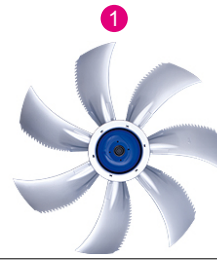




## fan data

05.11.2024

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type	FN091-ZII.GL.V5P1
article no.	183918   Portfolio STD-WW

## technical data

motor		ECblue
Efficiency class		IE5
mains supply	-	3~ 400V 50Hz
ambient temperature, max. limit ( $t_r$ )	°C	60
efficiency grade $\eta_{statA}$	%	53,2
efficiency grade $N_{actual}$   $N_{target}$		<b>56,5</b>   40
ErP-conformity		2015   EC controller integrated
grille   influence		pressure side   measured

## fan data

fan speed ( $n$ )   max. ( $n_{max}$ )	1/min	-   1100
frequency ( $f_{DP}$ )   ( $f_{max}$ )	Hz	<b>50</b>   60
dimensions (w x h x d)	mm	933 x 933 x 247
product weight ( $m_{pr}$ )	kg	38.5

PF:PF\_50; Type:FN091; STol:+-10 %

# FANselect



## performance curve / acoustics

05.11.2024

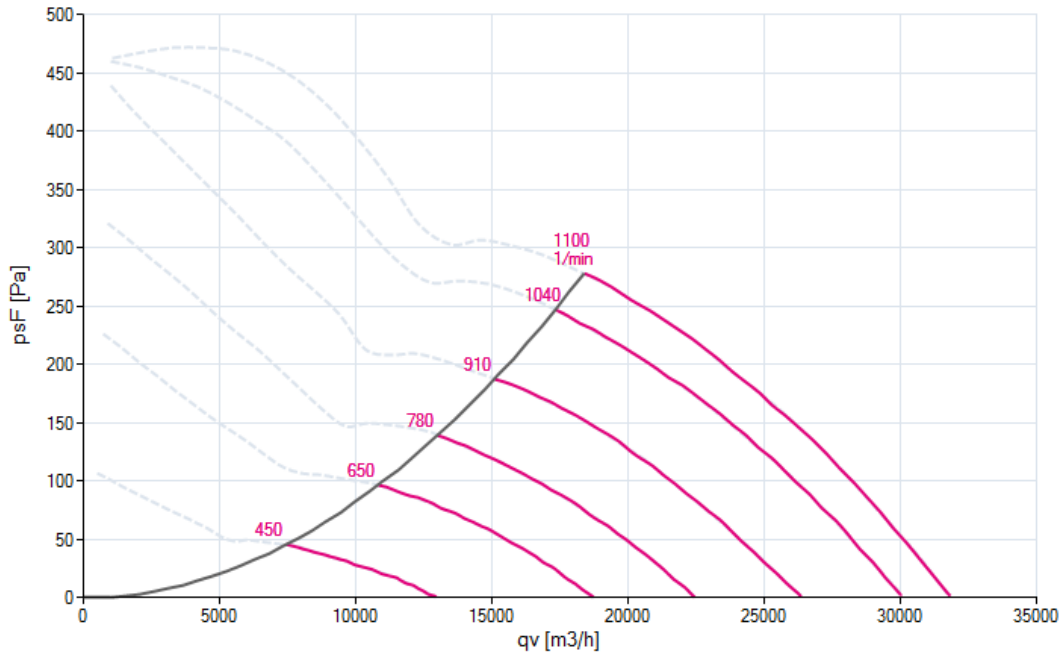
Version FANselect V 1.01 (241105), AMCA V 1.03 September, 2021<br>RLT V 1.00 Dezember, 2021 / 1.24.11.05 | 30813 | (user ZAFS20813)

### 1 FN091-ZII.GL.V5P1

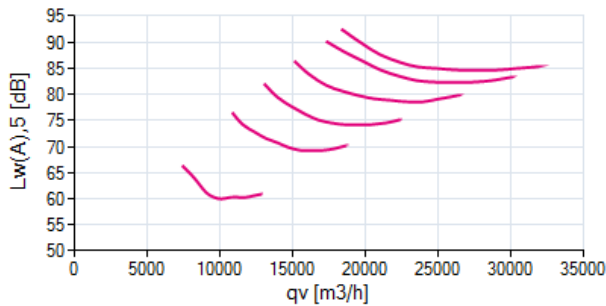
Measured in full nozzle with pressure side guard grille in air flow direction V in installation type A according to ISO5801

183918 | Portfolio STD-WW measurement density 1.20 [kg/m³]

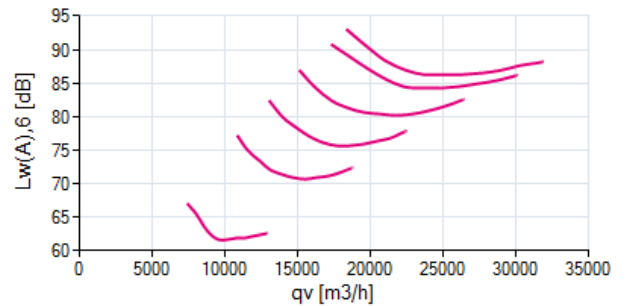
### air performance $p_{sF}$



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



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



### 1 FN091-ZII.GL.V5P1

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

# FANselect



## efficiency grade / power input

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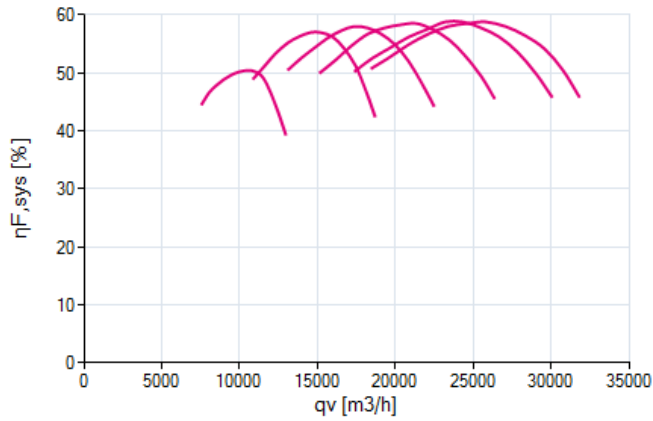
**FN091-ZII.GL.V5P1**

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

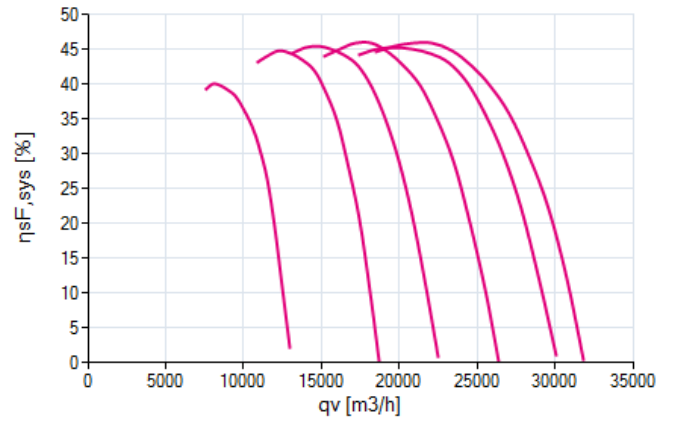
183918 | Portfolio STD-WW

measurement density 1.20 [kg/m³]

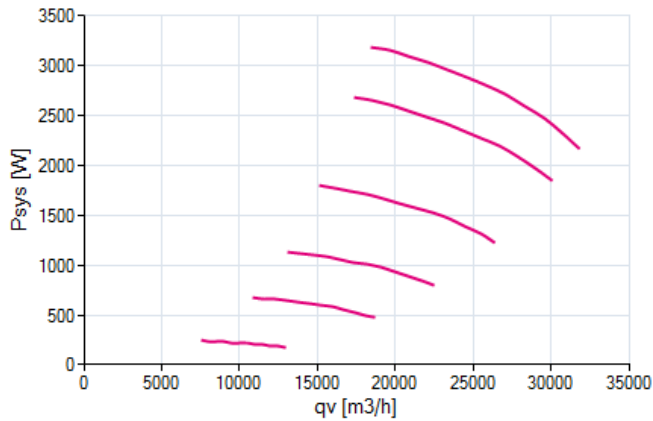
efficiency grade  $\eta_{F,sys}$



efficiency grade  $\eta_{sF,sys}$



power input  $P_{sys}$





## nominal values

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**FN091-ZII.GL.V5P1**  
183918

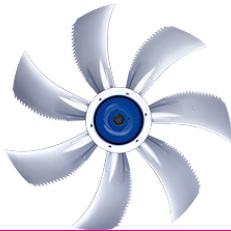
3~ 380-480V 50Hz P1 3.20kW  
5.00-3.90A 1100/MIN 60°C  
3~ 380-480V 60Hz P1 3.20kW  
5.00-3.90A 1100/MIN 60°C  
IP55 THCL155

## drawing

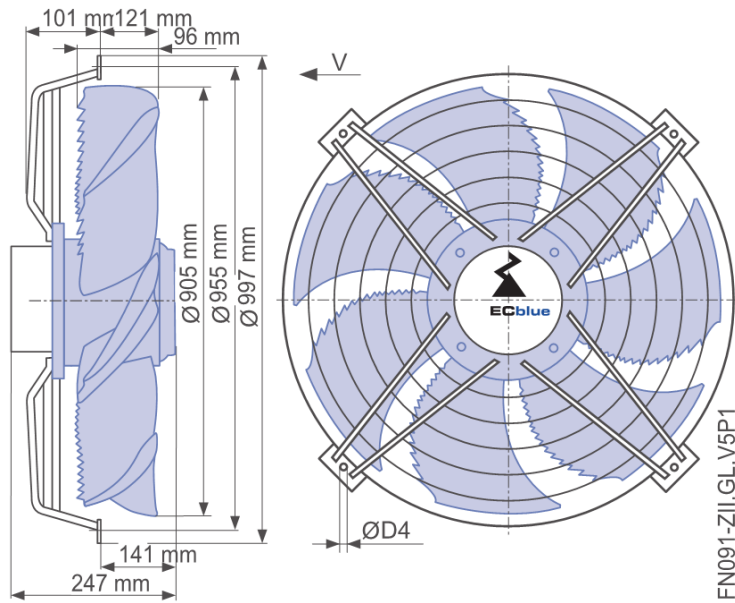
05.11.2024

version FANselect V 1.01 (241105), AMCA V 1.03 September, 2021<br>RLT V 1.00 Dezember, 2021 / 1.24.11.05 | 30813 | (user ZAFS20813)

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**FN091-ZII.GL.V5P1**  
183918



## wiring diagram

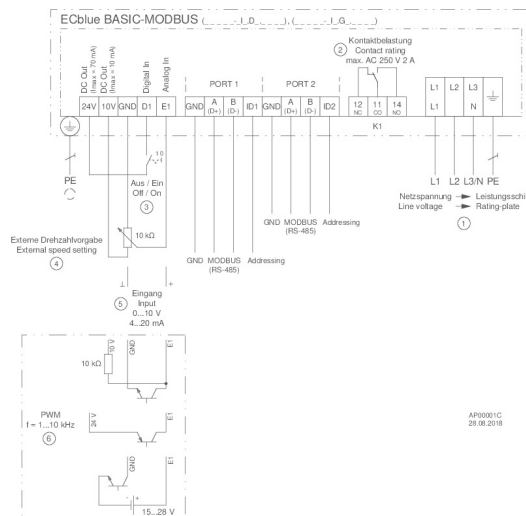
05.11.2024

version FANselect V 1.01 (241105), AMCA V 1.03 September, 2021<br>RLT V 1.00 Dezember, 2021 / 1.24.11.05 | 30813 | (user ZAFS20813)

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**FN091-ZII.GL.V5P1**  
183918



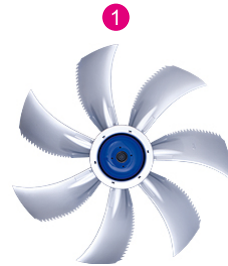
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## system components

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type	FN091-ZII.GL.V5P1
article no.	183918