

CRF-315-6M

Code: 1116167

Centrifugal roof fans with low noise level

Centrifugal roof fans with low noise and external rotor motor.



Fan:

- Galvanised steel sheet construction.
- Backward curved impeller made of aluminium sheet metal except for models 225 and 250, which are made of galvanised sheet steel.
- Bird protection grid.
- Foldable casing for ease of inspection and maintenance.



Motor:

- Class F motors. External rotor and IP54 protection.
- Single-phase 230 V 50/60 Hz, except models 450 and 500, 230 V 50 Hz.
- Three-phase 400 V 50/60 Hz, except models 450 and 500, 400 V 50 Hz.
- Working temperature: -25 °C +50 °C.

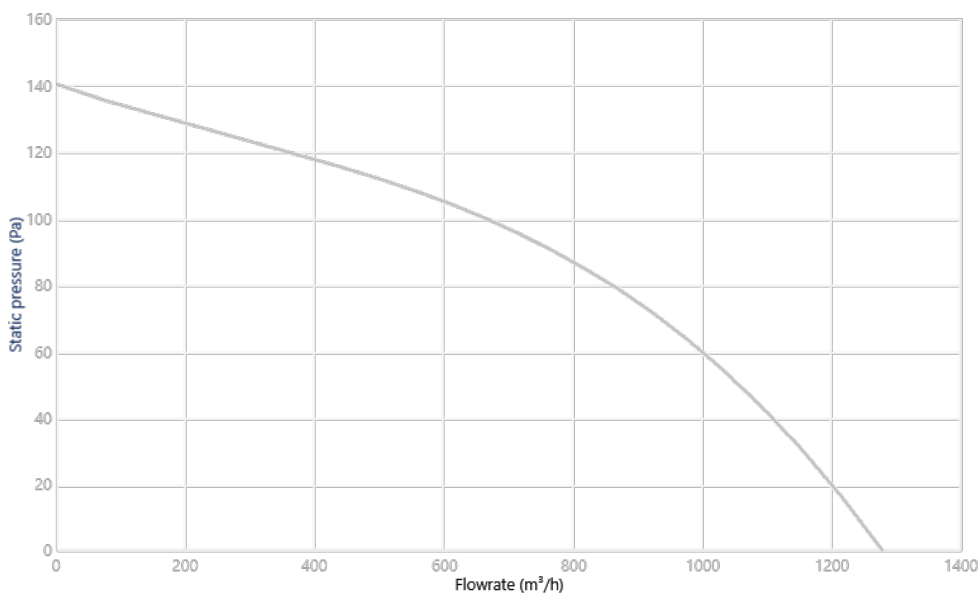
Finish:

- Galvanised steel sheet.

On request:

- The variable speed drive (VSD) is supplied on request.

CHARACTERISTIC CURVE AND ACOUSTICS AT 1.2KG/M³

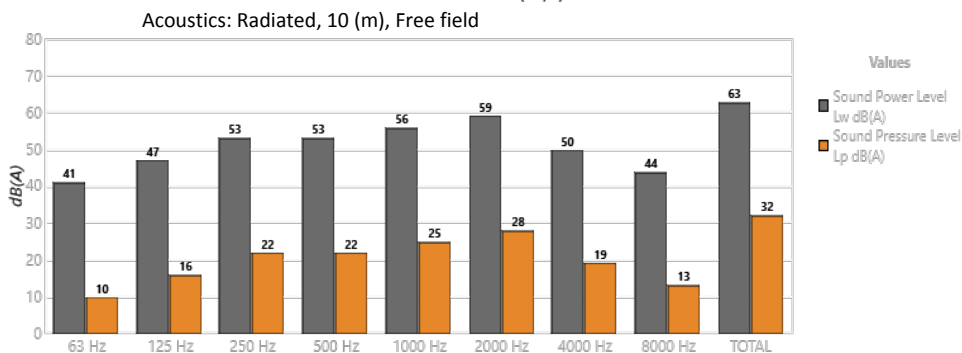


Design Point

Q (m³/h)	
Ps (Pa)	

Service Point (SP)

Q (m³/h)	-
Ps (Pa)	-
Pd (Pa)	-
Pt (Pa)	-



Band	Lw dB(A)	Lp dB(A)
63 Hz	41	10
125 Hz	47	16
250 Hz	53	22
500 Hz	53	22
1000 Hz	56	25
2000 Hz	59	28
4000 Hz	50	19
8000 Hz	44	13
TOTAL	63	32

TECHNICAL CHARACTERISTICS

Airflow maximum (m³/h)	1280
Speed (rpm)	940
Maximum static pressure (Pa)	140.3
Maximum total pressure (Pa)	140.3

ERP

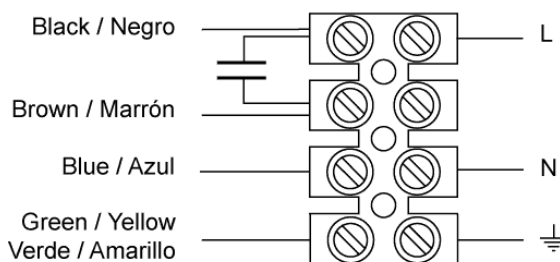
Brand	SODECA, S.L.U.
Model	CRF-315-6M
Specific energy consumption (SEC) average climate (kWh/(m ² .yr))	-20.3
Specific energy consumption (SEC) cold climate (kWh/(m ² .yr))	-41.3
Specific energy consumption (SEC) warm climate (kWh/(m ² .yr))	-8.3
SEC class	D
Typology	RVU / UVU
Drive type	Variable speed
HRS type	None
Maximum flow rate (m ³ /h)	664
Electric power input of the fan drive at maximum flow rate (W)	32
Sound power level (LWA) (dBA)	52
Reference flow rate (m ³ /s)	0.129
Reference pressure difference (Pa)	49
SPI (W/m ³ /h)	0.070

Control factor	0.85
Control typology	Central demand control
Position and description of visual filter warning	Not applicable
Instructions to install regulated grilles	See manual
Website	www.sodeca.com
Annual electricity consumption (AEC) average climate (kWh/yr)	100
Annual electricity consumption (AEC) warm climate (kWh/yr)	100
Annual electricity consumption (AEC) cold climate (kWh/yr)	100
Annual heating saved (AHS) average climate (kWh/yr)	2200
Annual heating saved (AHS) warm climate (kWh/yr)	1000
Annual heating saved (AHS) cold climate (kWh/yr)	4300
ErP compliance	2018

MOTOR DATA

Max. Electrical Power (kW)	0.1
Hz/phases	50/1
Motor (rpm)	940
Poles	6P
Max. current (A) 220-240 V	0.45
Motor protection	IP54

Data can change, please check motor plate



DIMENSIONS

A	ØD* [1]	E	F	F1	G	H	øI
265	205	30	690	514	450	400	12

[1] Recommended nominal diameter for duct.

Dimensions without explicitly defined units are shown in millimeters (mm). Dimensions depending on the motor are approximate

Approx. weight (kg)	17
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