

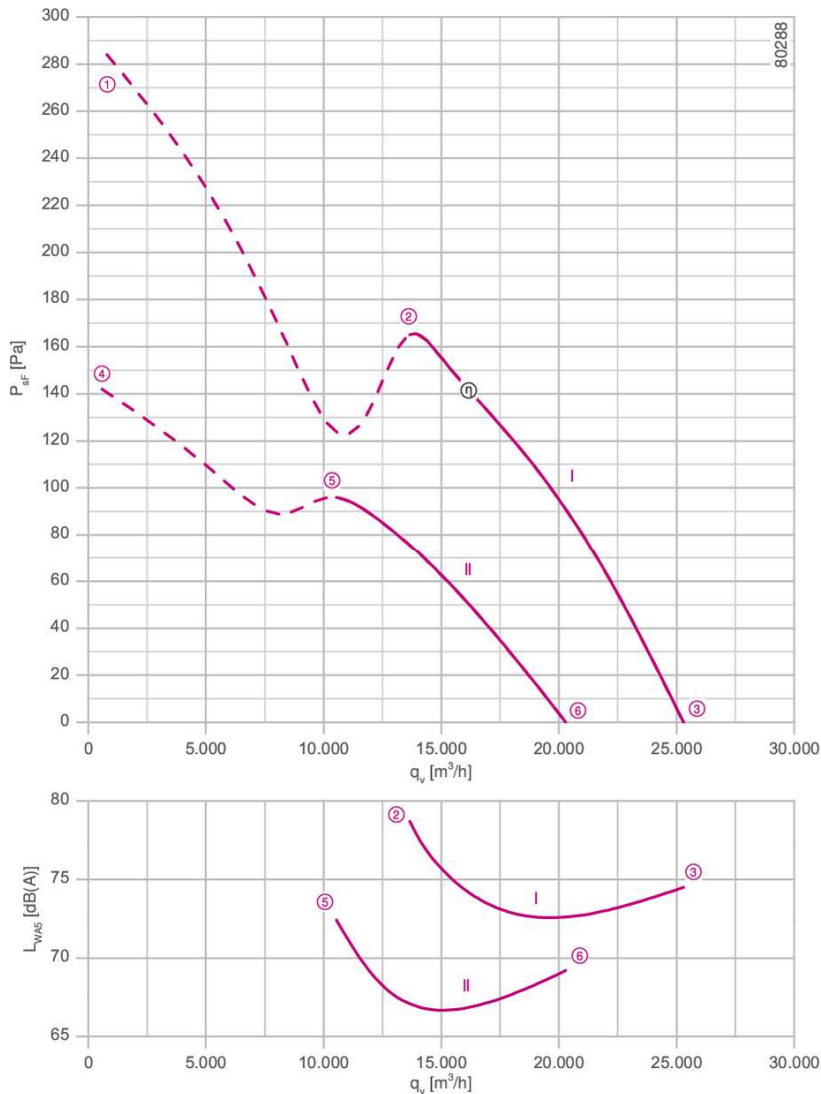
1. Product specification

Technical data

Article number	153975
Type	FN080-SDQ.6N.V7
Designation	Axial fan with sickle blades
Rated values	3~400V±10% D/Y 50Hz P ₁ 1.80/1.15kW 3.90/ 2.20A ΔI=5% 900/ 700/min COSY 0,68 65°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	Rotor 1 coat painted
colour rotor	RAL 9005 (jet black)
Material blades	Aluminium
Painting impeller	1 coat painted
Colour blades	RAL 9005 (jet black)
Guard grille type	ring grille
Painting pipe	Bell mouth 1 coat paint
Colour pipe	RAL 9005 (jet black)
Painting mot.suspens	Motor suspension 1 coat paint
colour suspension	RAL 9005 (jet black)
Weight kg	48,80
ErP Data	Efficiency η_{statA} : 36.8 % Efficiency: $N_{actual} = 41.5 / N_{target} = 40^*$ *ErP 2015

2. Characteristic curve

Frequency: 50 Hz

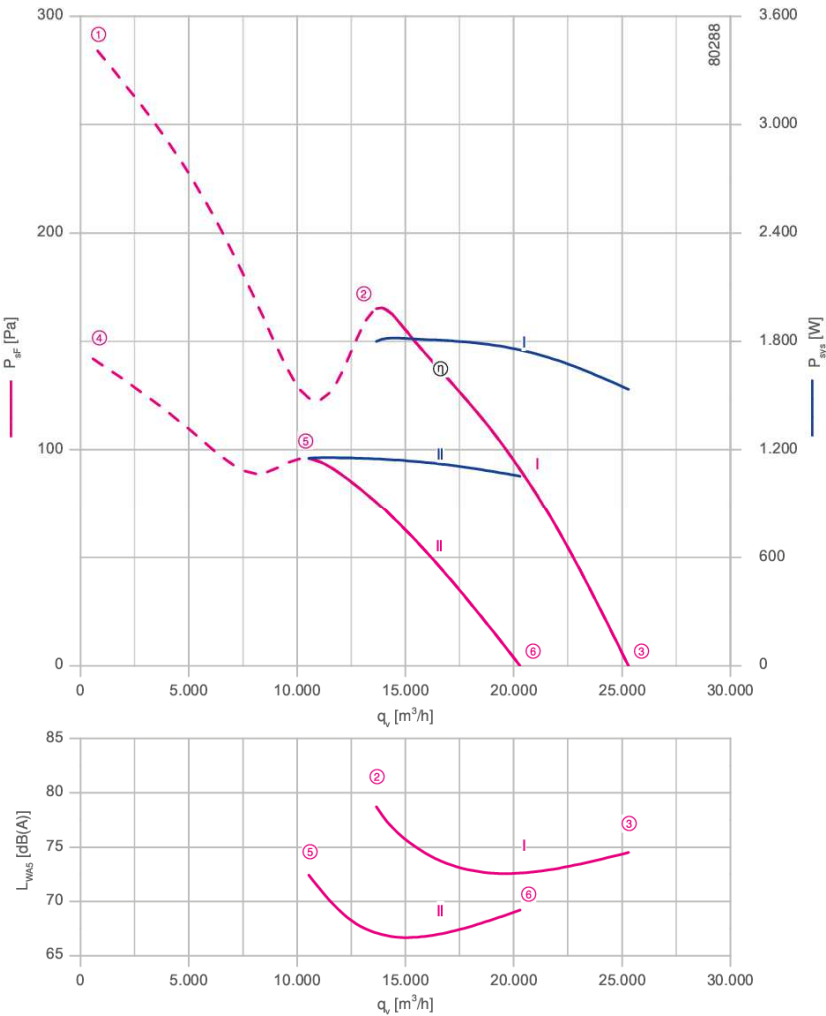


UmbruchKL

Characteristic curve

Frequency: 50 Hz

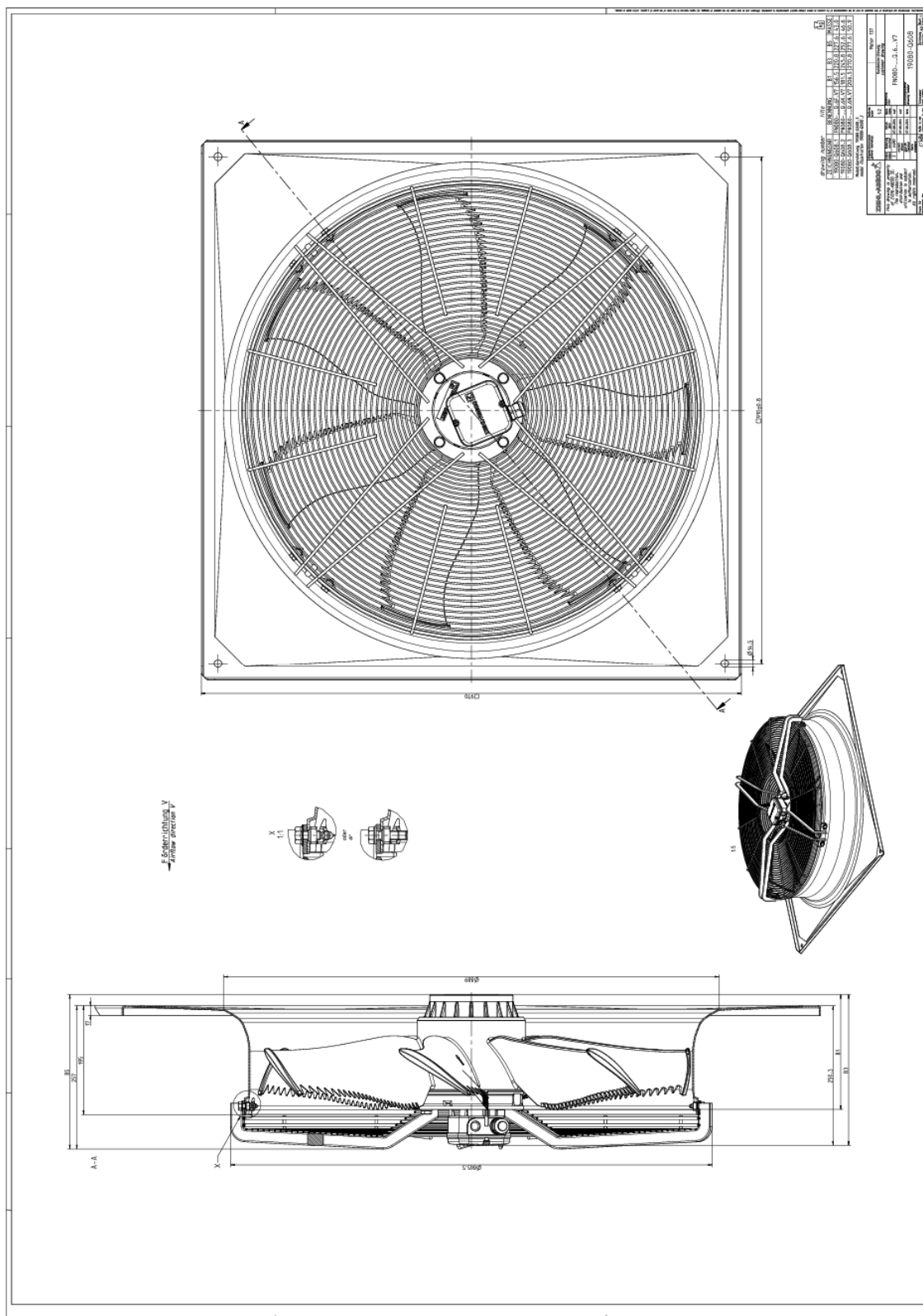
Measured in full bell mouth without guard grille in installation type A according to ISO 5801.



I = 400 V, II = 400 V

Operating point		①	②	③	④	⑤	⑥
Characteristic curve		I	I	I	II	II	II
Connection		Δ	Δ	Δ	Y	Y	Y
Voltage	V	400	400	400	400	400	400
Input power	W	2400	1800	1550	1300	1150	1050
Current	A	4,80	3,90	3,60	2,50	2,20	2,00
Speed	min ⁻¹	860	900	920	600	700	740

3. Drawing



Dimensions in mm

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

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ErstellsQQQXXXYYdate

Movement by Perfection | Bewegung durch Perfektion

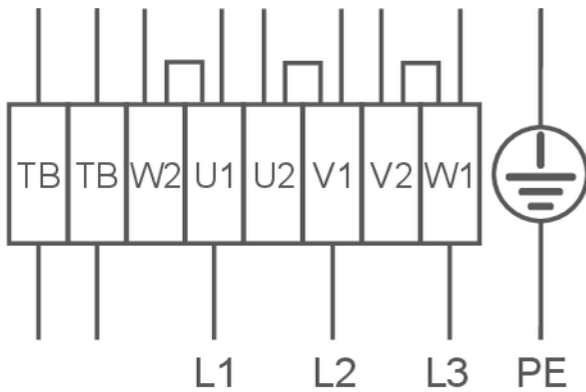
4. Connection diagram

1360-108XA

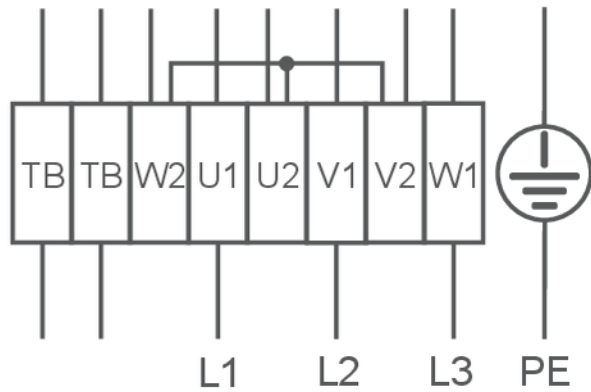
3~ motor, 2 speeds (Δ/Y switch over) with thermostatic switch (if built in). Without bridge when using speed change-over switch.

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

High speed/D-connection



Low speed/Y-connection



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