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FN056-VDK.4M.V7P2 | 159443 | Portfolio STD-WW G1 | FE2owlet AC ERM

Technical Description FE2owlet

Range FN

Standard design with AC-motor

- Profiled, sickle shaped blades designed with bionical know how
- Sizes 310 ... 800 mm (in 9 standard sizes)
- Optimized for full bell mouth
- 100% speed controllable
- ZIEHL-ABEGG FE2owlet fans can be used from -40°C* up to 70°C.

Mains voltage:

- 3~ zweitourig 400 V ±10% D/Y
- 3~ zweitourig 400/460 V ±10% D/Y

Frequenz:

- 50 Hz
- 60 Hz

Thermal class:

- THCL 155

Protection:

- IP54

Motor protection:

- Thermostat relay (TB)

Material of impeller:

- Aluminium die-cast

Painting:

- Fan in color RAL 9005 deep black
- Wall ring plate and suspension in color RAL 9005 deep black

On request:

- Different paintings
- Fan designs

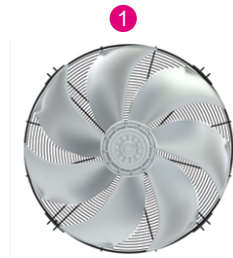
***Continuous operation with occasional starts (S1) according to DIN EN 60034-1: 2011-02. Occasional starting between -35 ° C and -25 ° C is permissible. Permanent operation below -25 ° C only possible with special bearings for refrigeration applications on request.**



fan data

24.8.2022

version FANselect V 1.01 (220531), AMCA V 1.03 September, 2021
RLT V 1.00 Dezember, 2021 / 1.22.05.31 | 57070 | (user ZAFS47070)



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|-------------|------------------------------|
| type | FN056-VDK.4M.V7P2 |
| article no. | 159443 Portfolio STD-WW G1 |

technical data

| | | |
|--|----|--------------------------|
| motor | | AC ERM |
| mains supply | - | 3~ 400V 60Hz Y |
| nominal current (I_N) | A | 1.15 |
| ambient temperature, max. limit (t_a) | °C | 55 |
| efficiency grade η_{statA} | % | 30,8 |
| efficiency grade N_{actual} N_{target} | | 40,1 40 |
| ErP-conformity | | 2015 |
| grille influence | | pressure side measured |

fan data

| | | |
|--|----|-----------------|
| frequency (f_{BP}) (f_{max}) | Hz | 60 60 |
| dimensions (w x h x d) | mm | 725 x 725 x 245 |
| product weight (m_{pr}) | kg | 15.4 |

PF:PF_00; Type:fn056-vd; STol:+-10 %

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performance curve / acoustics

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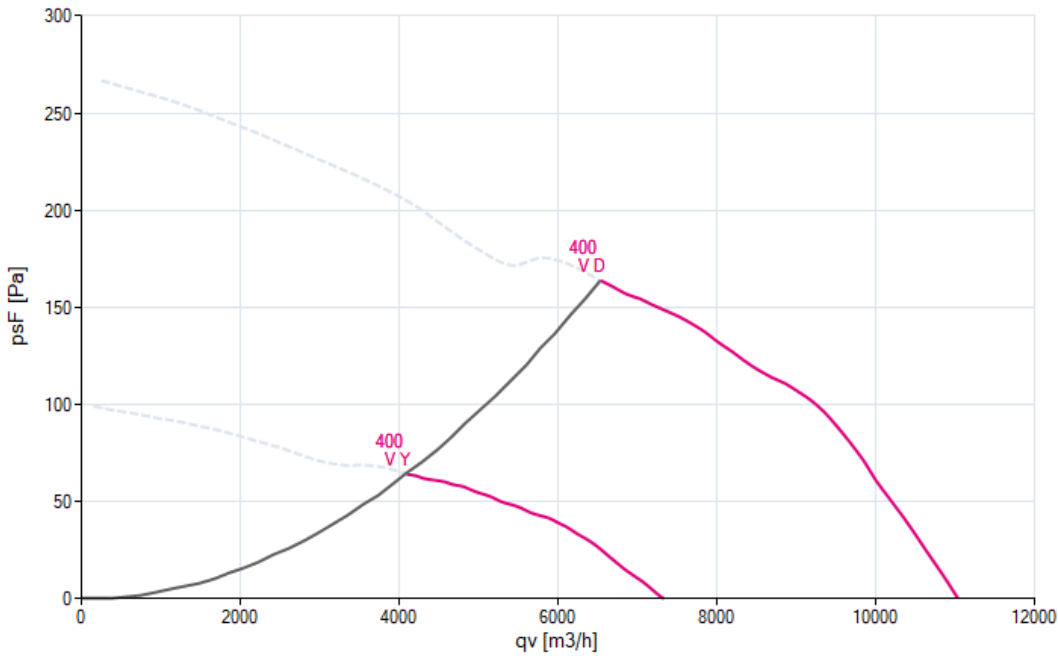
FN056-VDK.4M.V7P2

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

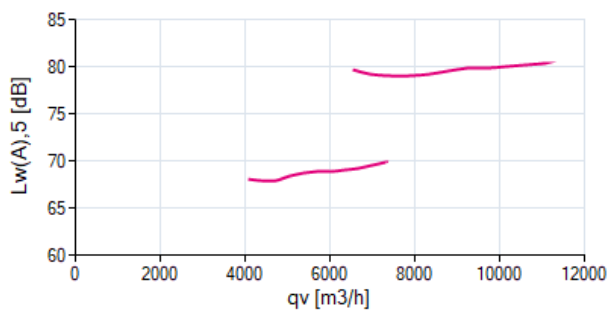
159443 | Portfolio STD-WW
G1

measurement density 1.16 [kg/m³]

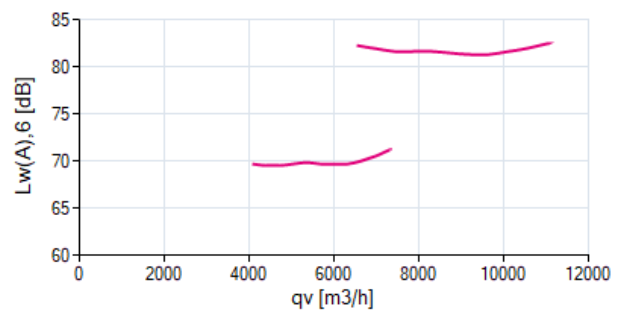
air performance p_{sF}



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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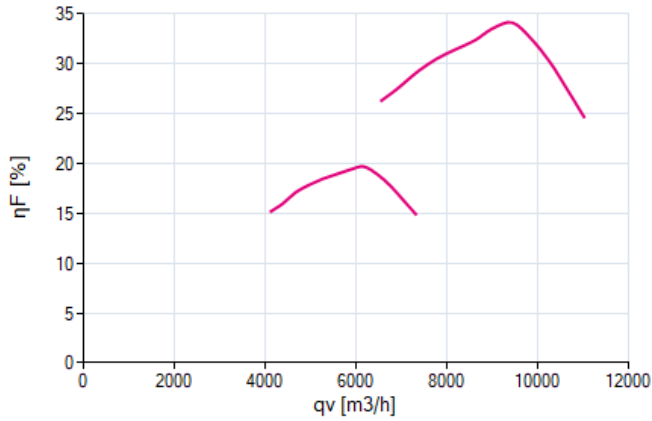
FN056-VDK.4M.V7P2

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

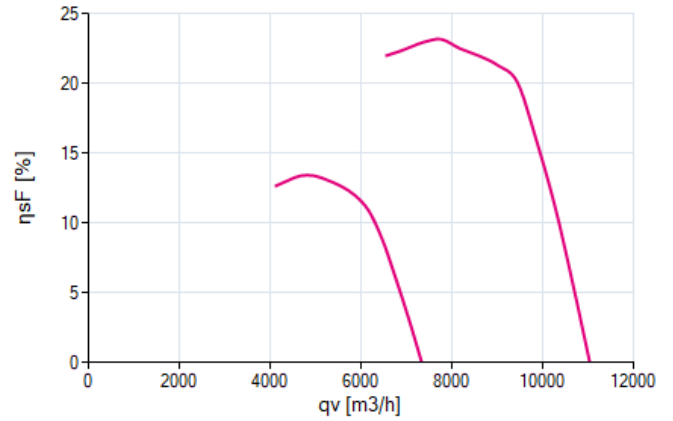
159443 | Portfolio STD-WW
G1

measurement density 1.16 [kg/m³]

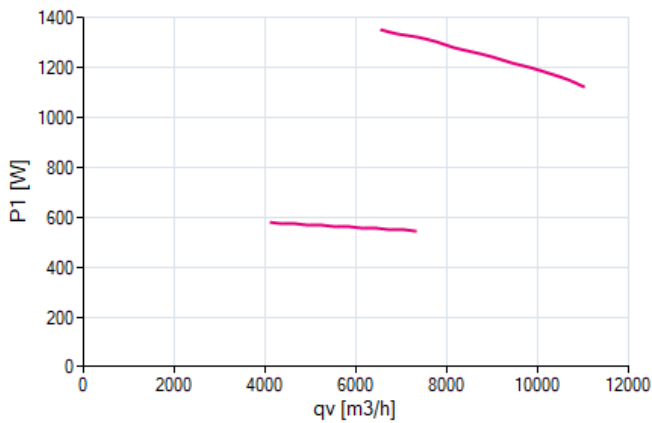
efficiency grade η_F



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 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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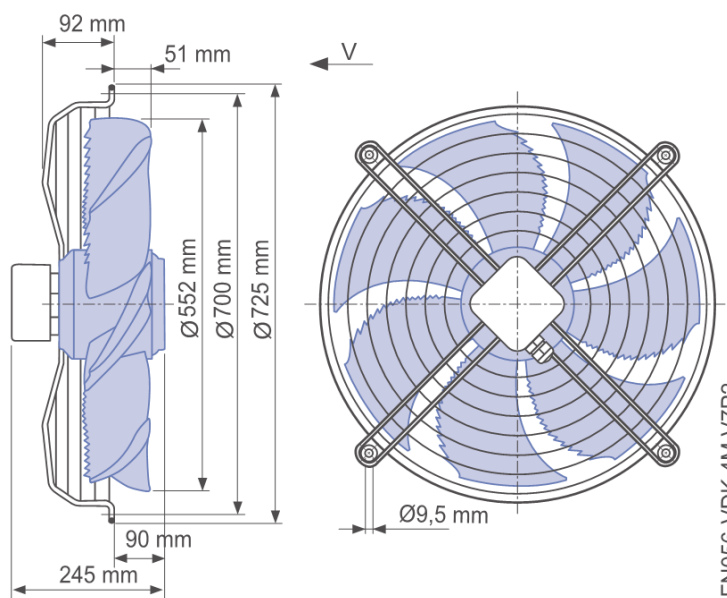
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wiring diagram

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

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



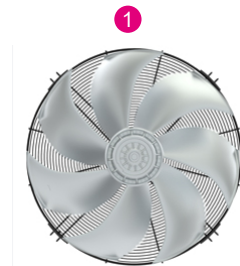
Anschlussschaltbild im Anschlusskasten aufbewahren.
 Keep wiring diagram in terminal box.
 Conserver le schéma de raccordement dans la boîte à bornes.



system components

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