

BOX BV CA



BELT DRIVEN CENTRIFUGAL IN SOUNDPROOF CABINET WITH FILTER

MANUFACTURING FEATURES:

- Impellers made of polyamide reinforced with fiberglass up to size 12/12 (33/33). The rest of models are made of galvanized steel sheet.
- BV, BVC, BVCR range fans assembles in soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class.
- Fan assembled on antivibration mountings.
- Supplied with motor, pulleys and belts.
- Connection gland included.
- Squirrel cage asynchronous standard motor, IP-55 protection and rated class F insulation. Standard voltages 230/400V 50Hz for three phase motors up to 4kW and 400/690V 50Hz for higher powers.

Accessories



BAC



F-BOX
BD/BV
CA



PI



TCA



TIAC



VIS

BOX with integrated G4 filter. Removable filter frame from both sides of the box for better maintenance. Replaceable and washable filtering foam. Optimized suctioning air inlet to maximize the performance of the fan.

APPLICATIONS:

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hoods.
- Maximum working temperature: 60°C.

UNDER REQUEST:

- 60Hz fans and special voltages.
- 2 SPEED MOTORS.
- Impellers made of galvanized steel sheet.
- LG0 position.

Technical data

Three-phase motor

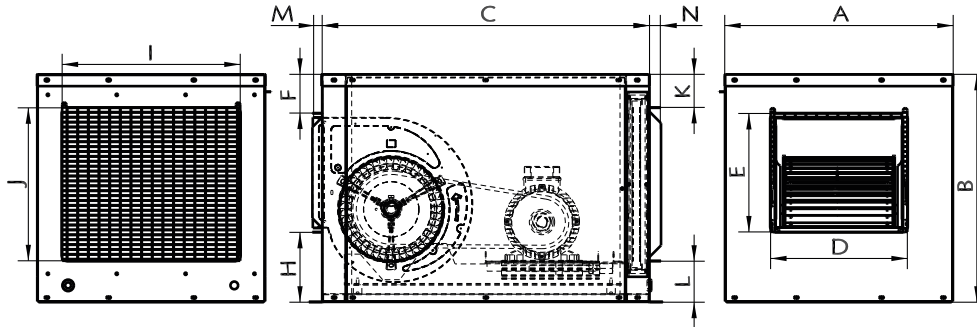
Code	Model	RPM	Min. Rated power kW	Max. Rated power kW	Max. Airflow m ³ /h	Sound db (A)**	Weight*	Connect. diagram
-	BOX BV CA 7/7	1650 - 2000	0,37	0,75	3.160	-	32	1
-	BOX BV CA 9/9	1200 - 1700	0,37	1,10	5.220	-	46	1
-	BOX BV CA 10/10	1000 - 1650	0,37	1,50	6.140	-	48	1
-	BOX BV CA 12/12	700 - 1400	0,37	2,20	9.080	-	62	1

Notes:

* The motor is not included in fan weight

** Total sound pressure level at the point of maximum flow measured in dB(A) in the suction measured in free field at a distance of 6m from the source

Dimensions



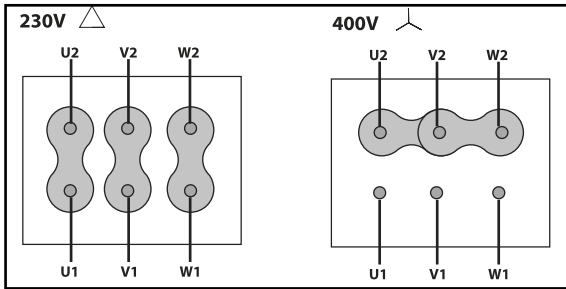
Model	A	B	C	D	E	F	H	I	J
BOX BV CA 7/7	450	450	698	252	226	76	146	352	309
BOX BV CA 9/9	535	535	768	321	278	91	164	418	359
BOX BV CA 10/10	580	580	798	352	309	79	190	489	421
BOX BV CA 12/12	650	650	868	418	359	78	211	572	495

Model	K	L	M	N
BOX BV CA 7/7	60	78.5	23	27
BOX BV CA 9/9	77	63	23	27
BOX BV CA 10/10	69	88	23	27
BOX BV CA 12/12	65	83	23	27

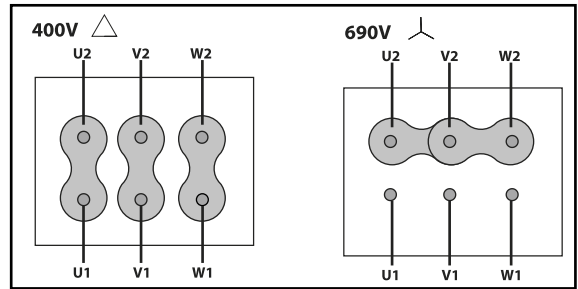
Wiring diagram

DIAGRAM Nº 1

230/400V



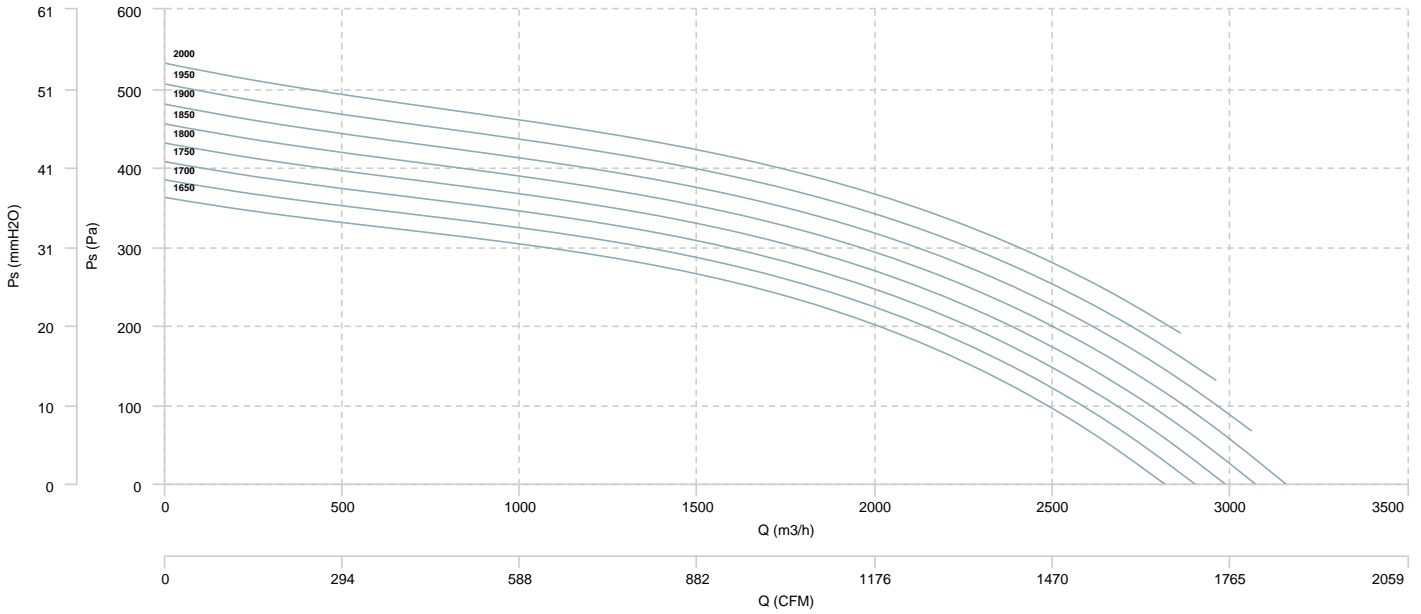
400/690V



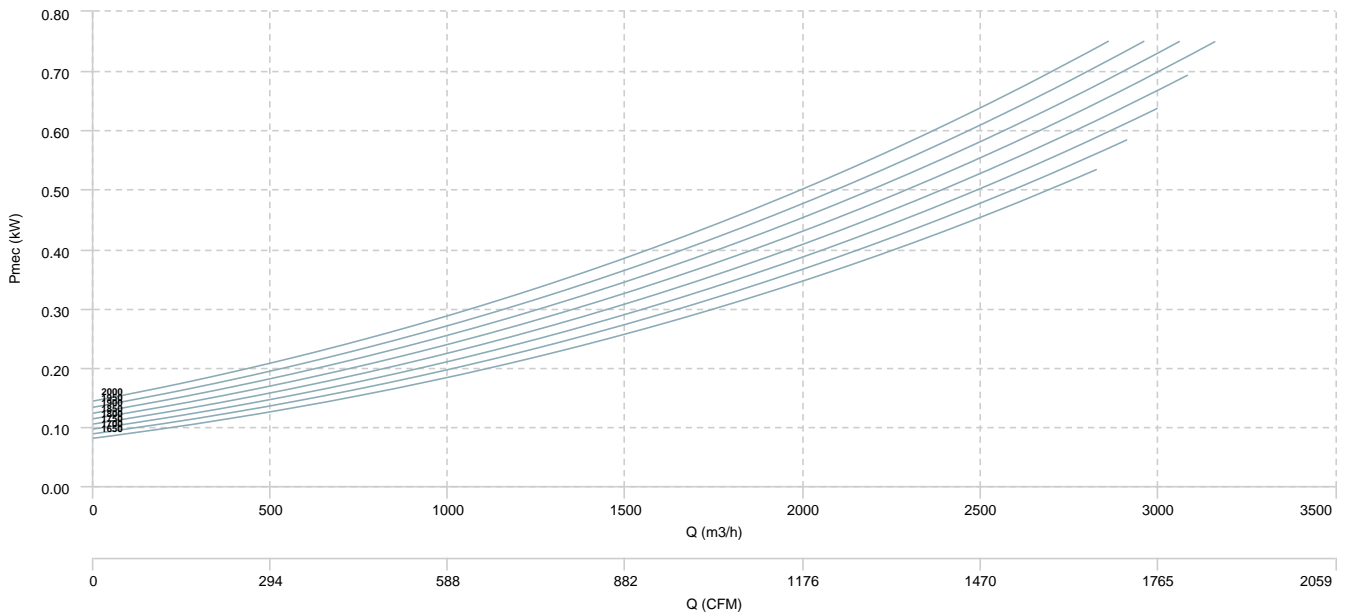
CHARACTERISTIC CURVE

BOX BV CA 7/7

AIR FLOW - PRESSURE

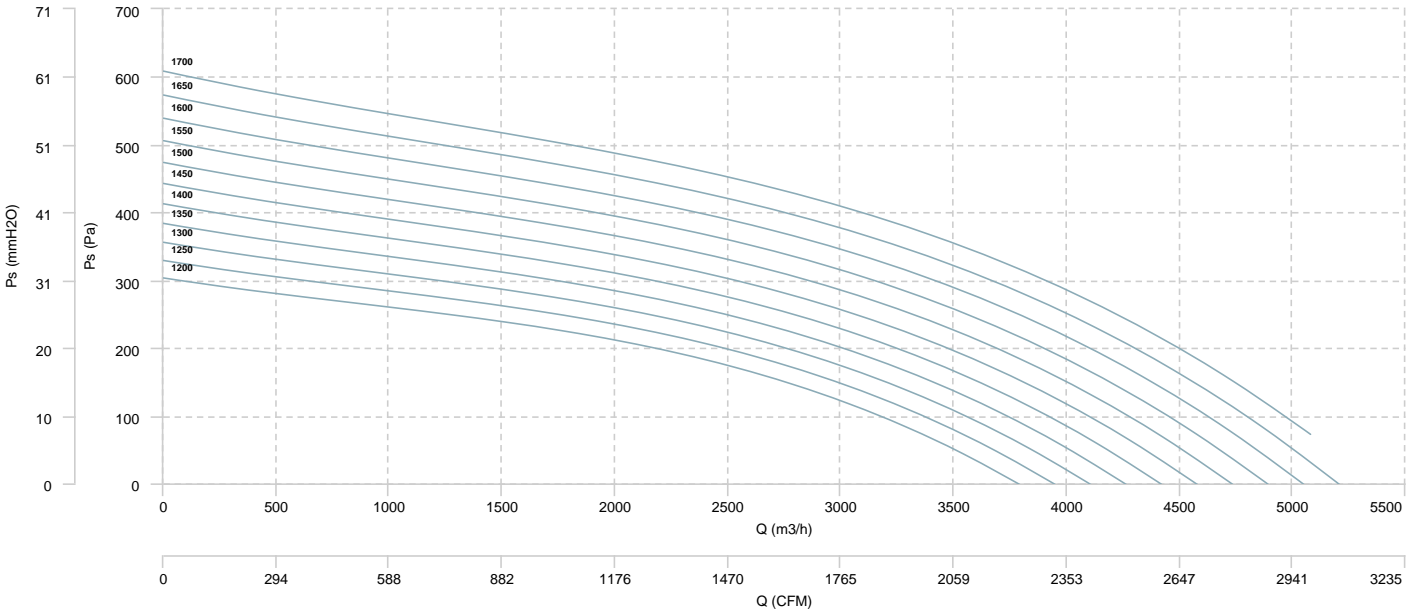


AIR FLOW - MECHANICAL POWER

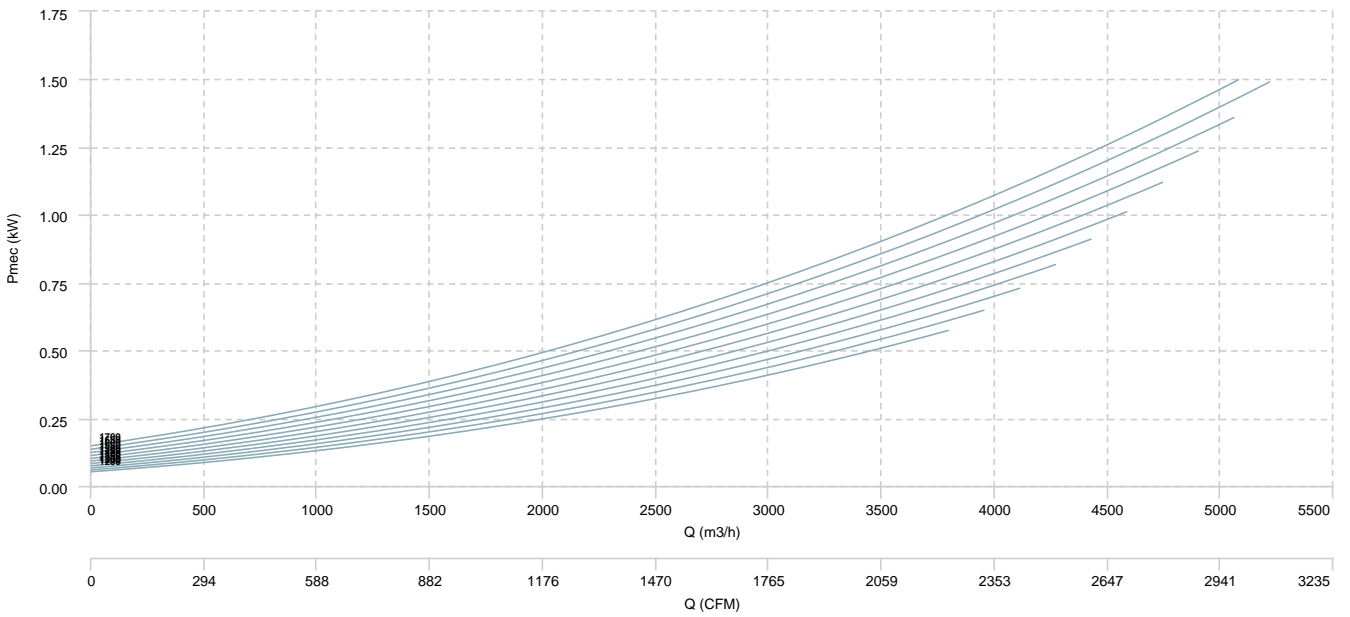


BOX BV CA 9/9

AIR FLOW - PRESSURE

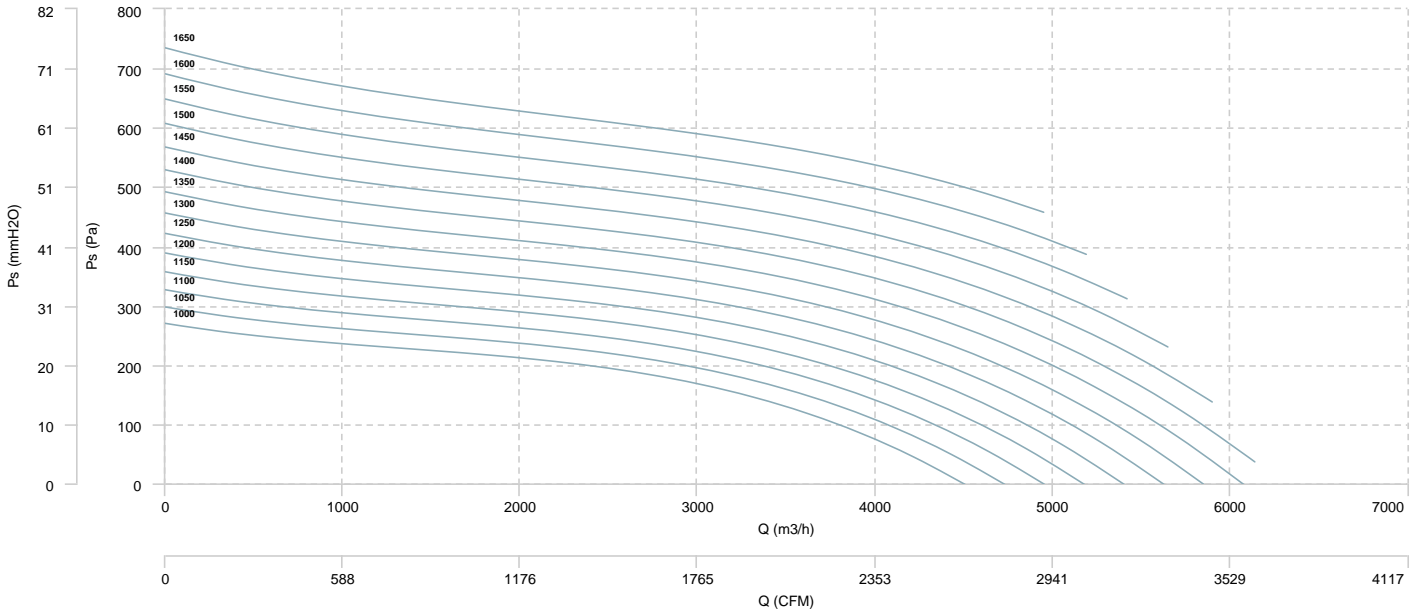


AIR FLOW - MECHANICAL POWER

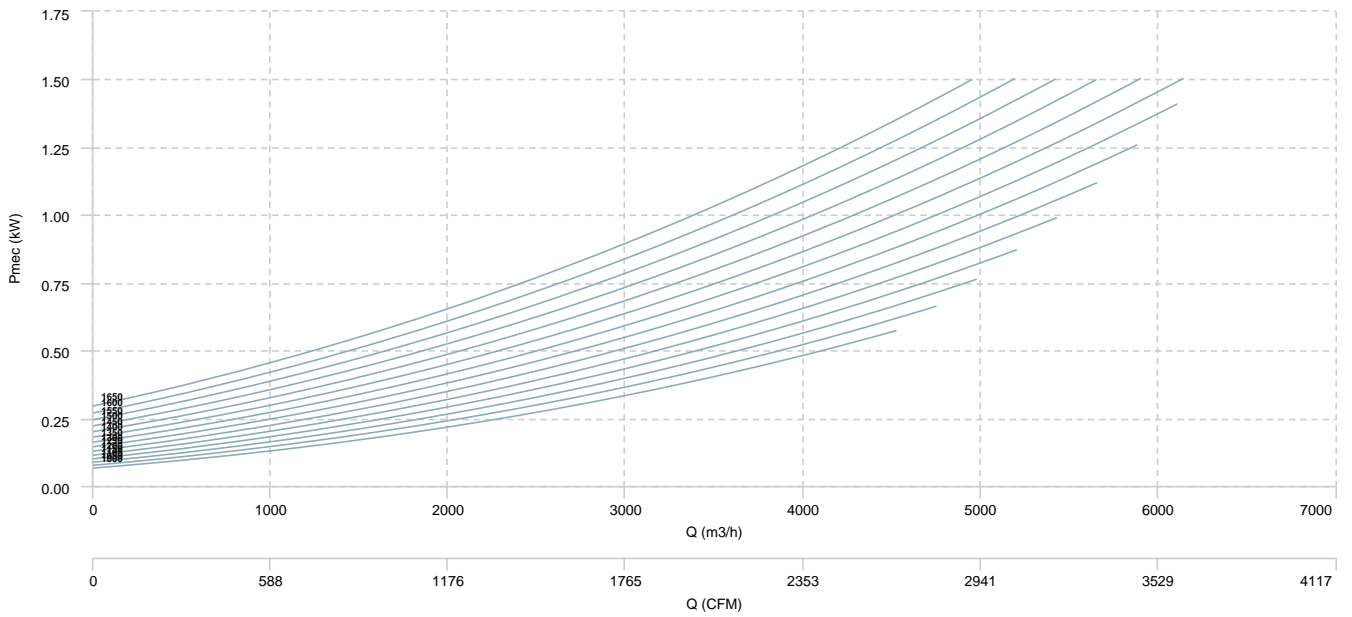


BOX BV CA 10/10

AIR FLOW - PRESSURE

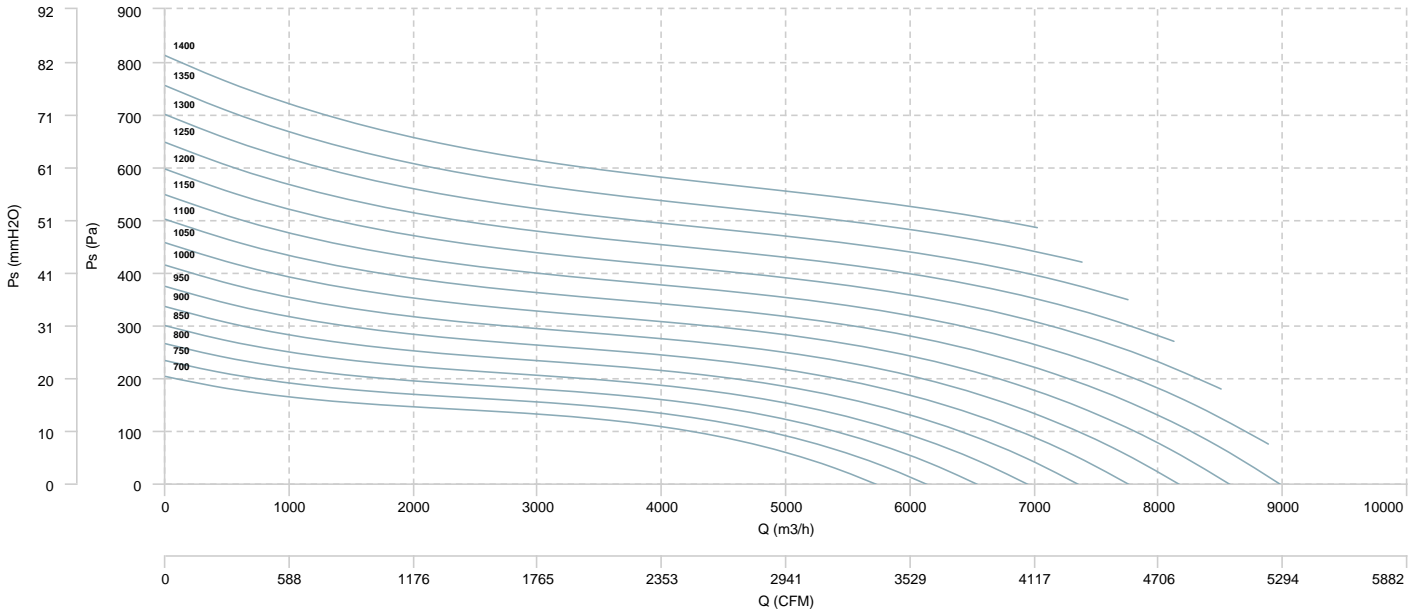


AIR FLOW - MECHANICAL POWER



BOX BV CA 12/12

AIR FLOW - PRESSURE



AIR FLOW - MECHANICAL POWER

