



fan data

19.11.2024

version FANselect V 1.01 (241118), AMCA V 1.03 September, 2021
RLT V 1.00 Dezember, 2021 / 1.24.11.18 | 30813 | (user ZAFS20813)



| | |
|-------------|---------------------------|
| type | FN040-VDW.0F.A7P1 |
| article no. | 156642 Portfolio STD-WW |

technical data

| | | |
|--|----|------------------------------|
| motor | | AC |
| mains supply | - | 3~ 400V 50Hz D |
| nominal current (I_N) | A | 0.46 |
| ambient temperature, max. limit (t_r) | °C | 70 |
| efficiency grade η_{statA} | % | 33,2 |
| efficiency grade N_{actual} N_{target} | | 43,6 40 |
| ErP-conformity | | 2015 |
| grille influence | | pressure side not measured |

fan data

| | | |
|--|----|-----------------|
| frequency (f_{DP}) (f_{max}) | Hz | 50 60 |
| dimensions (w x h x d) | mm | 489 x 489 x 182 |
| product weight (m_{pr}) | kg | 5.6 |

PF:PF_50; Type:FN040-VDW; STol:+-10 %

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performance curve / acoustics

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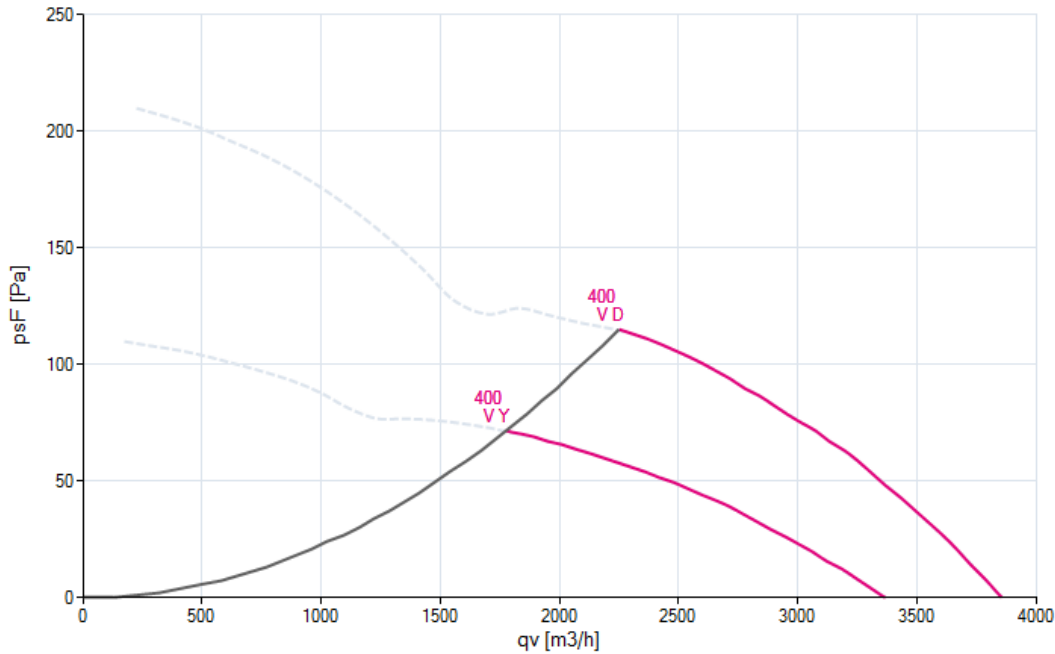
FN040-VDW.0F.A7P1

Measured in full nozzle without guard grille in air flow direction V in installation type A according to ISO5801

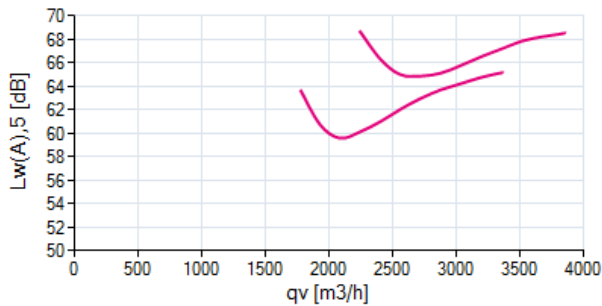
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measurement density 1.17 [kg/m³]

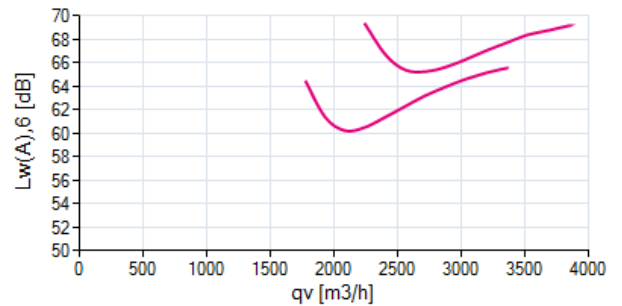
air performance p_{sF}



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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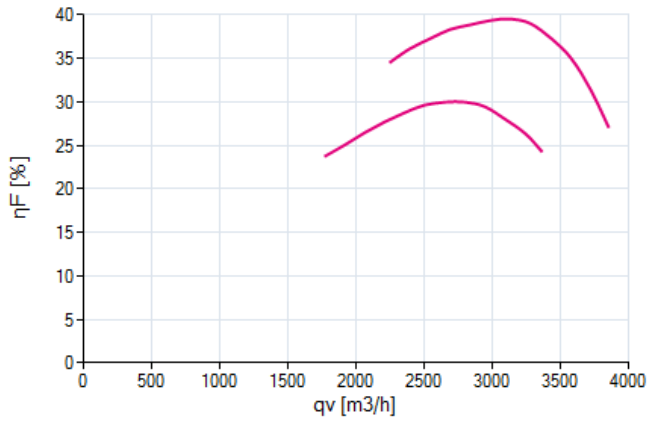
FN040-VDW.0F.A7P1

Measured in full nozzle without guard grille in air flow direction V in installation type A according to ISO5801

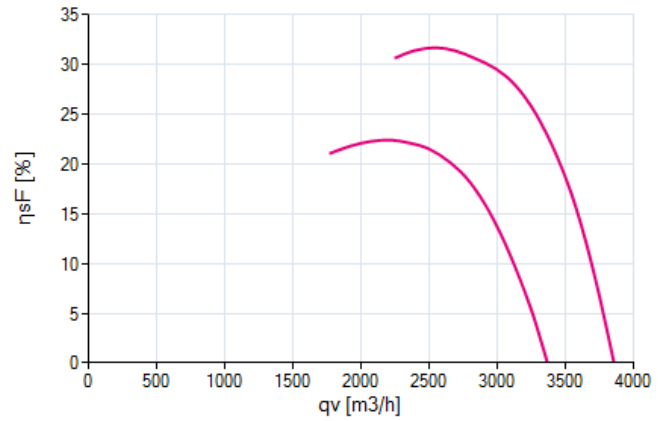
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measurement density 1.17 [kg/m³]

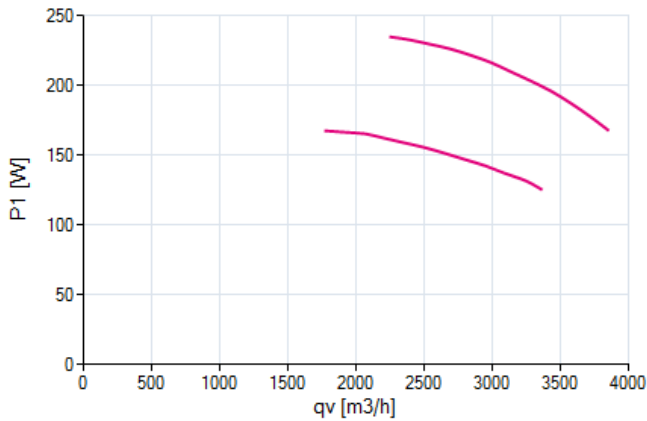
efficiency grade η_F



efficiency grade η_{sF}



power input P_1





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nominal values

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3~ 400V +10/-10 D/Y 50Hz P1 0.23/0.17kW P2 0.17/0.08kW
0.46/0.27A DI=0% 1360/1080/MIN COSY 0.73 70°C
3~ 400V +10/-10 D/Y 60Hz P1 0.35/0.20kW P2 0.22/0.06kW
0.57/0.32A DI=5% 1500/960/MIN COSY 0.87 60°C
3~ 460V +10/-10 D/Y 60Hz P1 0.37/0.24kW P2 0.26/0.09kW
0.56/0.34A DI=5% 1580/1110/MIN COSY 0.83 60°C
IP54 THCL155

drawing

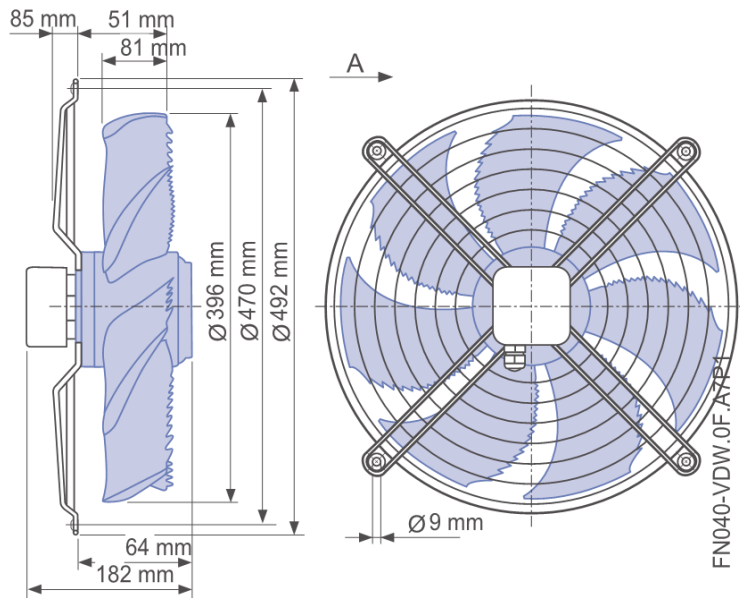
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wiring diagram

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1~Motor mit Kondensator und Thermostatschalter.
1~Motor with capacitor and thermostatic switch.
Moteur monophasé avec condensateur et interrupteur thermostatique.

| | | | |
|----|----------------|--------------|--------------|
| U2 | blau oder grau | blue or grey | bleu ou gris |
| Z2 | schwarz | black | noir |
| TB | braun | brown | brun |



Anschlussschaltbild im Anschlusskasten aufbewahren.
Keep wiring diagram in terminal box.
Conserver le schéma de raccordement dans la boîte à bornes.

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system components

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