



## données ventilateur

05.03.2024

version FANselect V 1.01 (240305), AMCA V 1.03 September, 2021 <br> RLT V 1.00 Dezember, 2021 / 1.24.03.05 | 35883 | (utilisateur ZAFS25883)



type	<b>FN056-VDK.4M.V7P2</b>
n°article	159443   Portfolio Europe

### caractéristiques

moteur		AC
tension principale	-	3~ 400V 50Hz Y
intensité nominale (I <sub>N</sub> )	A	1.10
température ambiante (t <sub>r</sub> )	°C	70
rendement η <sub>statA</sub>	%	33,7
Rendement N <sub>actual</sub>   N <sub>target</sub>		<b>40,1</b>   40
classe ErP		2015
grille   influence		pressure side   measured

### données ventilateur

frequence (f <sub>BP</sub> )   (f <sub>max</sub> )	Hz	<b>50</b>   60
dimensions (LxIxh)	mm	725 x 725 x 245
poids (m <sub>pr</sub> )	kg	15.4

PF:PF\_61; Ano:159443; STol:+-10 %



## courbe debit/pression / Acoustic

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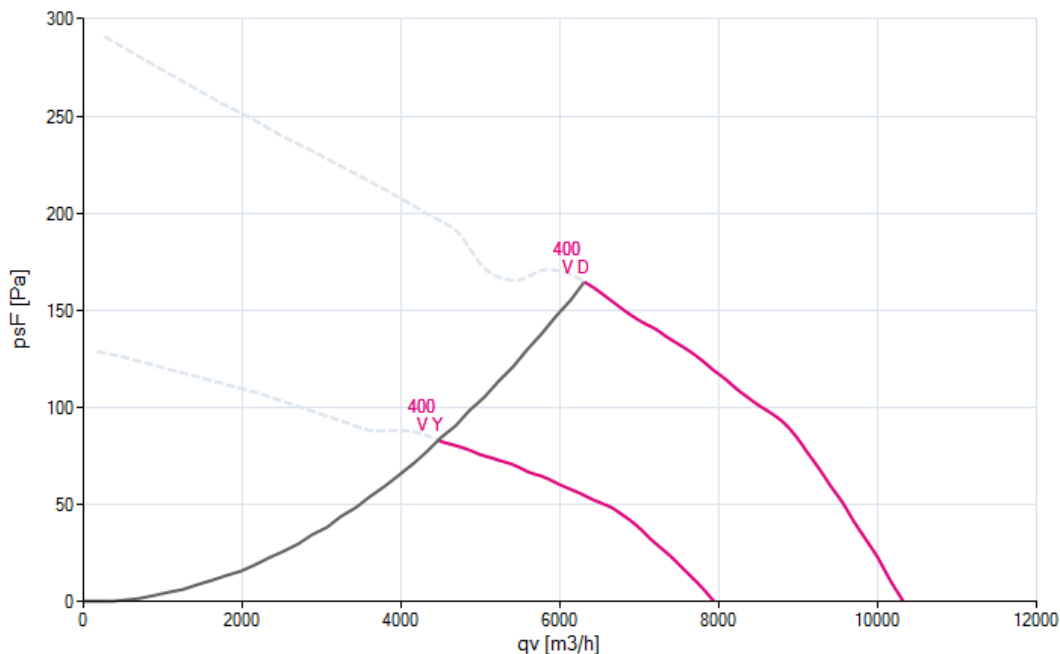
### 1 FN056-VDK.4M.V7P2

159443 | Portfolio Europe

Measured in short nozzle with pressure side guard grille in air flow direction V in installation type A according to ISO5801

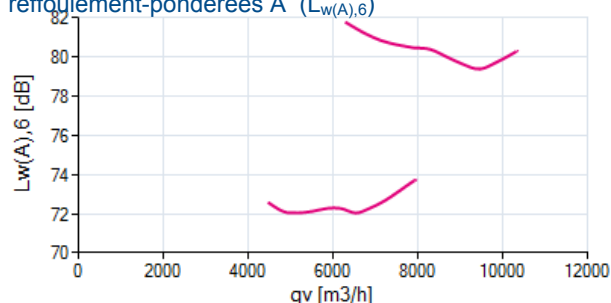
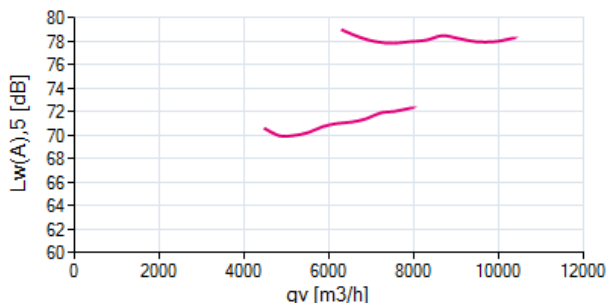
densité de mesure 1.15 [kg/m³]

### Performance aéraulique $p_{sF}$



### niveau de puissance acoustique côté aspiration-pondérées A (Niveau de puissance acoustique côté

refoulement-pondérées A ( $L_{w(A),6}$ )



### 1 FN056-VDK.4M.V7P2

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),5}$	-	-	-	-	-	-	-	-	-
$L_{w,5}$	-	-	-	-	-	-	-	-	-

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),6}$	-	-	-	-	-	-	-	-	-
$L_{w,6}$	-	-	-	-	-	-	-	-	-

# FANselect



## rendement / puissance

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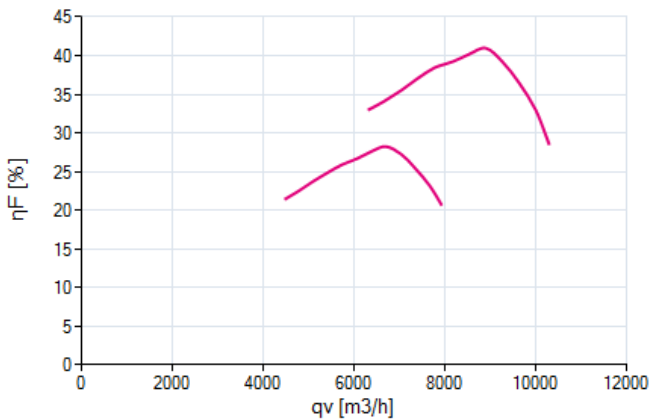
**FN056-VDK.4M.V7P2**

Measured in short nozzle with pressure side guard grille in air flow direction V in installation type A according to ISO5801

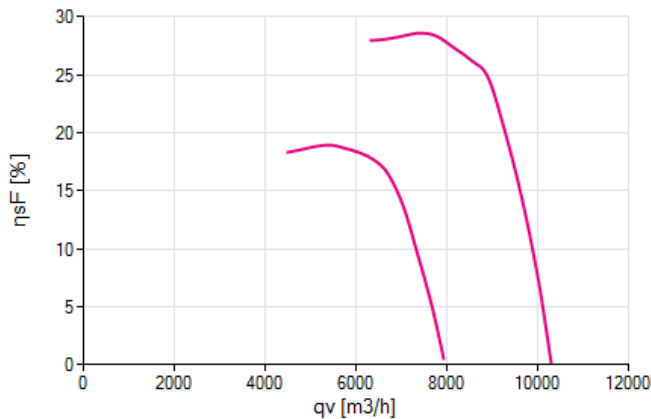
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densité de mesure 1.15 [kg/m³]

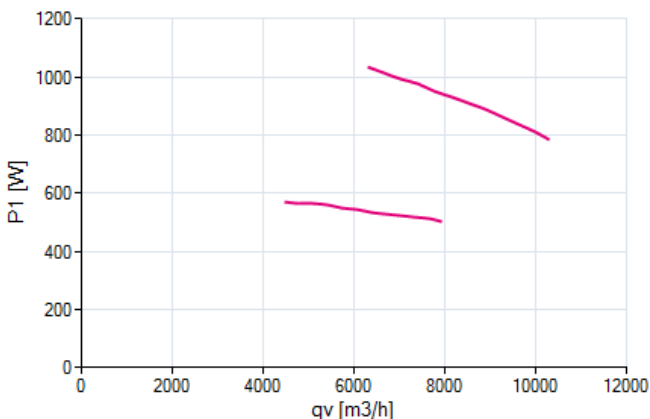
rendement  $\eta_F$



rendement  $\eta_{sF}$



puissance  $P_1$





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## valeur nominale

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3~ 400V +10/-10 D/Y 50Hz P1 1.05/0.58kW P2 0.73/0.26kW  
2.20/1.10A DI=0% 1280/910/MIN COSY 0.68 70°C  
3~ 400V +10/-10 D/Y 60Hz P1 1.35/0.58kW P2 0.80/0.20kW  
2.60/1.15A DI=0% 1320/830/MIN COSY 0.73 55°C  
3~ 460V +10/-10 D/Y 60Hz P1 1.55/0.72kW P2 1.00/0.30kW  
2.70/1.25A DI=0% 1430/950/MIN COSY 0.72 55°C  
IP54 THCL155

## plan

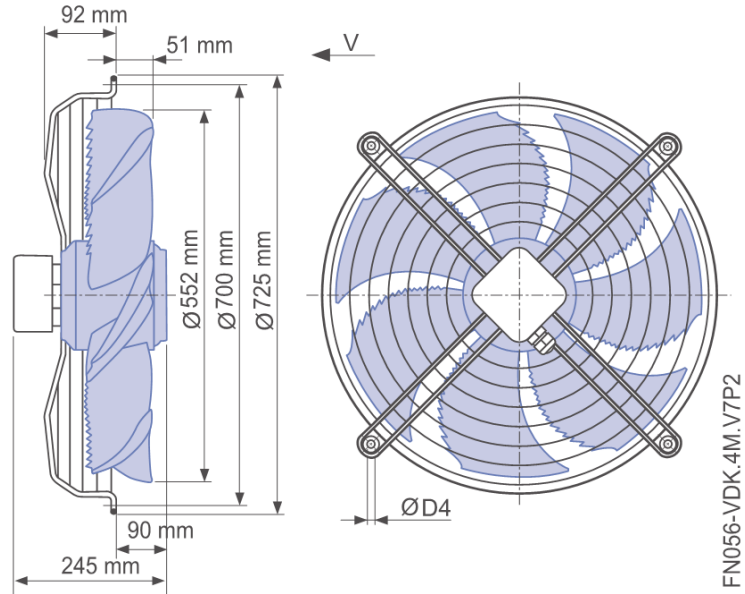
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## schéma de bobinage

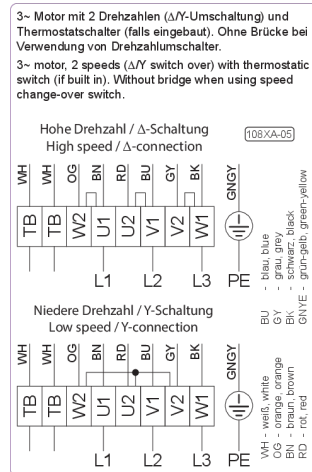
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## accessoires system

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n°article	159443



## Series

FN

## Design

FE2owlet

## Specification

- Direct-driven axial fan
- Aerodynamic-optimised, sickle-blade profile, patterned with serrated trailing edge and winglets on the blade outer edge for energy and noise-optimised operation
- External rotor motor with innovative bionic blade in die-cast aluminium or composite injection moulded
- Impeller: Ø 200 – 1.250 mm
- Balanced in Class G 6.3 acc DIN ISO 21940, dynamic on two levels.
- Any fitting position
- Drive motor in external rotor principle, sealed in protection class IP54 with moisture protection impregnation of the winding, tropical protection
- Thermal contact installed in the winding compliant with THCL 155.
- The permissible ambient temperature is -40°C\* to max. +70°C (see data sheet)
- Maintenance-free ball bearings sealed on both sides with long-term lubrication
- Fan characteristic curve refer to measurements made on a combined air performance and acoustic test rig according DIN EN ISO 5801, or AMCA 210-99
- Make the electrical connection according to the operating instructions

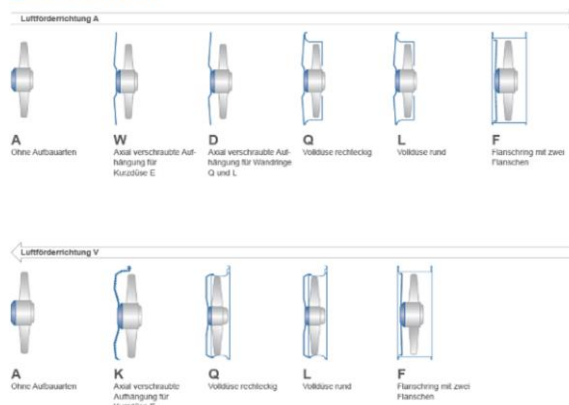
## System components

Guard grille, inlet rings, control technology

## Technical data

<b>Fan type</b>	_____	
<b>Fan size (Ø)</b>	_____	mm
<b>Design</b>	_____	
<b>Air flow (q<sub>v</sub>)</b>	_____	m <sup>3</sup> /h
<b>Static pressure rise (Δp<sub>sF</sub>)</b>	_____	Pa
<b>Rated voltage (U)</b>	_____	V
<b>Mains frequency (f)</b>	_____	Hz
<b>Rated power (P<sub>N</sub>)</b>	_____	kW
<b>Efficiency (η<sub>sF</sub>)</b>	_____	%
<b>Rated speed (n)</b>	_____	min <sup>-1</sup>
<b>Media temperature (t<sub>R</sub>)</b>	_____	°C
<b>Sound power level (L<sub>WA</sub>)</b>	_____	dB(A)
<b>Weight (m)</b>	_____	kg

### Bauformen



Further designs on request

All frame sizes are available in various grill and nozzle versions (designs).

\*Continuous operation with occasional starts (S1) according to DIN EN 60034-1: 2011-02. Occasional starting between -35 ° C and -25 ° C is permissible. Permanent operation below -25 ° C only possible with special bearings for refrigeration applications on request.