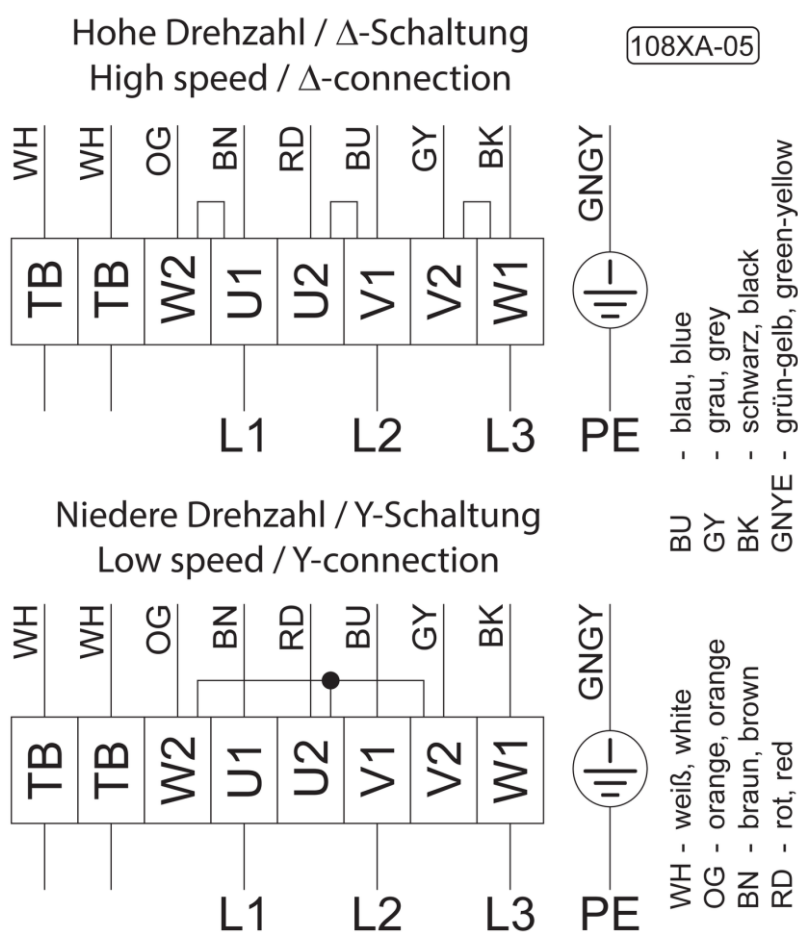




5. Connection Diagram

3~ Motor mit 2 Drehzahlen (Δ /Y-Umschaltung) und Thermostatschalter (falls eingebaut). Ohne Brücke bei Verwendung von Drehzahlumschalter.

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



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