

# FANselect

## general description

27.02.2019

versie FANselect V 1.01 (190226), AMCA V 1.02 April, 2018 / 1.19.02.26 | 40635 | (gebruiker ZAFS30635)

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ZN091-ZIL.GL.V5P1 | 165010 | Portfolio STD-WW | FE2owlet ECblue

### Range ZN

#### Standard design with ECblue motor and integrated electronics

- Profiled, sickle shaped blades designed with bionical know how
- Sizes 450 ... 910 mm (in 6 standard sizes)
- Highest efficiency with optimized full bell mouth with guide vane and diffusor
- Integrated speed control
- ZIEHL-ABEGG FE2owlet ECblue with ZAprus fans can be used with active temperature management from -35°C up to 70°C.

#### 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

#### Protection:

- IP54

#### Material of impeller:

- Aluminium die-cast or high performance composite material

#### Painting:

- Fan unpainted
- ZAprus made from high performance composite material in black, unpainted

#### On request:

- Guard grille suction side
- Additional diffusor (increase of efficiency)
- Different paintings
- Heater (de-icing of the nozzle)
- 4 different built in versions

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## ventilator gegevens

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artikelnummer	165010   Portfolio STD-WW

### technische gegevens

Motor	ECblue
Voeding	-
Omgevings temperatuur maximaal	°C
rendement $\eta_{statA}$	%
efficiency grade $N_{actual}$   $N_{target}$	
ErP-klasse	
grille   influence	

### ventilator gegevens

SFP-class   SFP-value ( $P_{SFP}$ )	-   $Ws/m^3$	1   288
FEI	-	1.37
Luchthoeveelheid ( $q_v$ )	$m^3/h$	29844
pressure, stat. ( $p_{sF}$ )   tot. ( $p_F$ )	Pa	100   196
Syst elektr. Opgen. Verm. ( $P_{sys}$ )	W	2389
system eff., stat. ( $\eta_{sF,sys}$ )   tot. ( $\eta_{F,sys}$ )	%	34.6   68.2
fan speed ( $n$ )   max. ( $n_{max}$ )	1/min	1104   1106
Set punt ventilator in $\%n_{max}$	%	100
frequency ( $f_{BP}$ )   ( $f_{max}$ )	Hz	50   60
( $U_{DP}$ )	V	400
stroom ( $I_{DP}$ )	A	3.66
acoustics, suction side ( $L_{w(A),5}$ )   ( $L_{w,5}$ )	dB	85   90
acoustics, pressure side ( $L_{w(A),6}$ )   ( $L_{w,6}$ )	dB	86   92
Gewicht Product	kg	44.8

PF:PF\_00; Ano:165010; STol:+-10 %

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## Grafiek / akoestiek

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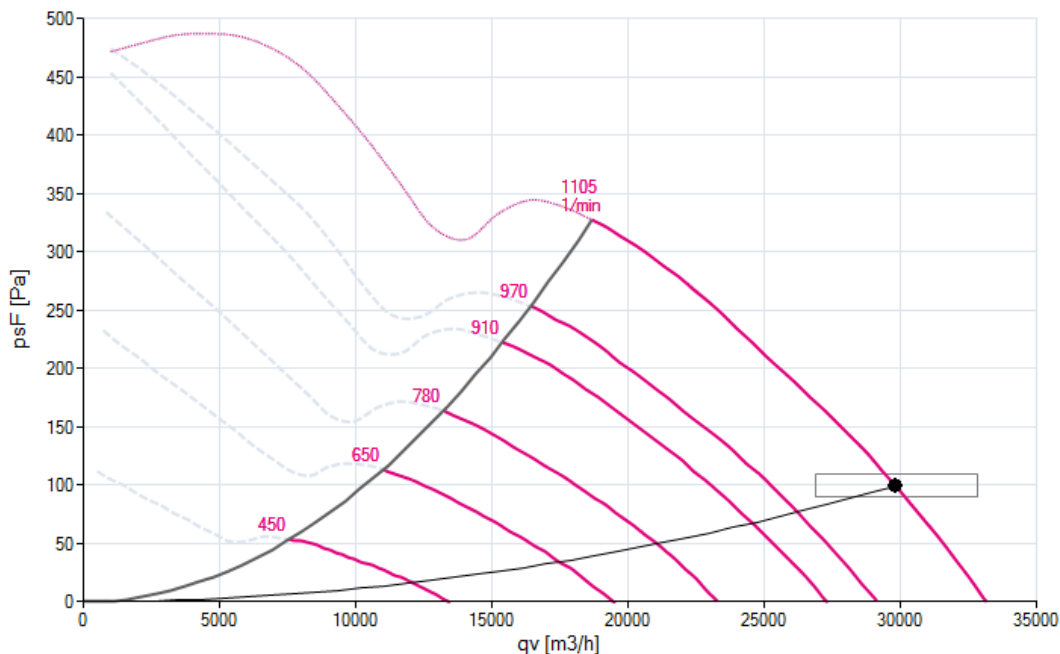
ZN091-ZIL.GL.V5P1

Measured in ZPlus with guard grille on pressure side with airflow direction V in installation type A according to ISO 5801

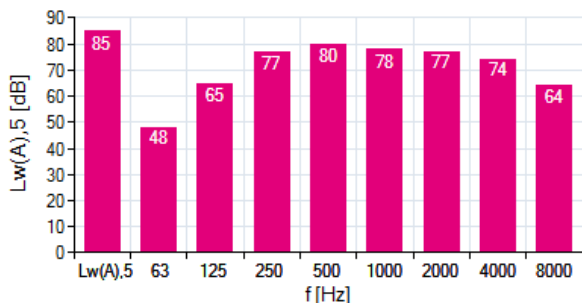
165010 | Portfolio STD-WW

Volume meetings 1.16 [kg/m³]

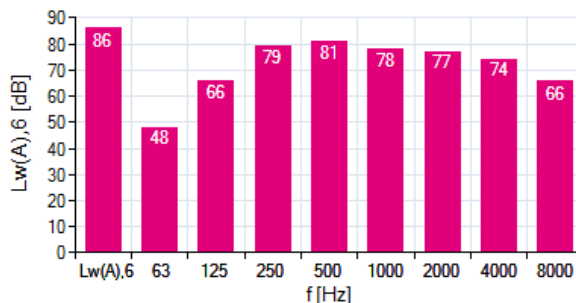
### Lucht bereik $p_{sF}$



### geluidsvermogen aanzuigzijde ( $L_{w(A),5}$ )



### geluidsvermogen blaaszijde (A) ( $L_{w(A),6}$ )



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f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),5}$	85	48	65	77	80	78	77	74	64
$L_{w,5}$	90	72	80	87	83	78	76	73	65

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),6}$	86	48	66	79	81	78	77	74	66
$L_{w,6}$	92	72	81	89	85	79	76	74	66

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## rendement / Ingangs vermogen

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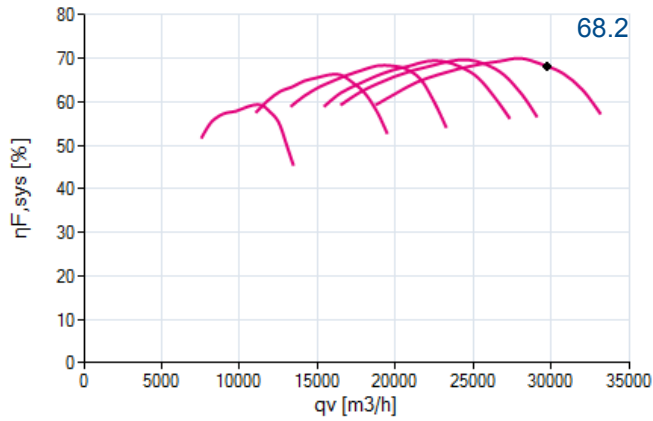
ZN091-ZIL.GL.V5P1

Measured in ZApplus with guard grille on pressure side with airflow direction V in installation type A according to ISO 5801

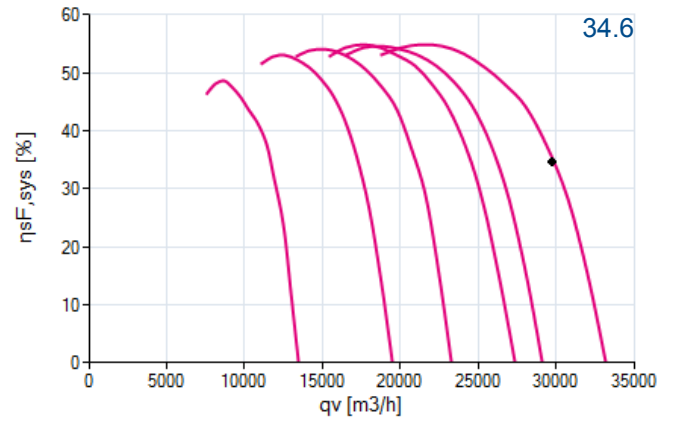
165010 | Portfolio STD-WW

Volume meetingen 1.16 [kg/m³]

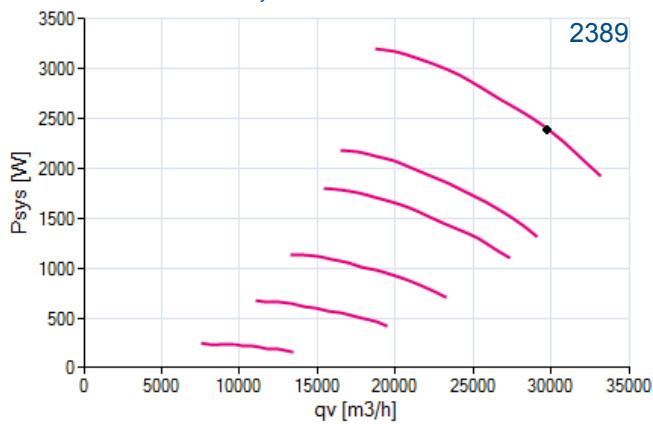
rendement  $\eta_{F,sys}$



rendement  $\eta_{sF,sys}$



Ingangs vermogen  $P_{sys}$



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## nominale gegevens

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3~ 380-480V 50Hz P1 3.20kW  
 5.20-4.20A 1100/MIN 45°C  
 3~ 380-480V 60Hz P1 3.20kW  
 5.20-4.20A 1100/MIN 45°C  
 IP54 THCL155

## Tekening

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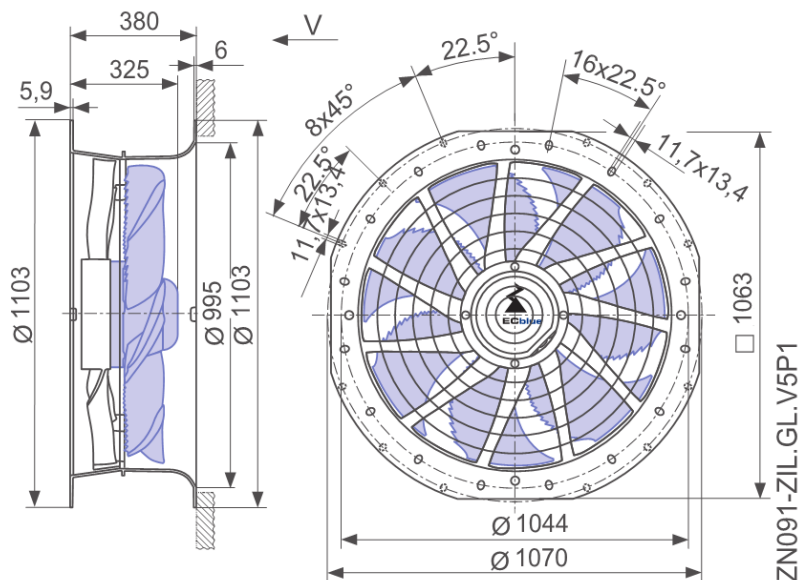
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## aansluitschema

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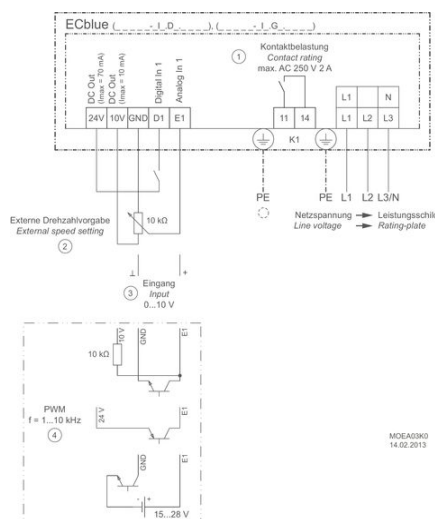
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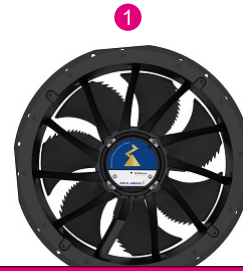


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toebehoren

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