

ROOF-CER

CENTRIFUGALNI KROVNI VENTILATOR SA SPOLJNIM MOTOROM

CENTRIFUGAL ROOF FAN WITH
EXTERNAL ROTOR MOTOR



APLIKACIJE

ROOF-CER serija je namenjena za krovne instalacije za aspiraciju relativno malih količina vazduha u civilnim i poslovnim zgradama.

DOMET

Asortiman se sastoji od 3 modela sa prečnikom radnog kola od 190 do 250 mm.

KARAKTERISTIKE

ROOF-CER seriju karakteriše veoma kompaktna i robusna konstrukcija, vizuelni efekat koji se dobro uklapa u objekte za koje je namenjen i savršeno podešavanje brzine rotora.

KONSTRUKCIJA

- Konstrukcija od obojenog čeličnog lima.
- Visoka efikasnost nazad zakrivljenog radnog kola.
- Elektromotor sa spoljnim rotorom IP 44 cl F elektronski podesiv priključen na eksterni IP54 terminalni blok od tehnopolimera.

TEHNIČKE SPECIFIKACIJE

- Preneti vazduh: čist, neabrazivan.
- Temperatura vazduha: -20°C / $+50^{\circ}\text{C}$
- Napon i frekvencija napajanja:
 - Monofazna verzija (M) 230V-50 Hz.

PRIBOR

- Regulatori brzine
- Servisni prekidač (SV)
- Zaštitna mreža (obavezna za upotrebu sa slobodnim ustima)

APPLICATIONS

ROOF-CER line is destined for roofing installations to exhaust low air volumes, in civilian and commercial buildings.

RANGE

This line consists of 3 models with impeller diameter from 190 up to 250 mm.

ADVANTAGES

ROOF-CER fans are characterized by the sturdy and compact construction, a visual impact easy to be harmonized with the buildings and by their perfectly adjustable speed.

CONSTRUCTION

- Frame in painted metal sheet.
- High efficiency centrifugal backward curved impeller.
- External rotor motor IP 44 cl F speed adjustable through electronic speed controller, wired to an external terminal box in techno-polymer IP55.

TECHNICAL SPECIFICATIONS

- Conveyed air: clean, not abrasive.
- Air temperature: -20°C / $+50^{\circ}\text{C}$.
- Voltage: Mono-phase version (M) 230V-50 Hz.

ACCESSORIES

- Mono-phase speed regulators.
- Service switch (SW).
- Protection grid (mandatory for free air).

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PERFORMANSE - PERFORMANCES

1 Mm H₂O= 9,8 Pa

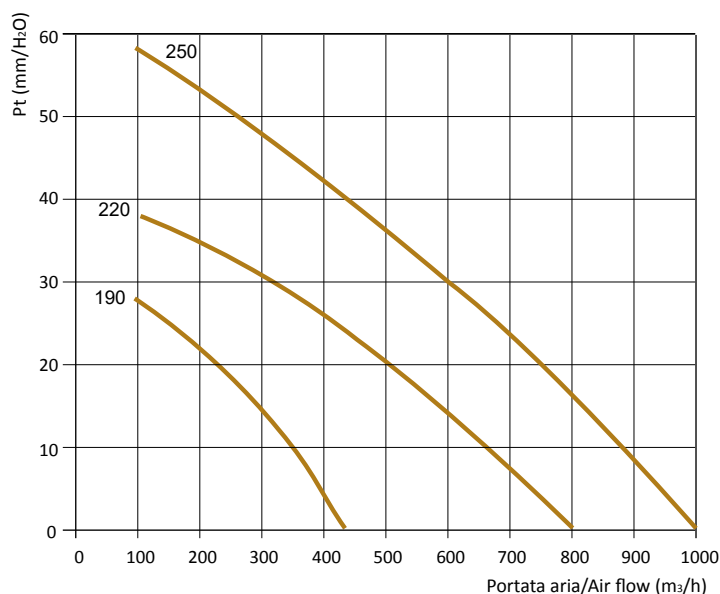
Performanse prikazane na dijagramima odnose se na vazduh na temperaturi od 15 ° C i nadmorskoj visini od 0 m. , a dobijeni su u instalacijama tipa "C" u nedostatku mreže i pribora.

Performances shown in the selection diagrams refer to air at 15°C temperature and 0 mt a.s.l. altitude, and they were obtained in installation type "C" with no grid nor accessories.

Model Model	Brzina protoka Flow rate (m ³ /h)	Pm (kW)	In max (A)	Lp (dB(A))	Regulator Regulator
190 M	425	60	0,26	39	SREM 1,5A
220 M	800	85	0,38	41	SREM 1,5A
250 M	1000	220	0,95	45	SREM 1,5A

Pm = Snaga motora
In = Potrošnja struje
Lp = Nivo zvučnog pritiska u slobodnom polju 6 m od ventilatora sa kanalnim ulazom i slobodnim izlazom

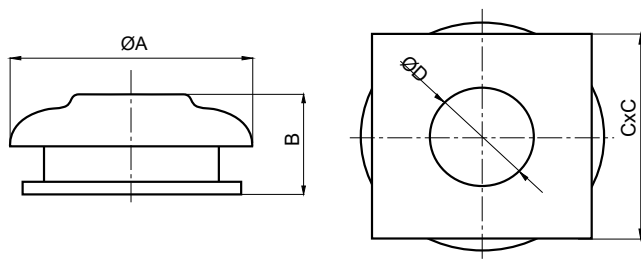
Pm = Motor power. In = Absorbed current.
Lp = Sound pressure level in free field at 6 m distance from the fan, with inlet ducted and free outlet



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DIMENZIJE - DIMENSIONS

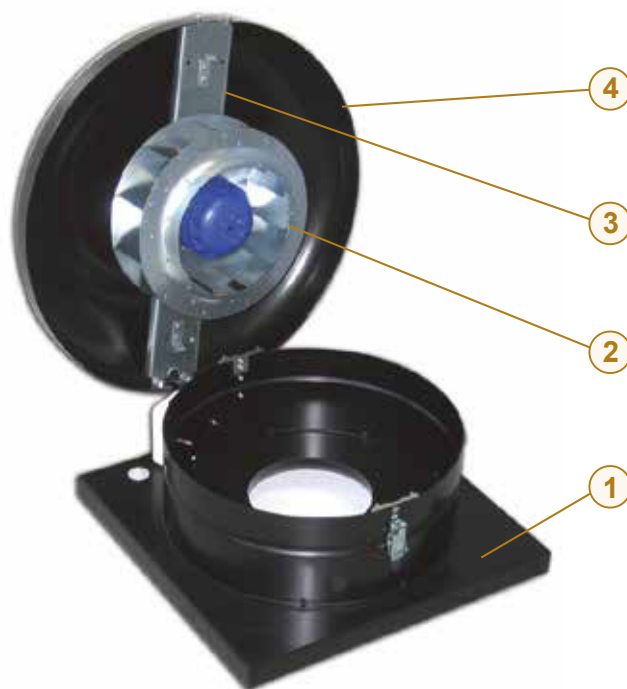
Dimenzije u mm - Dimensions in mm



Model Model	A	B	C	D	kg
190	344	210	305	125	5
220	450	215	405	145	7
250	450	248	405	165	8

Dimenzionalne tolerancije u ± 5 mm - Dimensional tolerances ± 5 mm

- 1 Baza - Base
- 2 Motorna jedinica - Motor impeller group
- 3 Držač motora - Motor support
- 4 Prekrivač - Cover



Tolerancije: aerodinamičke performanse i buka su unutar tolerancija navedenih u DIN 24166, klasa 2. „Sve ventilacione jedinice, prema evropskoj regulativi 1253/14, moraju da rade pomoću varijatora brzine prema vrsti elektromotora. Indikacija pogona je prikazana u dokumentaciji same ventilacione jedinice "

TOLERANCES: performances and sound power levels within the tolerances allowed by the DIN 24166 standard for Class 2. "All the ventilation units, according to EU Rule 1253/14, must be equipped with variable speed drive depending by motor type. For the suitable driver please refer the technical documentation of the unit itself"

U slučaju instalacije u EU, koristiti samo za izmenu vazduha u okruženjima koja NE borave isključivo ljudi (na primer: profesionalne kuhinje, industrijske i poljoprivredne primene, ventilacija mašina, proizvođači originalne opreme, centri podataka,...)

In case of EU installation use only for air changes in environments NOT solely occupied by persons (for example: professional kitchens, industrial and agricultural applications, machinery ventilation, OEM, data centers,...)