



Movement by Perfection



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



Product documentation

Type
FN080-6DS.6N.V7

Article number
157403

Fan type
FN080-6DS.6N.V7

Article number
157403



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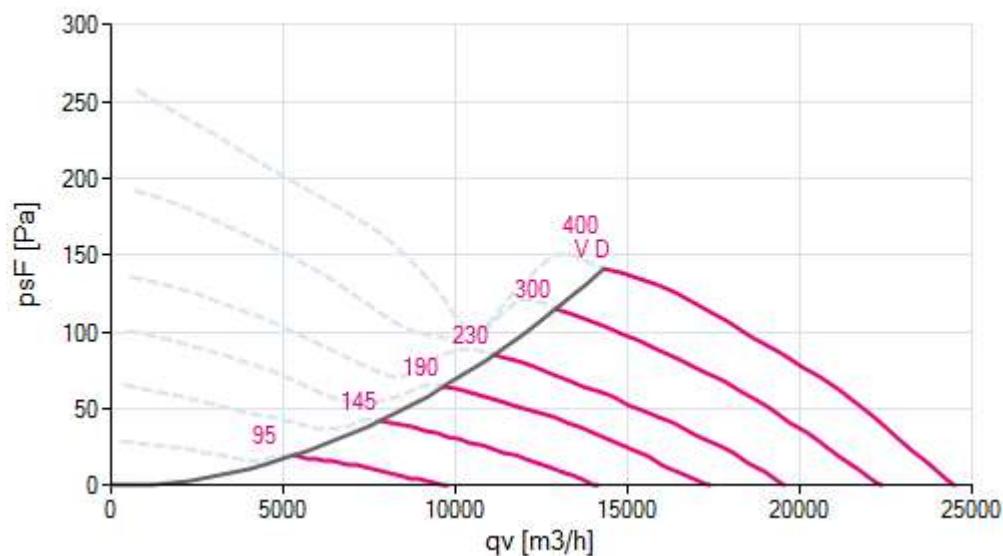
1. Product specification

Technical data

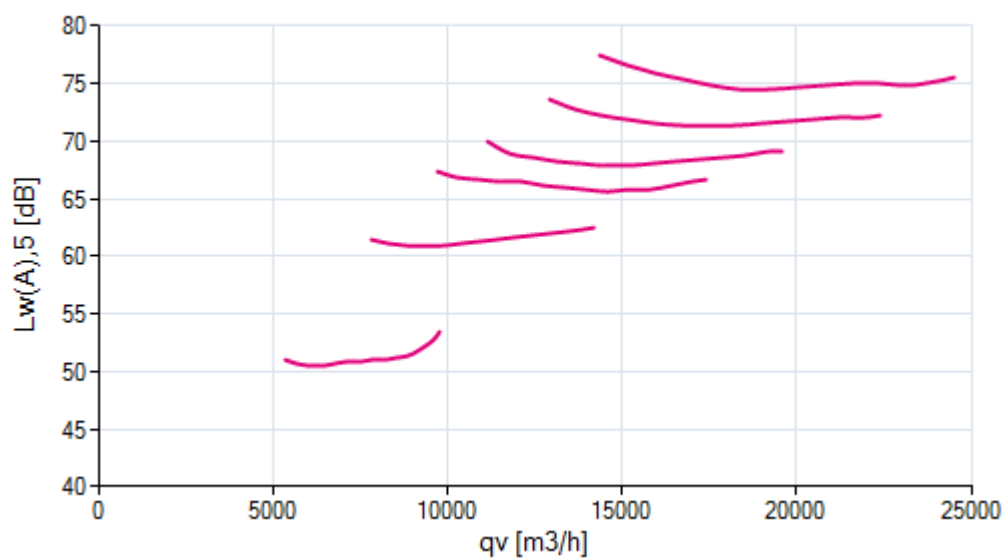
Article number	157403
Type	FN080-6DS.6N.V7
Designation	Axial fan with sickle blades
Rated values	3~230/400V±10% D/Y 50Hz P ₁ 1,60kW 6.20/ 3.60A ΔI=0% 870/min COSY 0,66 70°C 3~230/400V±10% D/Y 60Hz P ₁ 2.20kW 7,10/ 4,10A ΔI=0% 930/min COSY 0,78 60°C 3~265/460V±10% D/Y 60Hz P ₁ 2.50kW 7,30/ 4,20A ΔI=0% 990/min COSY 0,75 55°C
Electrical connection	Terminal box K62
Min. operating temperature [°C]	-40
Terminal box,mount.	Mounted on Stator
Type of protection	IP54
Thermal class	THCL155
Connection diagram	1360-106XA
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 mot.suspens	Motor suspension powder-coated consistency class 2
colour suspension	RAL 9005 (jet black)
Weight [kg]	36,50
ErP Data	Efficiency η_{statA} : 36,0 % Efficiency: $N_{actual} = 40,9 / N_{target} = 40^*$ *2015

2. Characteristic Curve

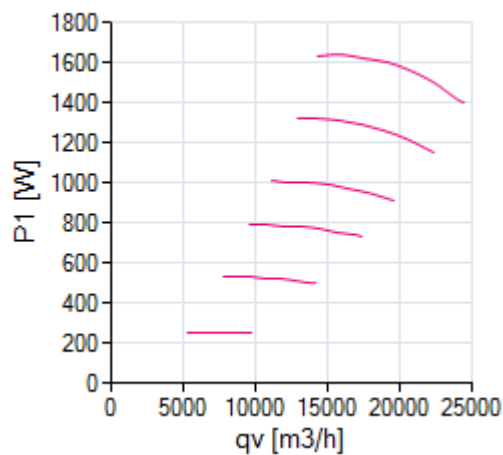
Air performance



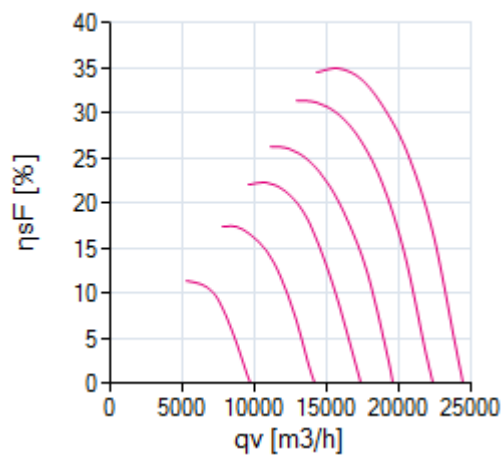
Acoustics



Power input

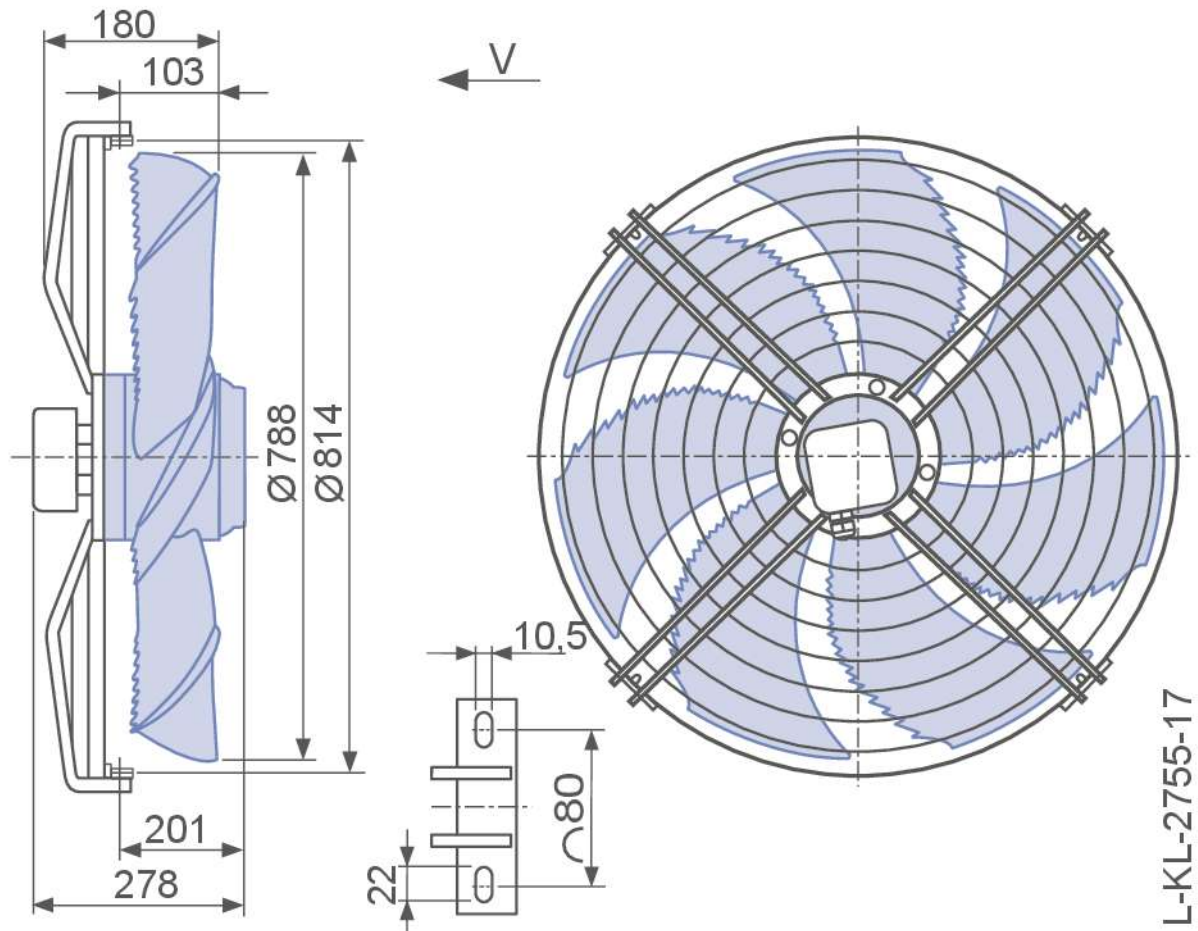


Efficiency



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

3. Drawing



Dimensions in mm

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

4. Connection diagram

Connection diagram

1360-106XA

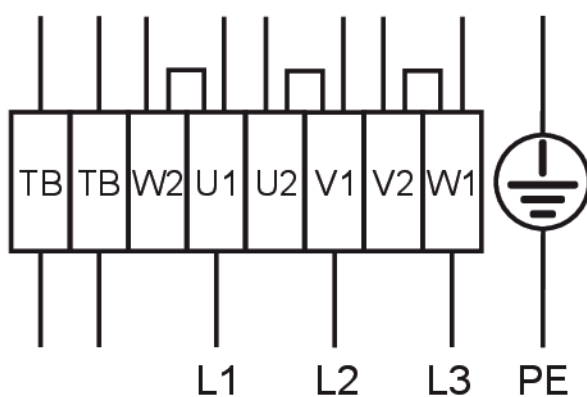
Description

3~ motor with one speed and thermostatic switch (if built in).

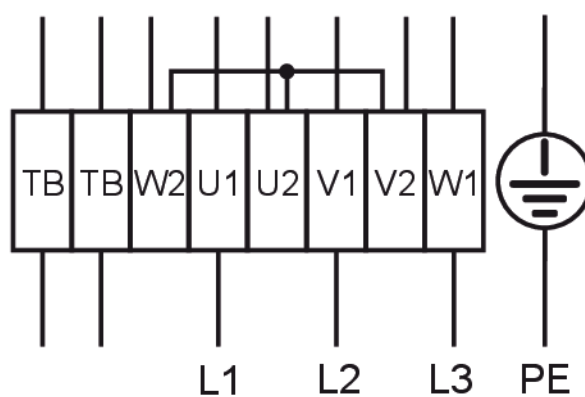
Cable colours

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

Δ-connection



Y-connection



5. EU-Declaration of conformity



The Royal League

Die Königsklasse



The Royal League in ventilation, control and drive technology

Intelligent control technology for any application

ZIEHL-ABEGG system capabilities:

Everything from a single source – perfectly matched for optimal performance

Please contact us. We would be pleased to design an individual solution for your requirements.