



Movement by Perfection



The Royal League in **ventilation**, control and drive technology



[Product documentation](#)

Type
DN10V-4DF.N7.29.G9_30kW

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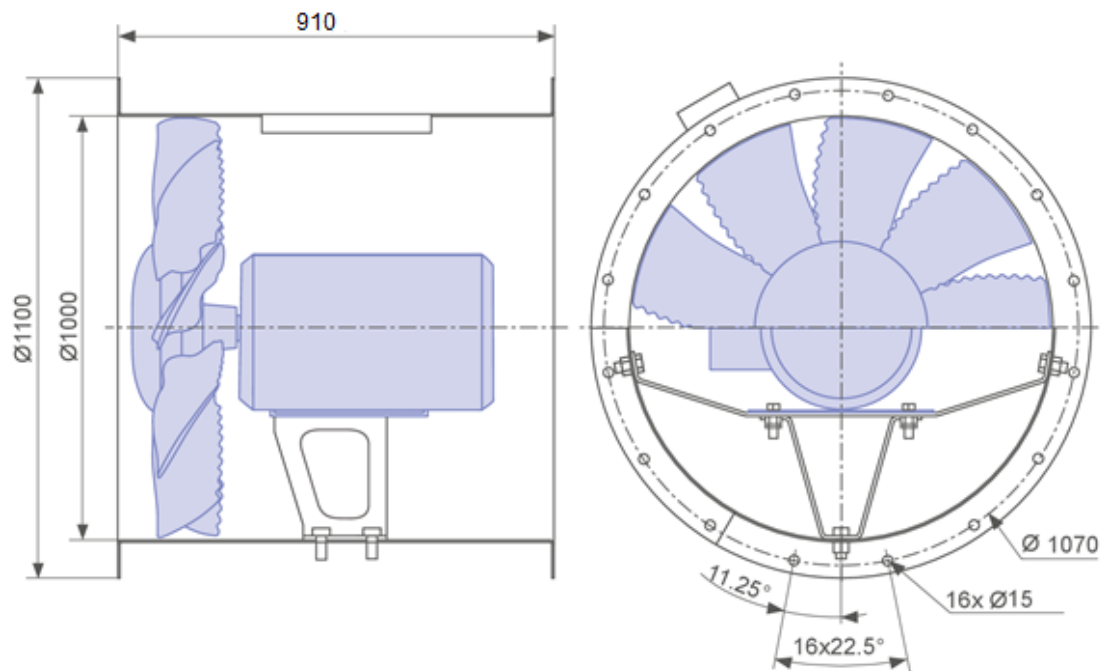
Die Königsklasse

Product specification

Technical data

Article number	-
Type	DN10V-4DF.N7.29.G9
Designation	Medium pressure axial fan
Rated values	3~400/690V D/Y 50Hz; 30kW 53,80/31,20A; 1475/min
Electrical connection	Terminal box on motor
Approx. weight kg	398,00kg
min. operating temp.	-20 ~ +50°C
Type of protection	IP55
Thermal class	Thermal class 155
Fitting position	Fitting position horizontal / vertical
Number of blades	9
Corrosion protection	Hot Dip Galvanized Steel
Motor protection	Motor protection through PTC
Balancing quality	Balancing quality G6,3
Material blades	ZAmid
Painting impeller	Without
Colour blades	Blue
certificated	GOST certified, ...
Painting housing	Unpainted casing
ErP Data	Efficiency η_{statA} : 47,6 % Efficiency grade: N = 46,9 (actual) / N = 40 (target)* *ErP 2015

Drawing



Dimensions in mm

Shown drawing is just to show the dimensions of the fan.

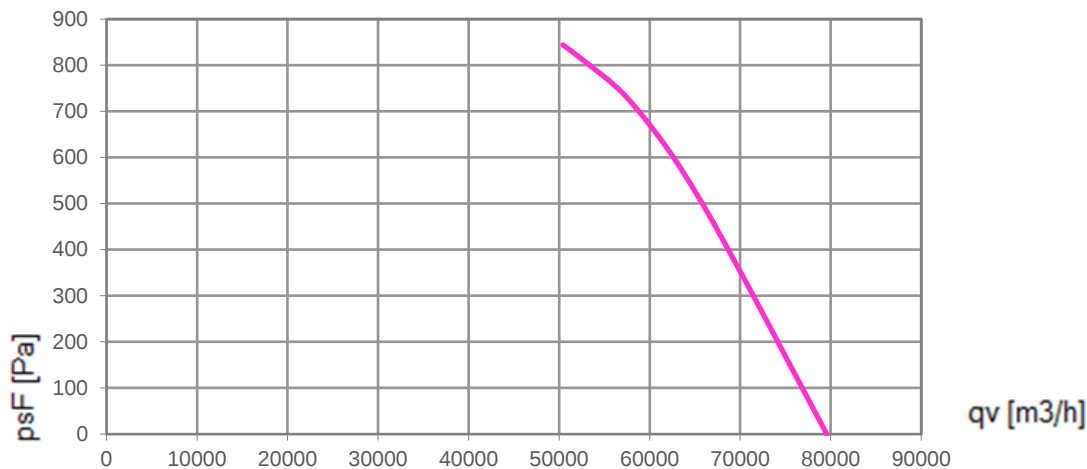


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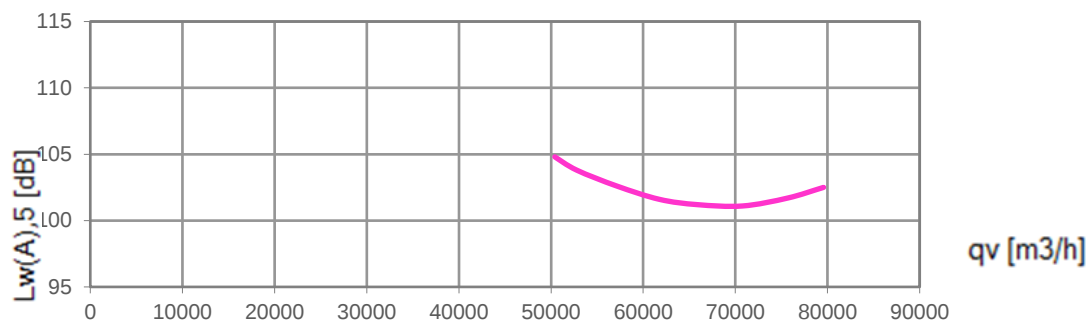
Die Königsklasse

Characteristic curve

Air performance



Acoustics



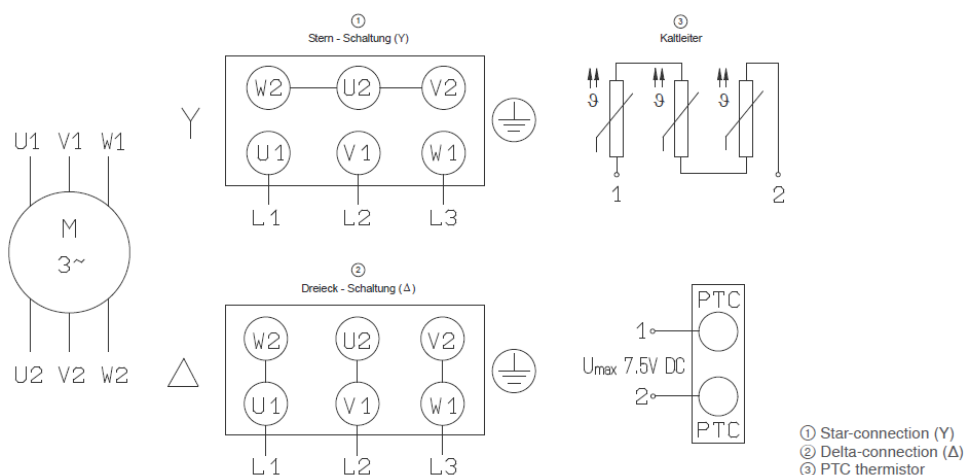
Measured in long casing with inlet bell mouth without guard grille in installation type A air flow impeller/motor according to ISO 5801.

Please note: It's not allowed to use this fan in the stall area!*

*In doubt please ask your responsible ZIEHL-ABEGG sales contact.

Measurements based on Motors with efficiency class IE3

Connection diagram



Reversible rotation by interchanging phases

Rated voltage:

Motor size ≤ 90: 230 V Δ / 400 V Y

Motor size ≥ 100: 400 V Δ / 690 V Y



Optional accessories

Frequency inverter FXDM62A 308092

400V 62A 30kW IP54 386x525x283



Setting of the desired speed through device or by external default, e.g. 0~10V



Connecting pressure sensors, e.g. 0~30 bar, 0~50 bar



Connection of thermistors e.g. sensors type TF, sensors type MTG



Connecting differential pressure sensors e.g. type MPG 0~6000Pa



Connecting air velocity sensors e.g. type MAL, measuring range 0~1 m/s, 0~10 m/s

Connecting additional sensors e.g. CO₂, sensors signal 0~10V / 0~20mA / 4~20 mA

Motor protection

MSR220K – T2211775 (with reset) – 2U, AC 220-240V



Electronic reclosing lock
Integrated RESET-button
Link for external RESET
Automatic RESET at voltage recovery
LEDs for power ON (green) and alarm (red) in reset – button
UL Recognized Component
Option: other supply-voltages

Accessories:

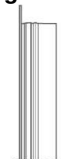
Inlet ring – 00500366



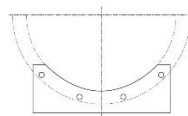
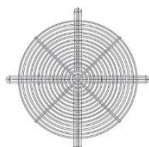
Flexible connector – 00500447



Mating flange – 00500350



Mounting feet – 00500380

Guard grille (Mesh 10mm) on the suction side
– 00500150Guard grille (Mesh 20mm) on the engine side
– 00500549