



## fan data

05.11.2024

version FANselect V 1.01 (241105), AMCA V 1.03 September, 2021&lt;br&gt;RLT V 1.00 Dezember, 2021 / 1.24.11.05 | 30813 | (user ZAFS20813)



type	<b>FN056-VDK.4M.V7P2</b>
article no.	159443   Portfolio STD-WW

## technical data

motor		AC
mains supply	-	3~ 400V 50Hz D
nominal current (I <sub>N</sub> )	A	2.20
ambient temperature, max. limit (t <sub>r</sub> )	°C	70
efficiency grade $\eta_{statA}$	%	33,7
efficiency grade $N_{actual}$   $N_{target}$		<b>40,1</b>   40
ErP-conformity		2015
grille   influence		pressure side   measured

## fan data

frequency (f <sub>DP</sub> )   (f <sub>max</sub> )	Hz	<b>50</b>   60
dimensions (w x h x d)	mm	725 x 725 x 245
product weight (m <sub>pr</sub> )	kg	15.4

PF:PF\_50; Type:FN056; STol:+-10 %

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## performance curve / acoustics

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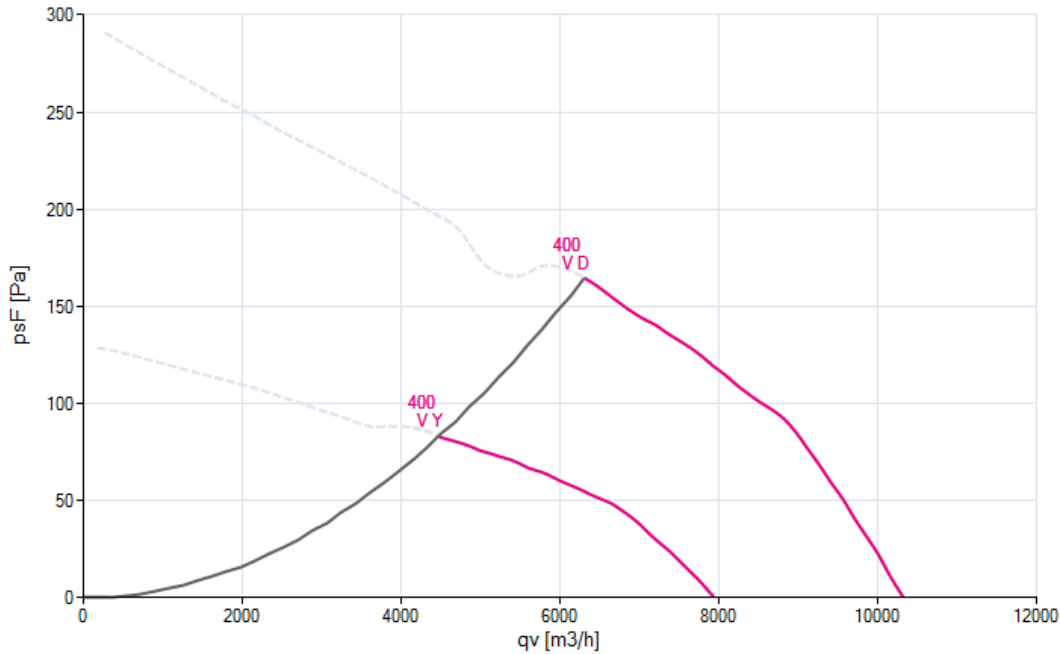
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**1 FN056-VDK.4M.V7P2**

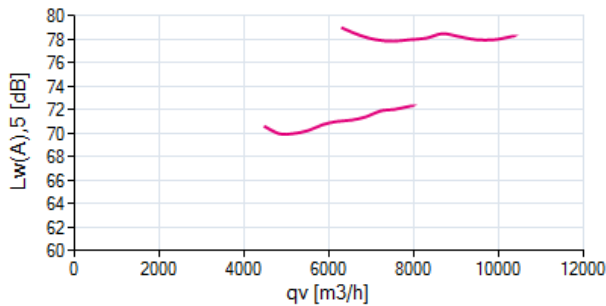
Measured in short nozzle with pressure side guard grille in air flow direction V in installation type A according to ISO5801

159443 | Portfolio STD-WW measurement density 1.15 [kg/m³]

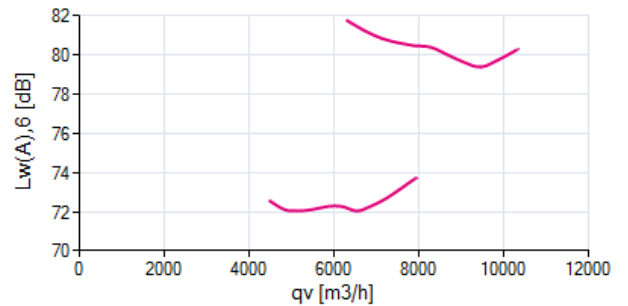
### air performance $p_{sF}$



### acoustics ( $L_{w(A),5}$ )



### acoustics ( $L_{w(A),6}$ )



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

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## efficiency grade / power input

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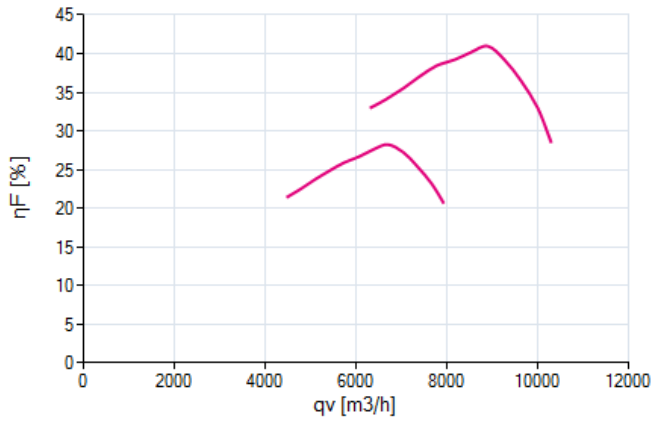
**FN056-VDK.4M.V7P2**

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

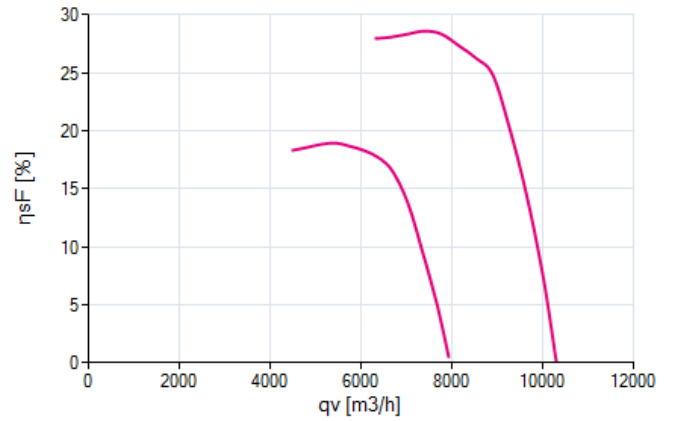
159443 | Portfolio STD-WW

measurement density 1.15 [kg/m³]

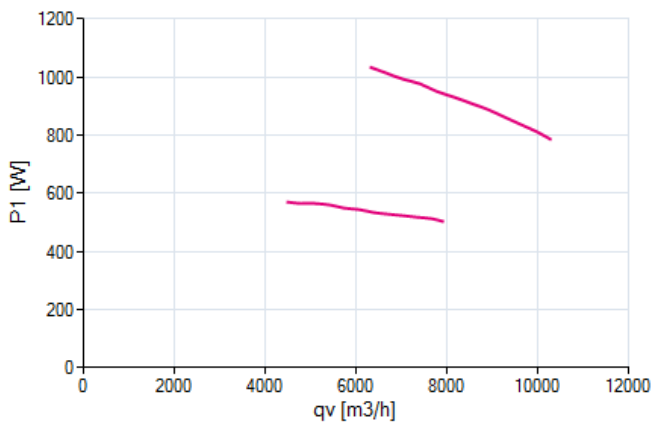
efficiency grade  $\eta_F$



efficiency grade  $\eta_{sF}$



power input  $P_1$





## nominal values

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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

## drawing

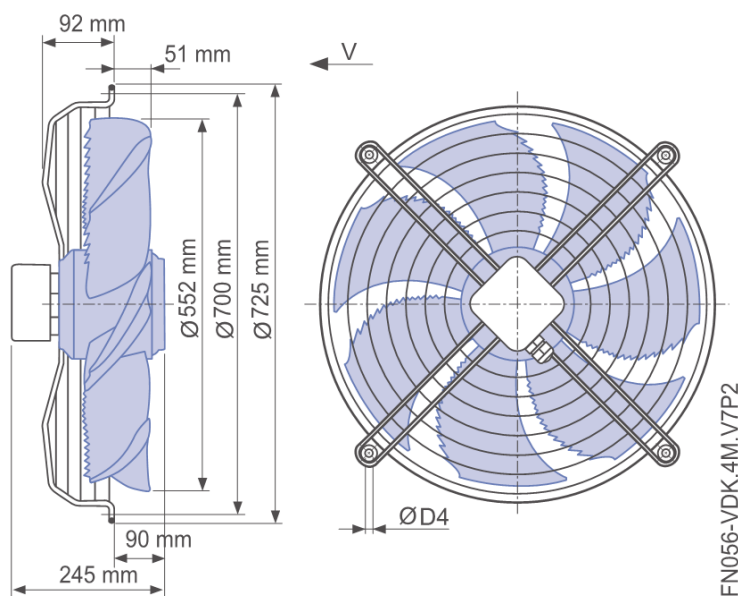
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## wiring diagram

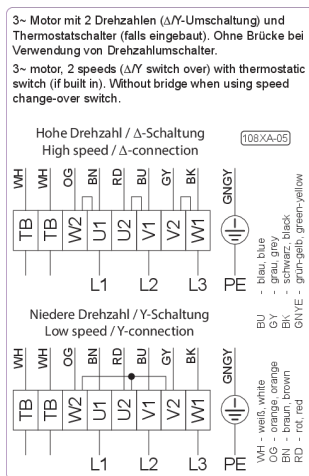
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system components

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