

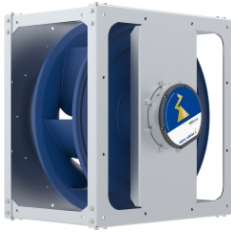
# FANselect

## general description

28/03/2019

version FANselect V 1.01 (180201), AMCA V 1.01 May, 2015 / 1.18.02.01 | 70024 | (user )

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GR56C-ZID.GQ.CR | 115278 | Portfolio STD-WW | Cpro ECblue

### GR25C - GR63C:

- Bolted supporting structure made of galvanized sheet steel
- Galvanized components can be coated with epoxy-/ polyester powder coating  
RAL 7032 for a surcharge
- Ventilation data (fan curve) and motor allocation equivalent to ER..Cpro-ECblue
- Inlet ring designed for optimum air flow, made of galvanised steel sheet with  
measuring device for determination of flow rate
- Installation position vertical motor shaft  
Vu = impeller at the bottom  
Vo = impeller at the top
- Module decoupled by rubber dampers

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fan data

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type	GR56C-ZID.GQ.CR
article no.	115278   Portfolio STD-WW

## technical data

motor	ECblue
mains supply	3~ 400V 50Hz
ambient temperature, max. limit ( $t_a$ )	°C 40
efficiency grade $\eta_{statA}$	% 69,9
efficiency grade $N_{actual}$   $N_{target}$	% <b>72,3</b>   62
ErP-conformity	2015   EC controller integrated
grille   influence	Nein

## fan data

<b>SFP-class</b>   SFP-value ( $P_{SFP}$ )	-   $Ws/m^3$	<b>5</b>   2132
airflow volume ( $q_v$ )	$ft^3/min$	5708.3
pressure, <b>stat.</b> ( $p_{sF}$ )   tot. ( $p_F$ )	Pa	<b>1404</b>   1453
electrical power input ( $P_{sys}$ )	W	5744
system eff., <b>stat.</b> ( $\eta_{sF,sys}$ )   tot. ( $\eta_{F,sys}$ )	%	<b>65.9</b>   68.1
fan speed ( <b>n</b> )   max. ( $n_{max}$ )	1/min	<b>1862</b>   1860
fan speed, set value ( $\%n_{max}$ )	%	100
frequency ( <b>f<sub>BP</sub></b> )   ( $f_{max}$ )	Hz	<b>50</b>   60
voltage ( $U_{DP}$ )	V	400
current ( $I_{DP}$ )	A	8.72
acoustics, suction side ( $L_{w(A),5}$ )   ( $L_{w,5}$ )	dB	<b>84</b>   89
acoustics, pressure side ( $L_{w(A),6}$ )   ( $L_{w,6}$ )	dB	<b>91</b>   95
dimensions (w x h x d)	mm	670 x 670 x 535
product weight ( $m_{pr}$ )	kg	71
k-factor nozzle pres. (k)	-	308
differential pres. nozzle ( $p_{sF \text{ nozzle}}$ )	Pa	992

PF:PF\_00; BR:BR\_40;  $q_v$ :5900.0  $ft^3/min$ ;  $p_{sF}$ :1500 Pa; mains:3~ / 400V / 50 Hz;  $t_a$ :20 °C;  $\rho$ :1.16  $kg/m^3$ ; STol:+-10 %; BF:GR

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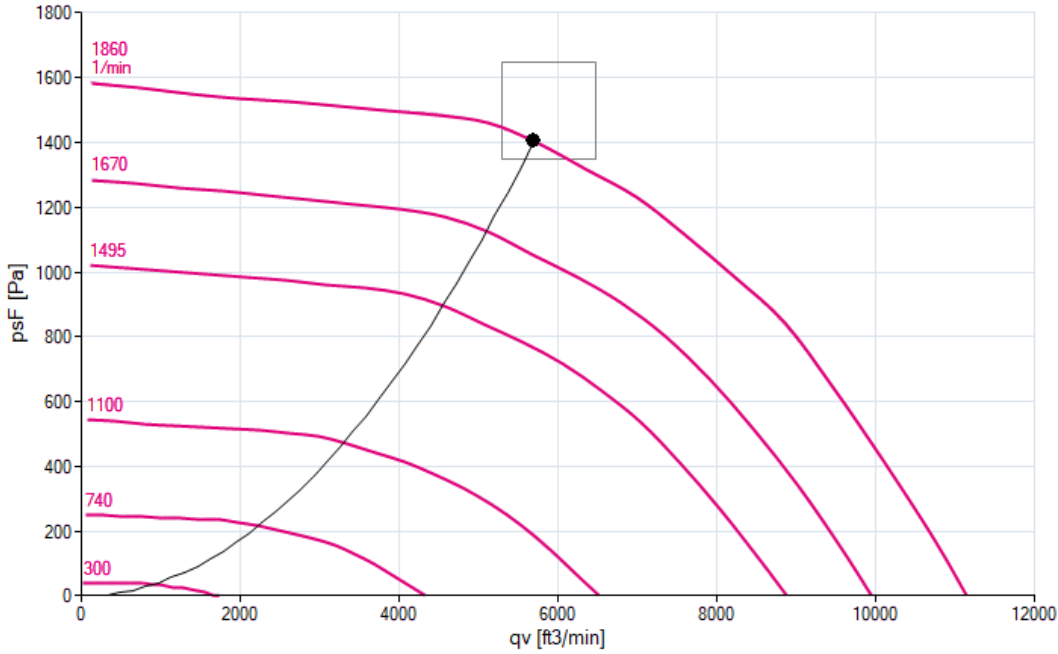
performance curve / acoustics

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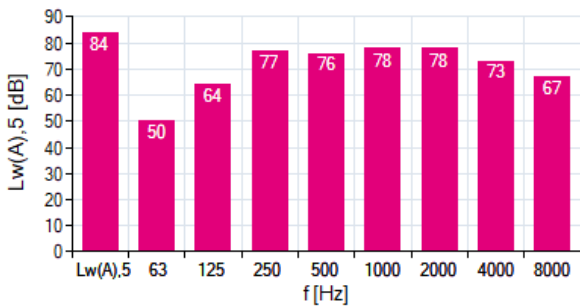
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- 1 GR56C-ZID.GQ.CR measured in standard nozzle in installation type A according to ISO 5801  
115278 | Portfolio STD-WW measurement density 1.16 [kg/m<sup>3</sup>]

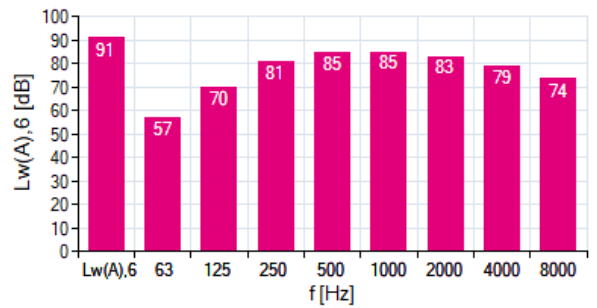
air performance p<sub>sF</sub>



acoustics (L<sub>w(A),5</sub>)



acoustics (L<sub>w(A),6</sub>)



1 GR56C-ZID.GQ.CR									
f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
L <sub>w(A),5</sub>	84	50	64	77	76	78	78	73	67
L <sub>w,5</sub>	89	77	78	87	79	77	76	72	69

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
L <sub>w(A),6</sub>	91	57	70	81	85	85	83	79	74
L <sub>w,6</sub>	95	83	84	91	88	86	82	78	75

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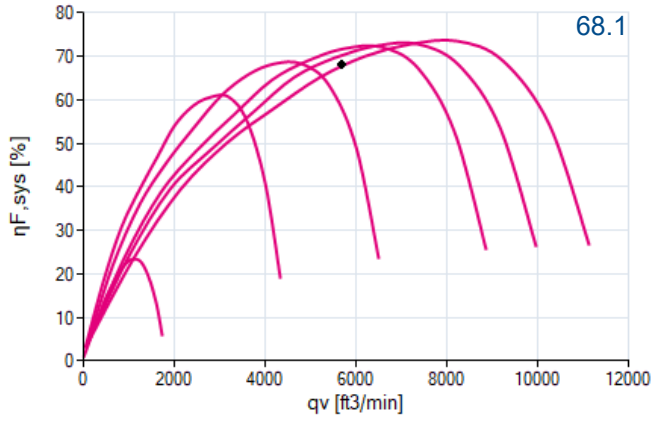
efficiency grade / power input

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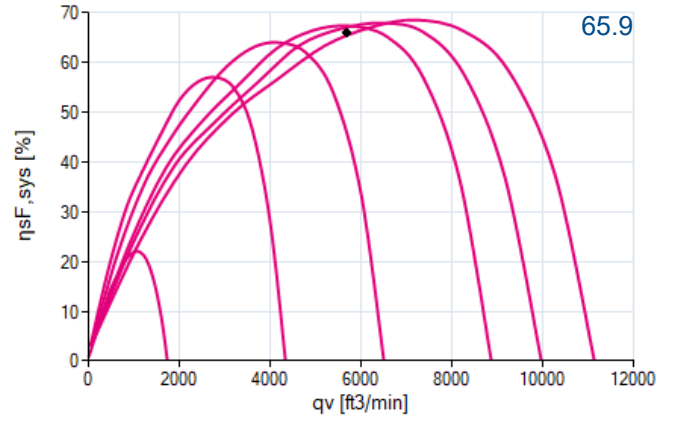
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- 1 **GR56C-ZID.GQ.CR** measured in standard nozzle in installation type A according to ISO 5801  
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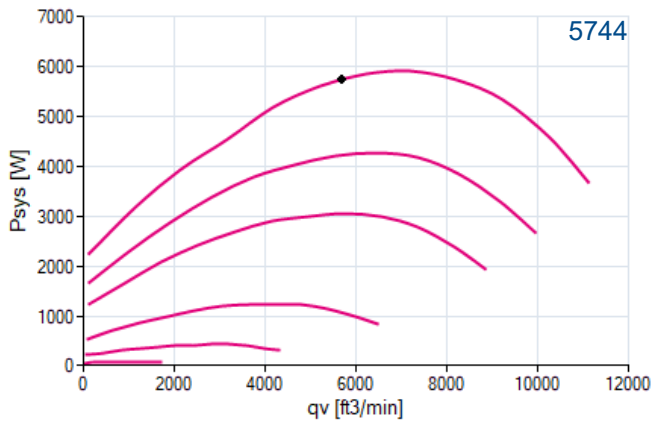
efficiency grade  $\eta_{F,sys}$



efficiency grade  $\eta_{sF,sys}$



power input  $P_{sys}$



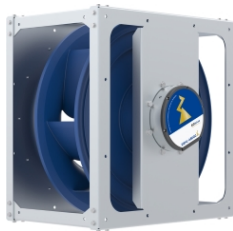
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## nominal values

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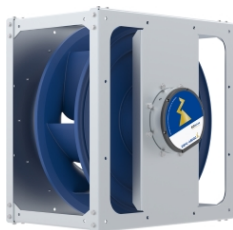
3~ 380-480V 50Hz P1 6.00kW  
 9.40-7.40A 1860/MIN 40°C  
 3~ 380-480V 60Hz P1 6.00kW  
 9.40-7.40A 1860/MIN 40°C  
 IP54 THCL155

## drawing

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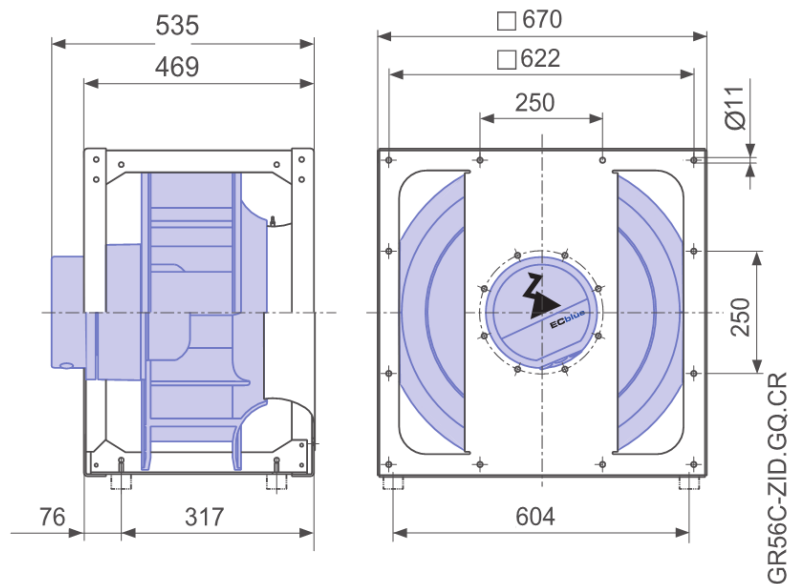
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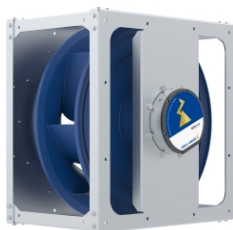


## wiring diagram

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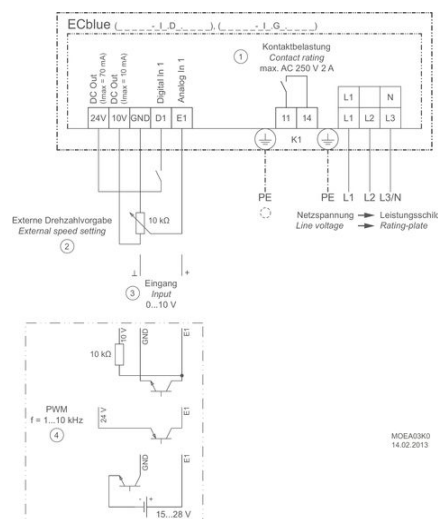
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system components

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