

DC-BOX

DIREKTNO SPOJENI VENTILATOR U KUTIJI

DIRECT COUPLED CABINET FAN



APLIKACIJE

DC-BOX serija, koja se sastoji od direktno spojenih centrifugalnih ventilatora sa dvostrukim usisom (DC), umetnutih u plenum (BOKS) obložen materijalom koji apsorbira zvuk.

Posebno su pogodni za usisavanje ili uvođenje vazduha u stambena i komercijalna okruženja (kancelarije, teretane, prodavnice, restorani) ili industrijska okruženja (mašine, električne ploče...) gde je potreban tih rad..

DOMET

7 modela sa prečnikom radnog kola od 7 do 12 inča i sa protokom vazduha do 7.600 m³ / h. Maksimalni dostupni pritisci: 600 Pa.

KARAKTERISTIKE

DC-BOX karakteriše suštinska i industrijalizovana nosiva školjka koja daje: robusnost, zaštitu i istovremeno ekonomičnost proizvoda.

KONSTRUKCIJA

- Samonoseća pocinkovana čelična konstrukcija Unutrašnji premaz koji apsorbira zvuk Cl.1.
- Otvor za isporuku sa pravougaonim presekom.
- Centrifugalni ventilatori, napred zakrivljene lopatice, dvostruki ulaz sa motorom direktno spojenim na radno kolo, jednofazni.
- Trofazni motor dostupan za veličine 12/9 i 12/12. Automatsko resetovanje termičke zaštite.
- Ploče koje se lako skidaju za pregled i održavanje (samo bočne ploče).
- Izvedba 5 (direktna spojica sa konzolnim radnim kolom)

TEHNIČKE SPECIFIKACIJE

- Preneti vazduh: čist, neabrazivan.
- Temperatura transportovanog vazduha: -20 ° C / +50° C
- Napajanje: Trofazna verzija (T) 400V-50Hz.
Monofazna verzija (M) 230V-50Hz.
- Usisni bočni panel je zatvoren

PRIBOR

- Regulatori brzine
- Nožice (SF-CB).

APPLICATIONS

DC-BOX line consists of direct coupled double inlet centrifugal fans (DC), housed in a plenum (cabinet), lined of sound proofing material.

These fans are particularly suitable to extract or introduce air in residential, commercial and industrial buildings (offices, gyms, shops, restaurants engine rooms, electric panel rooms etc.) requiring silent operation.

RANGE

7 models from 7 to 12 inch impellers and airflow up to 7.600 m³/h. Maximum pressures allowed: 600 Pa.

ADVANTAGES

DC-BOX fans are characterized by an essential and industrialized self-carrying shell conferring sturdiness, protection and product competitiveness.

CONSTRUCTIONS

- Cabinet extract fans with self-carrying frame in galvanized steel sheet. Internal sound proofing lining Cl.1.
- Rectangular outlet section.
- Centrifugal forward curved blade, double inlet fans with direct coupled motor, mono-phase.
- Sizes 12/9 and 12/12 also available in three-phase version. Self rearm thermal protection.
- Easy removal panels to allow inspection and maintenance (only side panels).
- Arrangement 5 (direct coupling).

TECHNICAL SPECIFICATIONS

- Conveyed air: clean not abrasive.
- Temperature of conveyed air: -20°C / +50°C.
- Voltage and frequency: Three phase version (T) 400V-50Hz. Mono-phase version (M) 230V-50Hz.
- Inlet side panel closed.

ACCESSORIES

- Speed regulators.
- Support feets (SF-CB).

DC-BOX

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 "D" 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 "D" with no grid nor accessories.

4 POLA/ POLES (1500 RPM) MONOFAZNO/ MONO-PHASE (230V-50 Hz)

Modello Model	Pm (W)	In max (A)	Lp (dB(A))	Regolatore Regulator
7/7 4M	147	1,2	57	SREM4A/SRSM4A
9/9 4M	550	3,9	67	SREM7A/SRSM7A
10/10 4M	550	4,5	63	SREM7A/SRSM7A

„Sve ventilacione jedinice, u skladu sa Pravilom EU 1253/14, moraju biti opremljene pogonom sa promenljivom brzinom u zavisnosti od tipa motora. Za odgovarajući pogon pogledajte tehničku dokumentaciju same jedinice.“

“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 to the technical documentation of the unit itself”.

6 POLA/ POLES (1000 RPM) MONOFAZNO/ MONO-PHASE (230V-50 Hz)

Modello Model	Pm (W)	In max (A)	Lp (dB(A))	Regolatore Regulator
7/7 6M	72	0,6	51	SREM1,5A/SRSM4A
9/9 6M	200	1,8	58	SREM4A/SRSM4A
10/10 6M	245	3,1	55	SREM4A/SRSM4A
12/9 6M*	736	6	63	SREM7A/SRSM7A
12/12 6M*	736	6	59	SREM7A/SRSM7A

6 POLA/ POLES (1000 RPM) TROFAZNO/ THREE-PHASE (400V-50 Hz)

Modello Model	Pm (W)	In max (A)	Lp (dB(A))	Regolatore Regulator
12/9 6T*	1100	4,2	70	SRST7A
12/12 6T*	1100	4,9	69	SRST7A

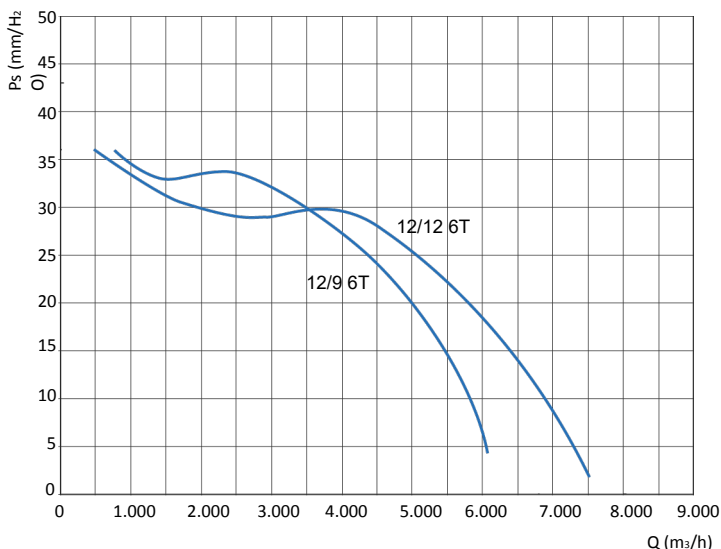
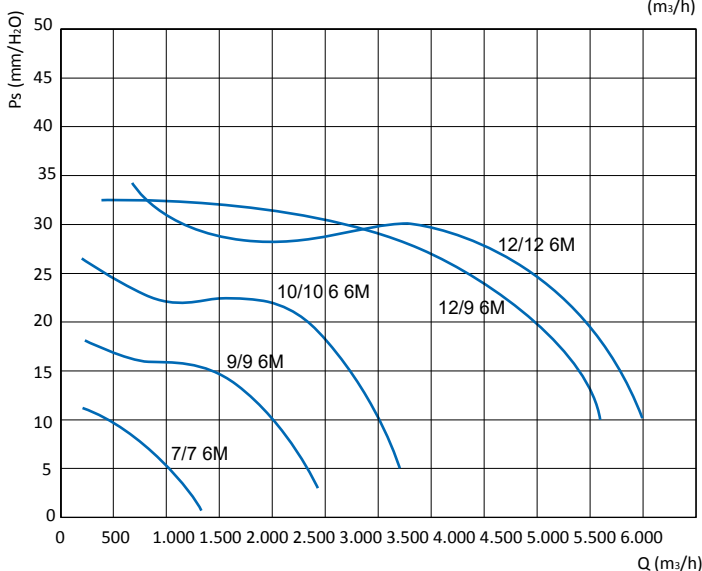
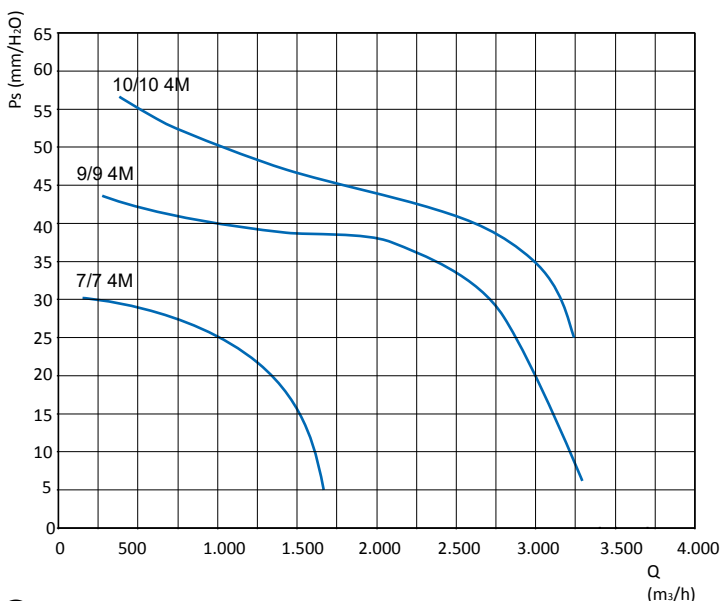
Rpm = Nazivna brzina motora
Pm = Snaga motora
In = Potrošnja struje
Lp = Nivo zvučnog pritiska u slobodnom polju na 1,5 m od ventilatora sa kanalnim otvorima.

Rpm = Nominal motor speed
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

* U slučaju ugradnje u EU, koristiti samo za ekstrakcije u okruženjima NISU isključivo zauzimaju ljudi (npr. profesionalne kuhinje, industrijske i poljoprivredne aplikacije, mašine, data centri, itd.) Tolerancije: aerodinamičke performanse i buka su unutar 40 tolerancije navedene u DIN 24166, klasa 2.

* 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,...).

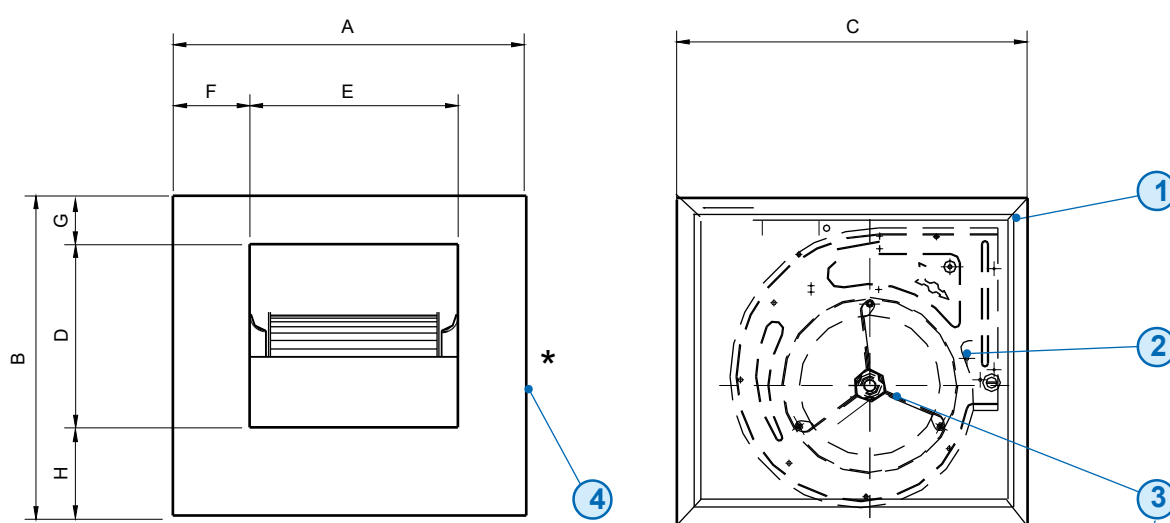
Tolerances: performances and sound power levels within the tolerances allowed by the DIN 24166 standard for Class 2.



DC-BOX**DIMENZIJE - DIMENSIONS**

Modello Model	A	B	C	D	E	F	G	H	kg
DC-BOX 7/7	480	440	440	210	234	123	105	125	20
DC-BOX 9/9	520	480	480	264	300	110	83	133	26
DC-BOX 10/10	580	540	540	291	332	124	87	162	32
DC-BOX 12/9	680	640	640	343	310	185	109	188	50
DC-BOX 12/12	680	640	640	343	396	142	109	188	52

Dimenzionalne tolerancije ± 5 mm - Dimensional tolerances ± 5 mm



* inspeksijske strane- *Inspection side panel*

- **1** KABINET- *Cabinet*
- **2** KABINET- *Fan*
- **3** GRUPA MOTORA IMPELLER
– *Motor impeller group*
- **4** INSPEKCIJSKA TABLA
– *Inspection panel*

