

1



FN080-ADK.6N.V7P5 | 168901 | Portfolio Europe | FE2owlet AC

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.**



données ventilateur

06.02.2025

version FANselect V 1.01 (250206), AMCA V 1.03 September, 2021
RLT V 1.00 Dezember, 2021 / 1.25.02.06 | 1165 | (utilisateur paviot)



type	FN080-ADK.6N.V7P5
n°article	168901 Portfolio Europe

caractéristiques

moteur		AC
tension principale	-	3~ 400V 50Hz D
intensité nominale (I _N)	A	2.20
température ambiante (t _r)	°C	70
rendement η _{statA}	%	33,1
Rendement N _{actual} N _{target}		40,1 40
classe ErP		2015
grille influence		pressure side not measured

données ventilateur

frequence (f _{BP}) (f _{max})	Hz	50 60
dimensions (LxIxh)	mm	995 x 995 x 271
poids (m _{pr})	kg	37.9

PF:PF_61; Ano:168901; STol:+-10 %



courbe debit/pression / Acoustic

06.02.2025

version FANselect V 1.01 (250206), AMCA V 1.03 September, 2021
RLT V 1.00 Dezember, 2021 / 1.25.02.06 | 1165 | (utilisateur paviot)

1

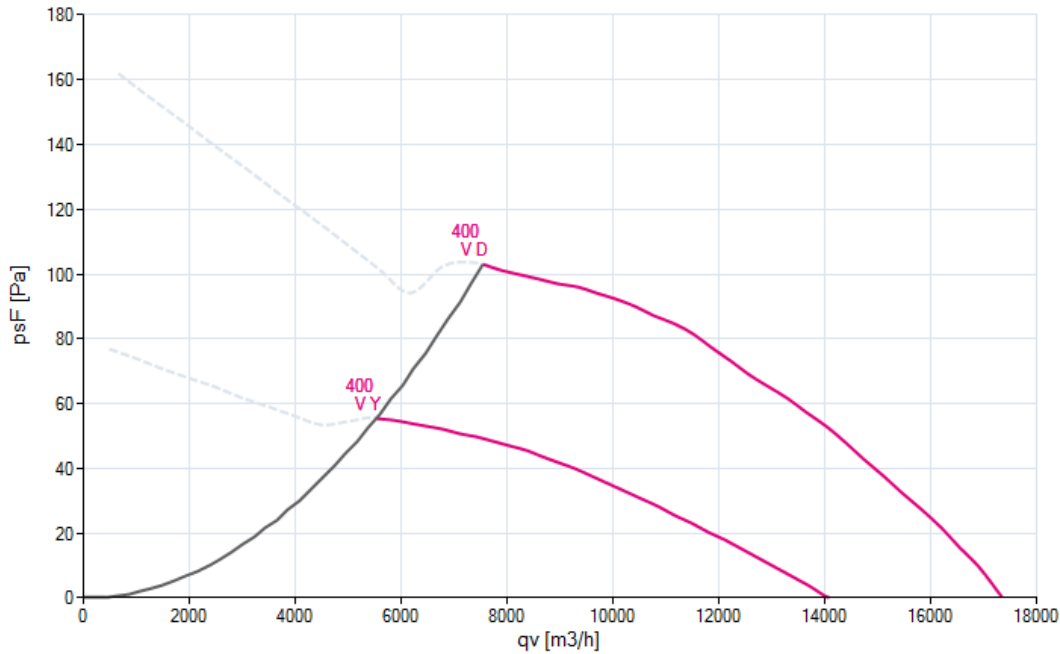
FN080-ADK.6N.V7P5

Measured in full nozzle without guard grille in air flow direction V in installation type A according to ISO5801

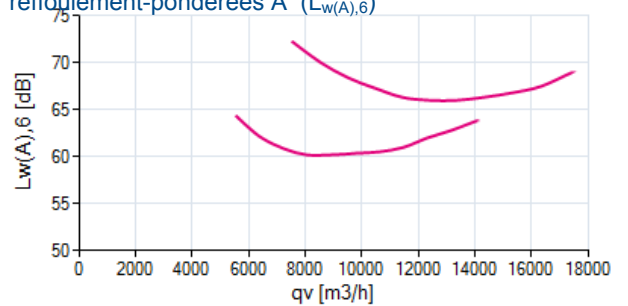
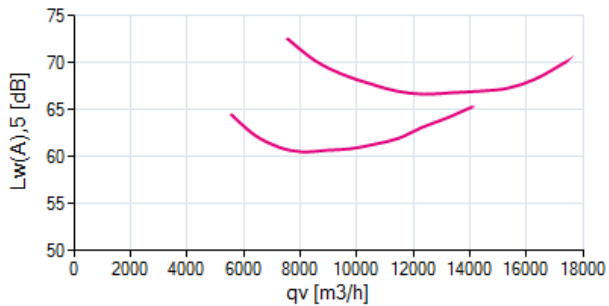
168901 | Portfolio Europe

densité de mesure 1.15 [kg/m³]

Performance aéraulique p_{sF}



niveau de puissance acoustique côté aspiration-pondérées A (Niveau de puissance acoustique côté refoulement-pondérées A ($L_{w(A),6}$))



1 FN080-ADK.6N.V7P5

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



rendement / puissance

06.02.2025

version FANselect V 1.01 (250206), AMCA V 1.03 September, 2021
RLT V 1.00 Dezember, 2021 / 1.25.02.06 | 1165 | (utilisateur paviot)

1

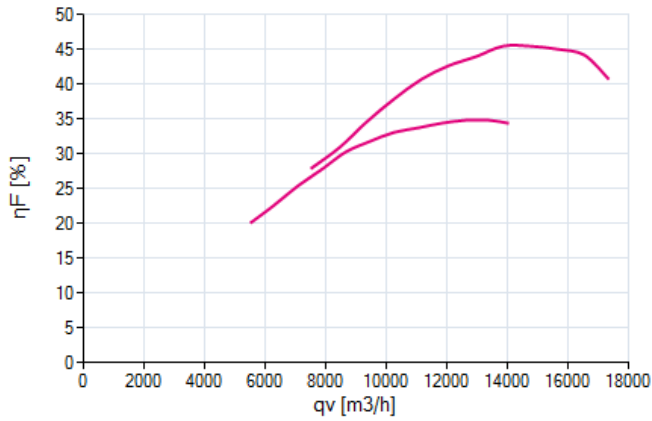
FN080-ADK.6N.V7P5

Measured in full nozzle without guard grille in air flow direction V in installation type A according to ISO5801

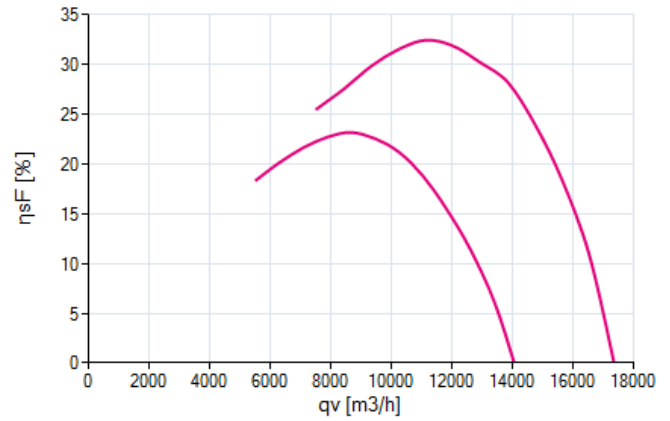
168901 | Portfolio Europe

densité de mesure 1.15 [kg/m³]

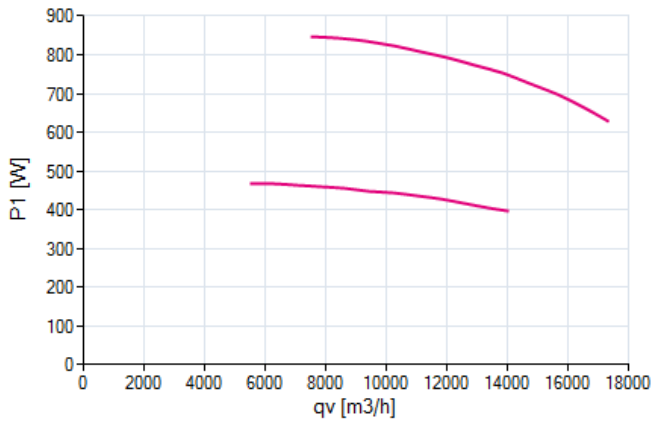
rendement η_F



rendement η_{sF}



puissance P_1



valeur nominale

version FANselect V 1.01 (250206), AMCA V 1.03 September, 2021
RLT V 1.00 Dezember, 2021 / 1.25.02.06 | 1165 | (utilisateur paviot)

06.02.2025

1



FN080-ADK.6N.V7P5

168901

3~ 460V +10/-10 D/Y 60Hz P1 1.25/0.62kW
 2.50/1.10A DI=0% 730/500/MIN COSY 0.63 65°C
 3~ 400V +10/-10 D/Y 50Hz P1 0.84/0.46kW
 2.20/1.00A DI=0% 650/480/MIN COSY 0.57 70°C
 3~ 400V +10/-10 D/Y 60Hz P1 1.10/0.50kW
 2.40/1.05A DI=0% 670/450/MIN COSY 0.66 70°C
 IP54 THCL155

plan

version FANselect V 1.01 (250206), AMCA V 1.03 September, 2021
RLT V 1.00 Dezember, 2021 / 1.25.02.06 | 1165 | (utilisateur paviot)

06.02.2025

1



FN080-ADK.6N.V7P5

168901

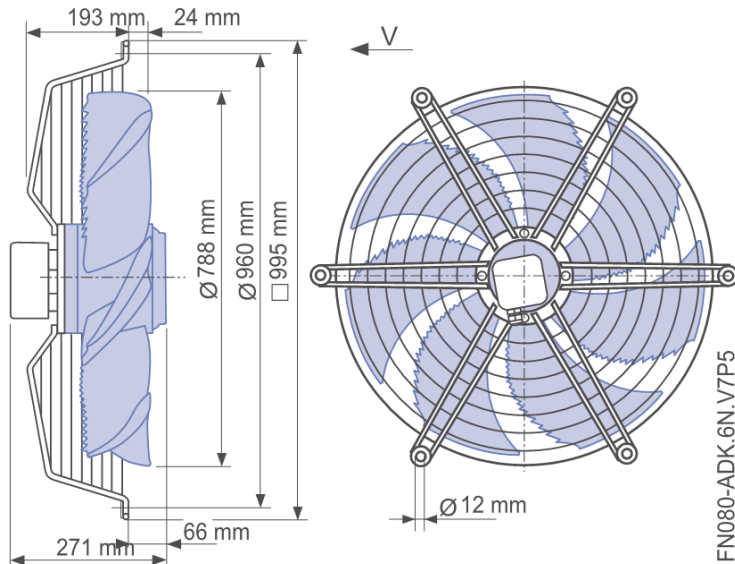


schéma de bobinage

version FANselect V 1.01 (250206), AMCA V 1.03 September, 2021
RLT V 1.00 Dezember, 2021 / 1.25.02.06 | 1165 | (utilisateur paviot)

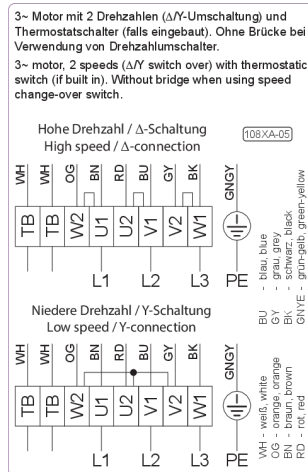
06.02.2025

1



FN080-ADK.6N.V7P5

168901





type	FN080-ADK.6N.V7P5
n°article	168901