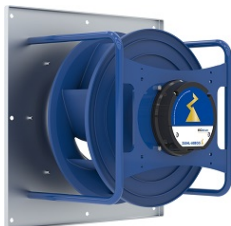




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GR25C-6ID.BD.CR | 115466/A01 | Portfolio STD-WW | Cpro ECblue

Standard design with ECblue motor and integrated electronics

Material of impeller:

- ZAmid - high performance composite material

Color Coating:

- Color coating in RAL5002 (Ultra marine-blue)

Mains voltage motor size B_:

- 1~ 200...277 V; 50/60 Hz

Mains voltage motor size D_:

- 1~ 200...277 V; 50/60 Hz
- 3~ 200...240 V; 50/60 Hz
- 3~ 380...480 V; 50/60 Hz

Mains voltage motor size G_:

- 3~ 200...240 V; 50/60 Hz
- 3~ 380...480 V; 50/60 Hz

Thermal class:

- THCL155

Thermal protection:

- Protection with active temperature management

Protection:

- IP54

Coating:

- Motor painted in RAL5002 (Ultra marine-blue)

Controller (only motor size B_):

- Activation via external speed setting 0-10 V / PWM, Communication interface on request
- Standard cable length: 60 cm

Controller (only motor size D_, G_):

FANselect



- **BASIC:**

Activation via external speed setting 0-10 V / PWM Art. no. ER- and GR-module
in basic version

- **PREMIUM:**

Integrated control functionality, Communication interface on request

Cable glands:

- Motor size D: 3 x M16 x 1.5
- Motor size G: 3 x M20 x 1.5

Ambient temperature:

- Minimum permissible ambient temperature: -20 °C*
- Maximum permissible ambient temperature: 40 °C or see data sheet

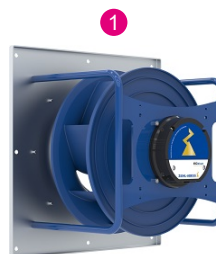
***Continuous operation with occasional starts (S1) according to DIN EN 60034-1: 2011-02. Occasional starting between -35 ° C and -25 ° C is permissible. Permanent operation below -25 ° C only possible with special bearings for refrigeration applications on request.**



fan data

16/12/2021

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| | |
|-------------|-------------------------------|
| type | GR25C-6ID.BD.CR |
| article no. | 115466/A01 Portfolio STD-WW |

technical data

| | | |
|--|--------|---------------------------------|
| motor | ECblue | |
| Efficiency class | IE4 | |
| mains supply | - | 1~ 230V 50Hz |
| ambient temperature, max. limit (t_r) | °C | 60 |
| efficiency grade η_{statA} | % | 67,3 |
| efficiency grade N_{actual} N_{target} | | 81,1 62 |
| ErP-conformity | | 2015 EC controller integrated |
| grille influence | | no |

fan data

| | | |
|---|--------------|-----------------------|
| SFP-class SFP-value (P_{SFP}) | - Ws/m^3 | 4 1300 |
| airflow volume (q_v) | ft^3/min | 760.4 |
| air velocity | ft/s | 19.19 |
| pressure, stat. (p_{sF}) tot. (p_F) | in.wg. | 2.981 3.061 |
| electrical power input (P_{sys}) | W | 467 |
| system eff., stat. ($\eta_{sF,sys}$) tot. ($\eta_{F,sys}$) | % | 57.1 58.6 |
| fan speed (n) max. (n_{max}) | rpm | 3059 3080 |
| fan speed, set value ($\%n_{max}$) | % | 99 |
| frequency (f_{BP}) (f_{max}) | Hz | 50 60 |
| voltage (U_{DP}) | V | 230 |
| current (I_{DP}) | A | 2.04 |
| acoustics, suction side ($L_{w(A),5}$) ($L_{w,5}$) | dB | 72 81 |
| acoustics, pressure side ($L_{w(A),6}$) ($L_{w,6}$) | dB | 77 83 |
| dimensions (w x h x d) | in | 14.76 x 14.76 x 11.14 |
| product weight (m_{pr}) | lb | 26.5 |
| k-factor nozzle pres. (k) | - | 60 |
| differential pres. nozzle ($p_{sF \text{ nozzle}}$) | Pa | 464 |

PF:PF_50; Ano:115466; STol:+-10 %





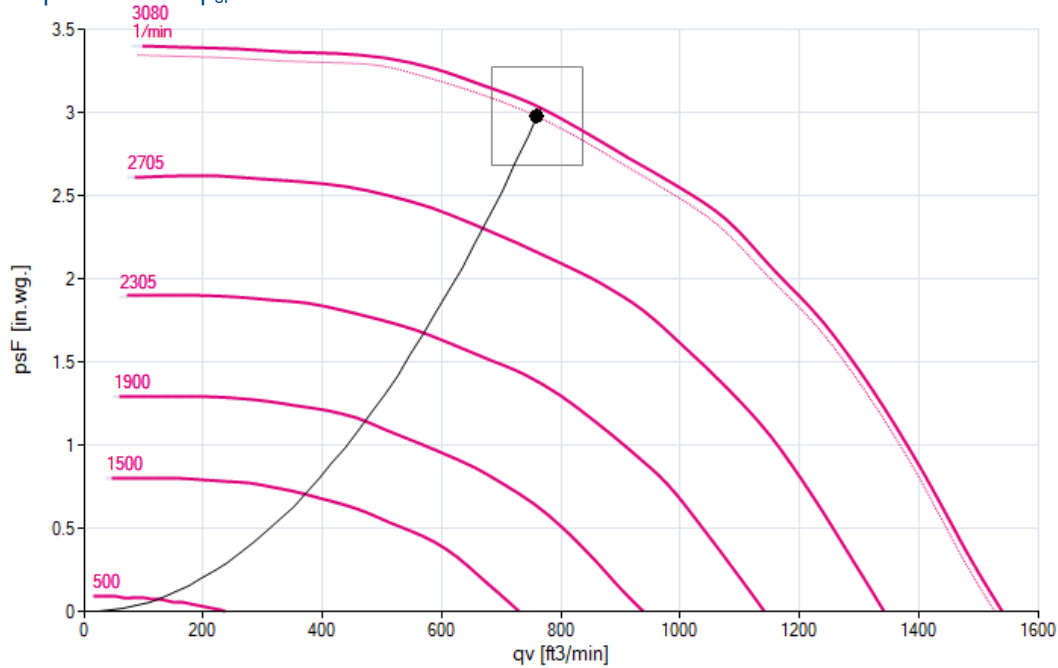
performance curve / acoustics

16/12/2021

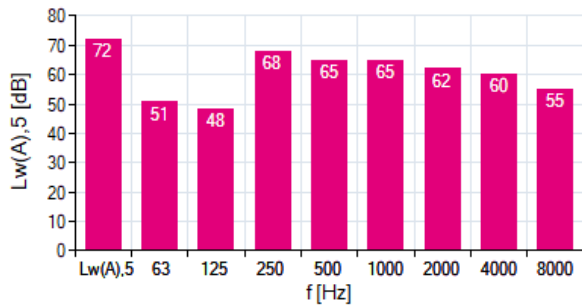
version FANselect V 1.01 (211209), AMCA V 1.03 September, 2021 / 1.21.12.09 | 53567 | (user ZAFS43567)

- 1 **GR25C-6ID.BD.CR** measured in standard nozzle in installation type A according to ISO 5801
 115466/A01 | Portfolio measurement density 0.072 [lbs/ft³]
 STD-WW

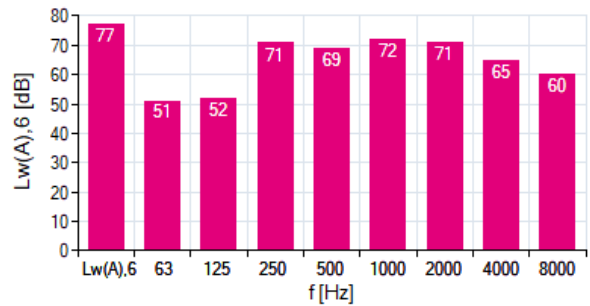
air performance p_{sF}



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



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



| 1 GR25C-6ID.BD.CR | | | | | | | | | |
|---------------------|-----|----|-----|-----|-----|------|------|------|------|
| f [Hz] | sum | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L _{w(A),5} | 72 | 51 | 48 | 68 | 65 | 65 | 62 | 60 | 55 |
| L _{w,5} | 81 | 80 | 64 | 75 | 68 | 65 | 61 | 59 | 56 |

| f [Hz] | sum | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|---------------------|-----|----|-----|-----|-----|------|------|------|------|
| L _{w(A),6} | 77 | 51 | 52 | 71 | 69 | 72 | 71 | 65 | 60 |
| L _{w,6} | 83 | 80 | 68 | 78 | 72 | 72 | 70 | 64 | 61 |

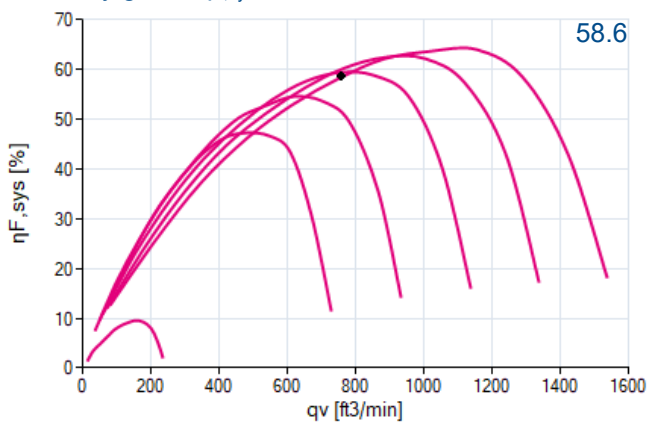
FANselect



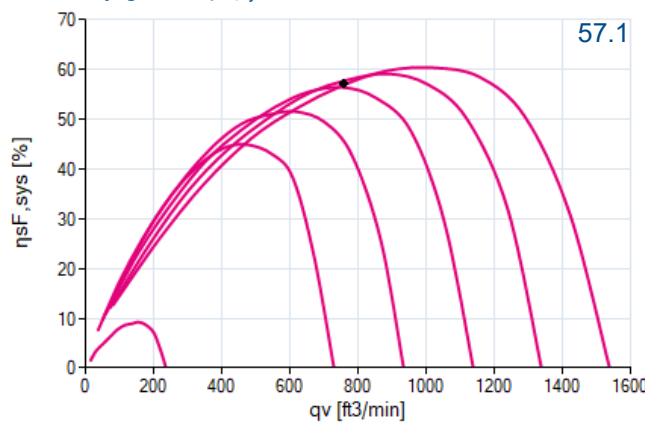
efficiency grade / power input 16/12/2021
version FANselect V 1.01 (211209), AMCA V 1.03 September, 2021 / 1.21.12.09 | 53567 | (user ZAFS43567)

1 **GR25C-6ID.BD.CR** measured in standard nozzle in installation type A according to ISO 5801
 115466/A01 | Portfolio measurement density 0.072 [lbs/ft³]
 STD-WWW

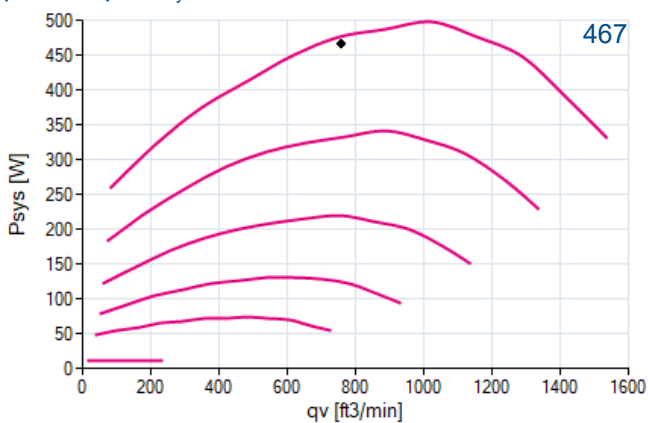
efficiency grade $\eta_{F,sys}$



efficiency grade $\eta_{SF,sys}$



power input P_{sys}



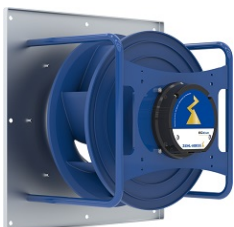


nominal values

16/12/2021

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GR25C-6ID.BD.CR

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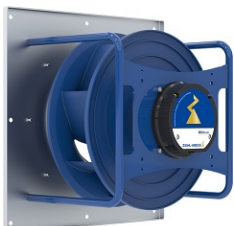
1~ 200-277V 50Hz P1 0.50kW
 2.50-1.80A 3080/MIN 60°C
 1~ 200-277V 60Hz P1 0.50kW
 2.50-1.80A 3080/MIN 60°C
 IP54 THCL155

drawing

16/12/2021

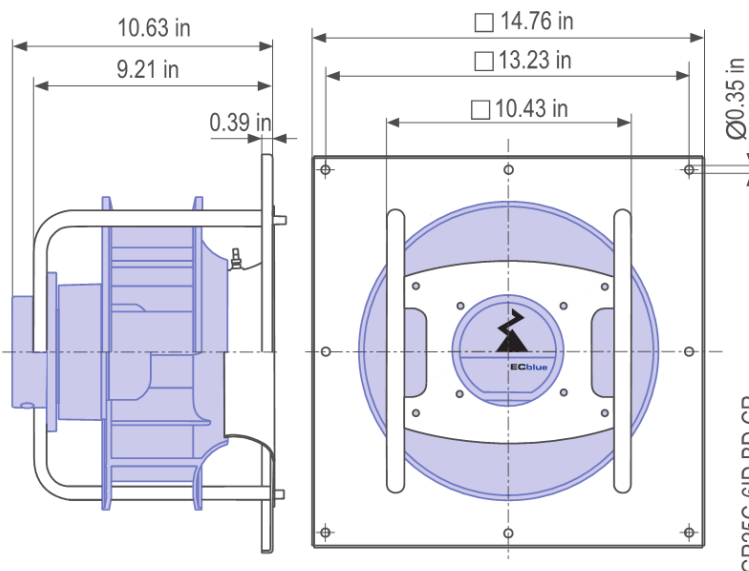
version FANselect V 1.01 (211209), AMCA V 1.03 September, 2021 / 1.21.12.09 | 53567 | (user ZAFS43567)

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GR25C-6ID.BD.CR

115466/A01

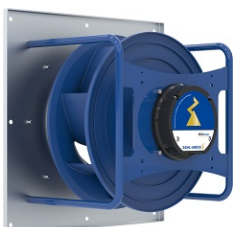


wiring diagram

16/12/2021

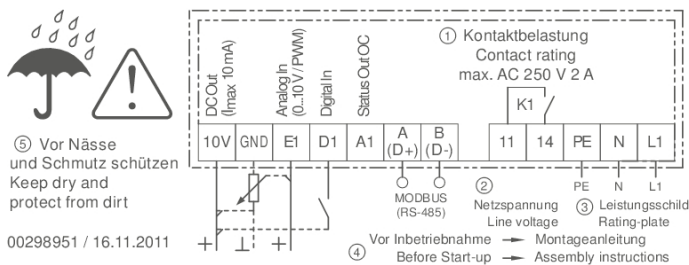
version FANselect V 1.01 (211209), AMCA V 1.03 September, 2021 / 1.21.12.09 | 53567 | (user ZAFS43567)

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GR25C-6ID.BD.CR

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system components

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| | |
|-------------|-----------------|
| type | GR25C-6ID.BD.CR |
| article no. | 115466/A01 |