

## DIRECT COUPLED CABINET FAN



### FIELD OF APPLICATION

CAB-DC 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.

### SERIES

7 models from 7 to 12 inch impellers and airflow up to 7.600 m<sup>3</sup>/h. Maximum pressures allowed: 600 Pa.

### ADVANTAGES

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

### ARRANGEMENT

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, single-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 DETAILS

- Conveyed air: clean not abrasive.
- Temperature of conveyed air: -20°C / +50°C
- Voltage and frequency:
  - three-phase version (T) 400 - 415V - 3Ph - 50Hz
  - single-phase version (M) 230 - 240V - 1Ph - 50Hz
- Inlet side panel closed

### OPTIONALS

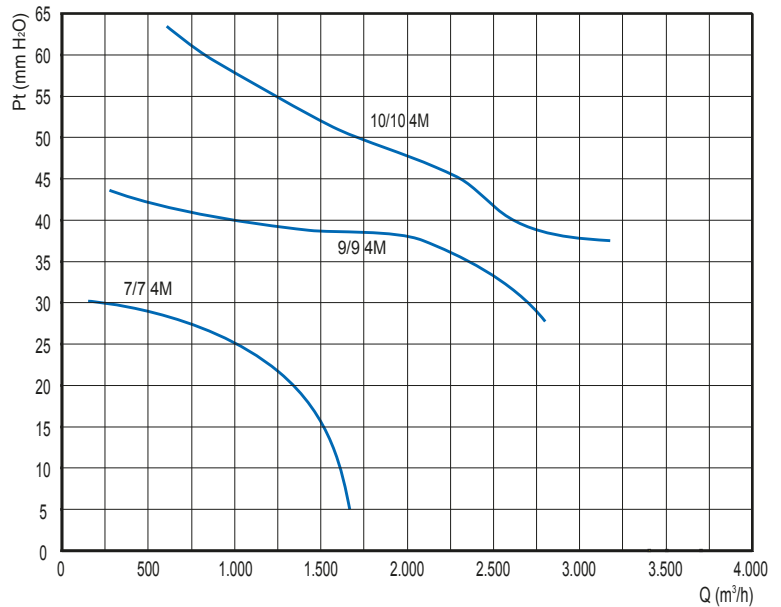
- Speed controller
- Special voltage and frequency
- Gravity shutter (SHT)
- Rain cover (TT-DC)
- Support feet (FT-BC)

Performance 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 poles (1500 rpm) M: single-phase (230 - 240V - 1Ph - 50Hz)

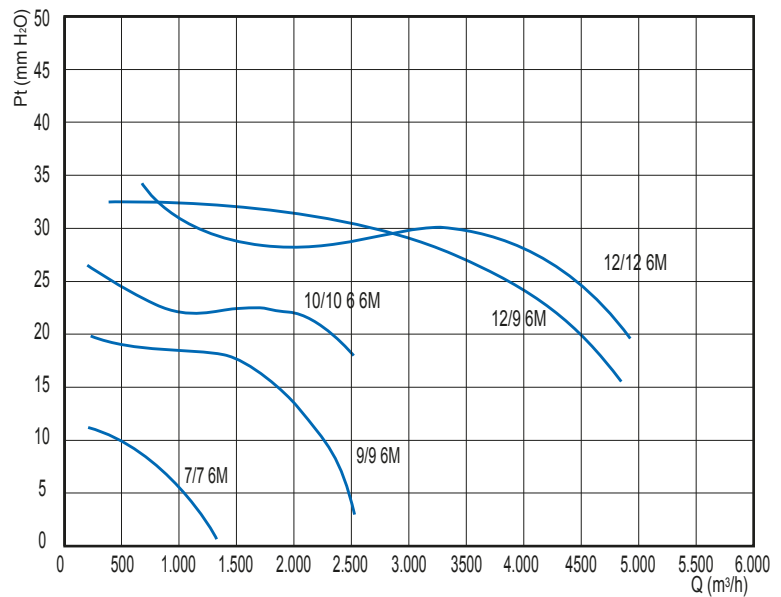
Model	Pm (W)	In max (A)	Lp dB(A)	Speed controller
7/7 4M	147	1,2	57	ESR 4A
9/9 4M	420	3	67	ESR 7A
10/10 4M	550	5	63	ESR 7A

\*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"



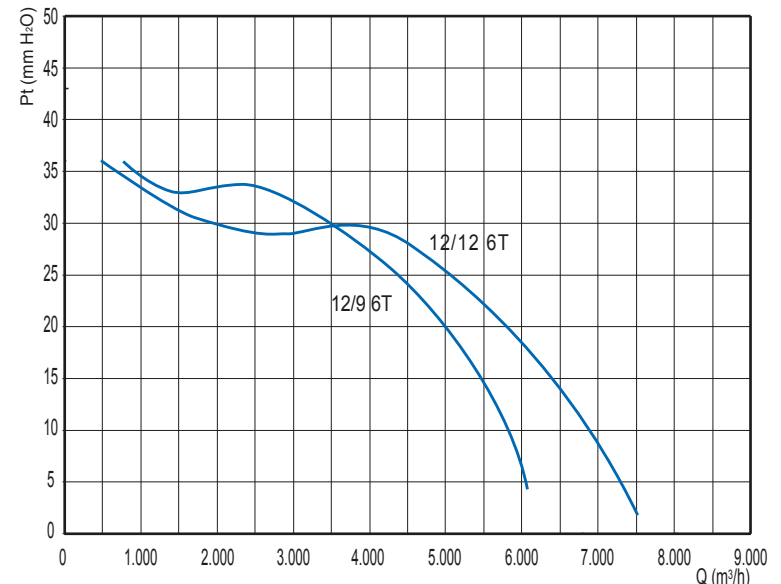
6 poles (1000 rpm) M: single-phase (230 - 240V - 1Ph - 50Hz)

Model	Pm (W)	In max (A)	Lp dB(A)	Speed controller
7/7 6M	50	0,54	51	ESR 4A
9/9 6M	250	2	58	ESR 4A
10/10 6M	250	1,85	55	ESR 4A
12/9 6M*	745	6	63	ESR 7A
12/12 6M*	570	6	59	ESR 7A



6 poles (1000 rpm) T: three-phase (400 - 415V - 3Ph - 50Hz)

Model	Pm (W)	In max (A)	Lp dB(A)	Speed controller
12/9 6T*	1100	3,6	70	TSR-T 7A
12/12 6T*	1100	3,6	69	TSR-T 7A



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

**Rpm=** Nominal motor speed

**Pm=** Motor power

**In=** Absorbed current

**Lp=** Sound pressure level in free field at 1.5 m distance from the fan, with ducted inlet and outlet.

\*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,...)

# CAB-DC Dimensions

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

Dimensions in mm

