



# LOW PRESSURE CENTRIFUGAL FANS

## CBM Small range



Single inlet



Double inlet



Range of single and double inlet direct drive low pressure centrifugal fans manufactured from galvanised **sheet steel and protected against corrosion by a black polyester paint coating.**

All the models are fitted with forward curved centrifugal impellers manufactured from galvanized sheet steel.

Available, depending upon the model, with single phase motors in 2, 4 or 6 poles.

### Motors

All motors are **IP44**, Class B, equipped with **thermal protection** and **ball bearings** greased for life.

Electrical supply:

Single phase 230V-50Hz.

External rotor motor.

Speed controllable by Voltage.

### On request

Coupling flange fitted at the fan outlet.

## A P P L I C A T I O N S



Incorporation in ventilation cabinets



Air conditioning equipment



Applications in machinery

### Compact design



Special design of the whole assembly Motor over Impeller which provides a compact size specially in single inlet models

### Impeller dynamically balanced



Impeller **dynamically balanced**, according to ISO 1940 standard, providing vibration free operation

## ■ Technical characteristics

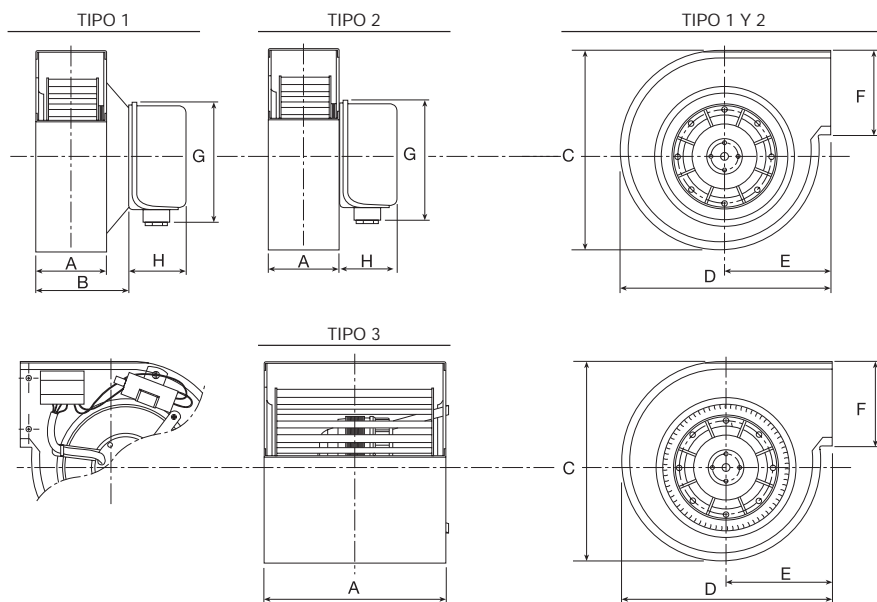
Before installation check that the product electrical characteristics listed on the data plate label (Voltage, power, frequency etc) match those of the intended electrical supply.

Model	Maximum power absorbed (W)	Average speed (r.p.m.)	Capacitor ( $\mu\text{F/V}$ )	Maximum current 230/1/150 (A)	Airflow ( $\text{m}^3/\text{h}$ )	Sound level* at 1,5 m (dB(A))	Working temperature ( $^{\circ}\text{C}$ )	Weight (kg)
<b>SINGLE INLET, 2 POLES</b>								
CBM/2-133/046-90 W	90	2600	2/400	0,46	260	61	-15/+70	1,8
CBM/2-133/062-100 W	100	2600	2/400	0,41	300	58	-15/+40	1,9
CBM/2-140/059-100 W	100	2000	2/400	0,43	380	51	-15/+40	2,6
CBM/2-140/059-150 W	150	2550	5/400	0,65	510	62,5	-15/+70	3,4
CBM/2-160/062-260 W	260	2650	6/400	1,18	625	65	-15/+40	4
<b>SINGLE INLET, 4 POLES</b>								
CBM/4-160/062-70 W	70	1400	2/400	0,31	420	57,5	-15/+60	3
CBM/4-180/075-120 W	120	1390	3/400	0,52	650	61,5	-15/+55	3,5
CBM/4-180/092-160 W	160	1380	6/400	0,84	1100	59,5	-15/+40	6,5
<b>DOUBLE INLET, 2 POLES</b>								
CBM/2-133/190-185 W	180	2450	5/400	0,79	700	60	-15/+45	3,5
CBM/2-146/180-220 W	220	2400	5/400	1,01	880	63	-15/+35	4,1
<b>DOUBLE INLET, 4 POLES</b>								
CBM/4-133/190-70 W	70	1350	2/400	0,31	630	50,5	-15/+65	2,8
CBM/4-160/150-125 W	125	1200	3/400	0,57	790	76	-15/+65	3,7
CBM/4-180/184-150 W	150	1350	5/400	1,09	1300	57	-15/+60	5
<b>DOUBLE INLET, 6 POLES</b>								
CBM/6-180/184-95 W	95	900	2/400	0,43	980	51	-15/+40	5

\*Sound Pressure levels in dB(A), measured in free field conditions, at 1,5 m.



## ■ Dimensions (mm)

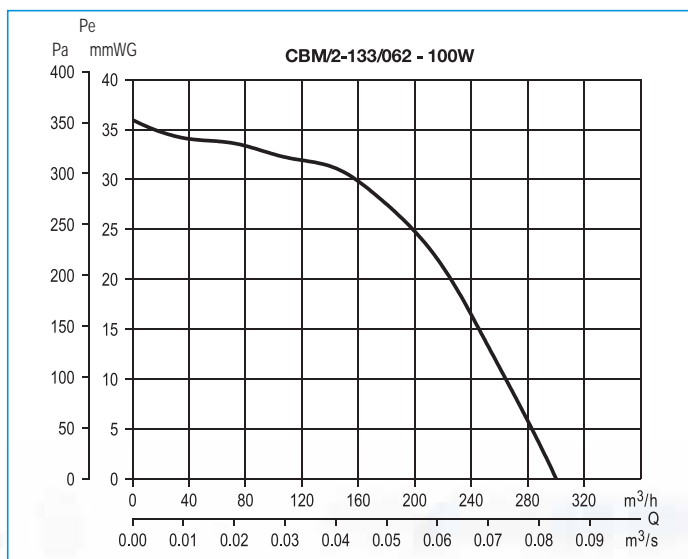
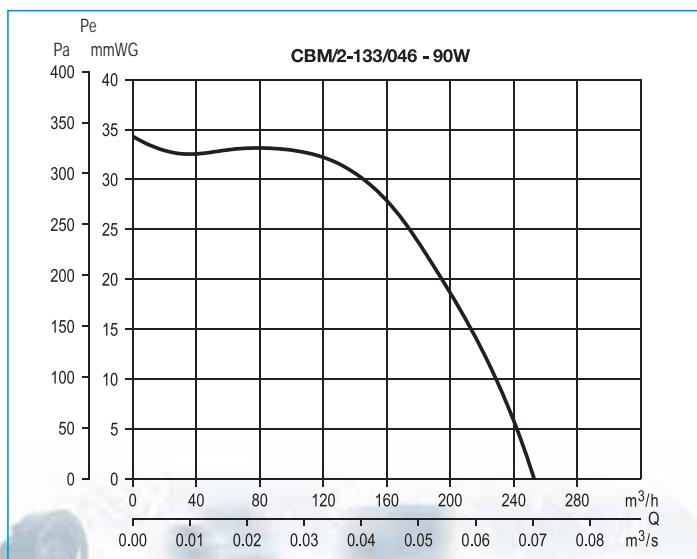


Model	Sketch	A	B	C	D	E	F	G	H
CBM/2-133/046	TYPE 1	61	80	181	175	88	69	100	49
CBM/2-133/062	TYPE 1	78	99	181	175	88	69	100	49
CBM/2-140/059	TYPE 2	98	-	244	224	103	94	100	49
CBM/2-160/062	TYPE 2	98	-	244	224	103	94	100	49
CBM/4-180/075	TYPE 2	110	-	260	265	145	122	100	49
CBM/4-180/092	TYPE 2	133	-	332	296	133	136	100	49
CBM/2-133/190	TYPE 3	215	-	183	178	90	70	-	30*
CBM/2-146/180	TYPE 3	224	-	217	203	95	102	-	30*
CBM/4-133/190	TYPE 3	224	-	205	200	102	100	-	30*
CBM/4-160/150	TYPE 3	176	-	240	224	114	105	-	30*
CBM/4-180/184	TYPE 3	224	-	262	270	143	123	-	30*
CBM/6-180/184	TYPE 3	224	-	262	270	143	123	-	30*

\* Terminal box and capacitor mounted on the side.

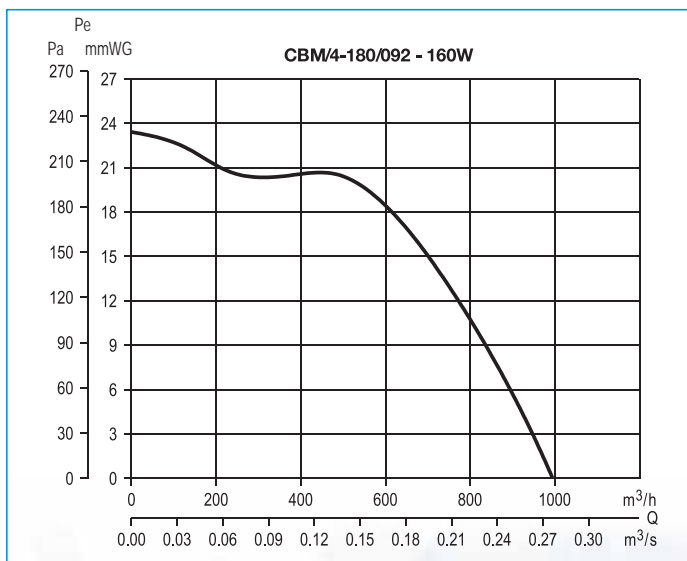
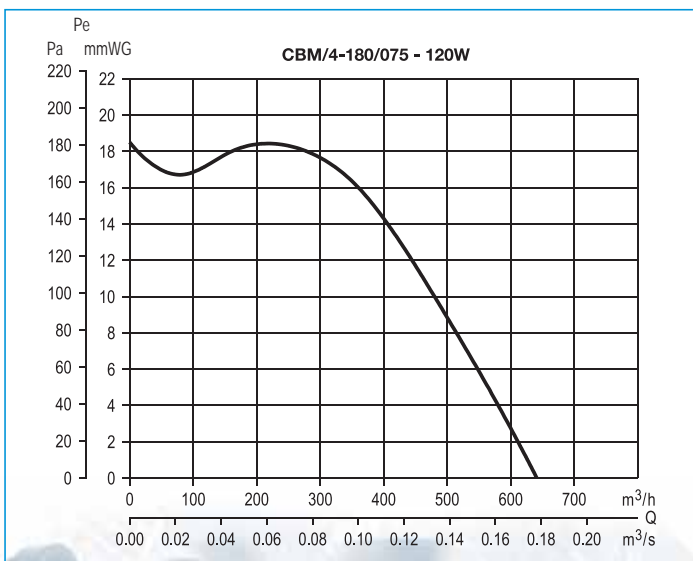
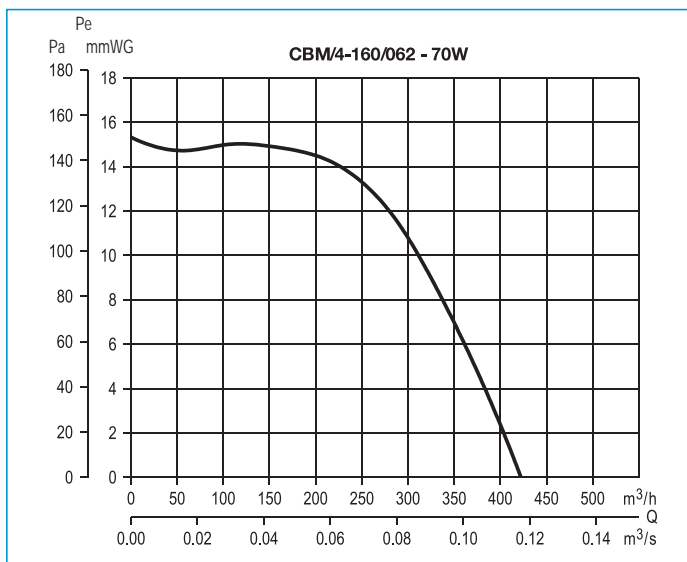
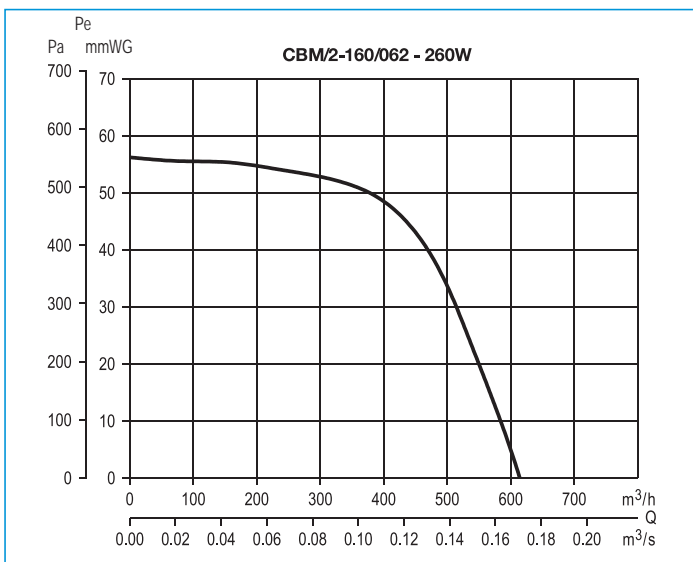
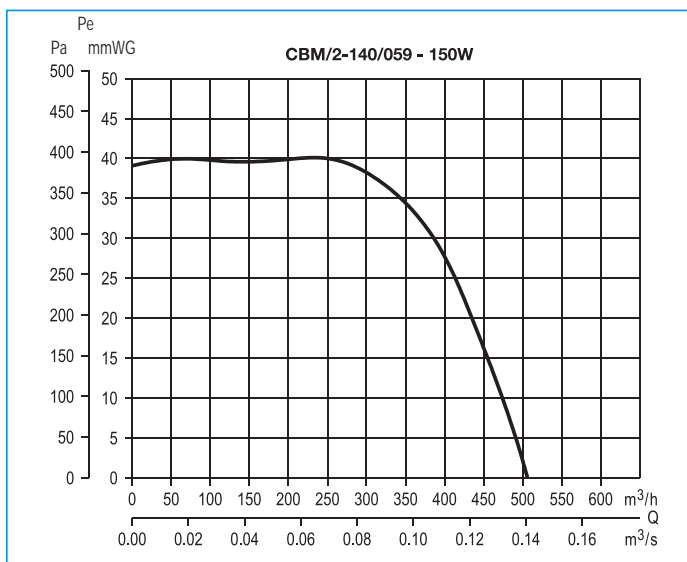
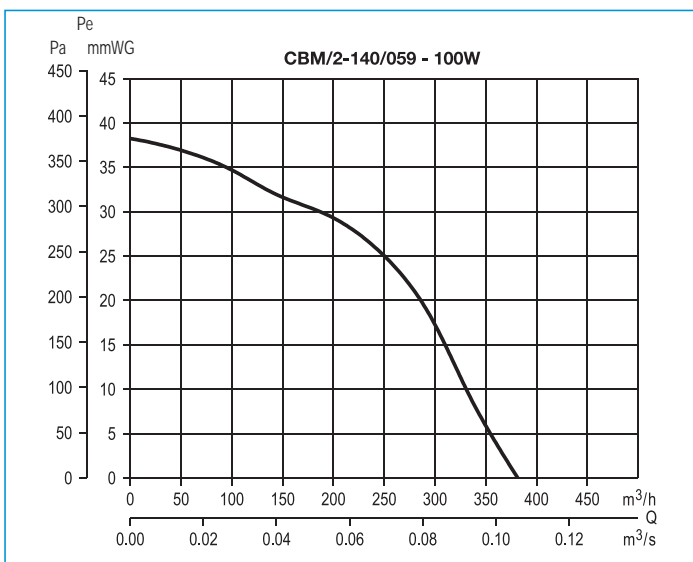
## ■ Performance curves

- Q = Air volume in, m<sup>3</sup>/hr and m<sup>3</sup>/s.
- Pe = Static pressure in mmWG and Pa.
- Dry air at 20°C and 760 mmHg.
- Air flow data in accordance with the following standards: UNE 100-212-89, BS 848.



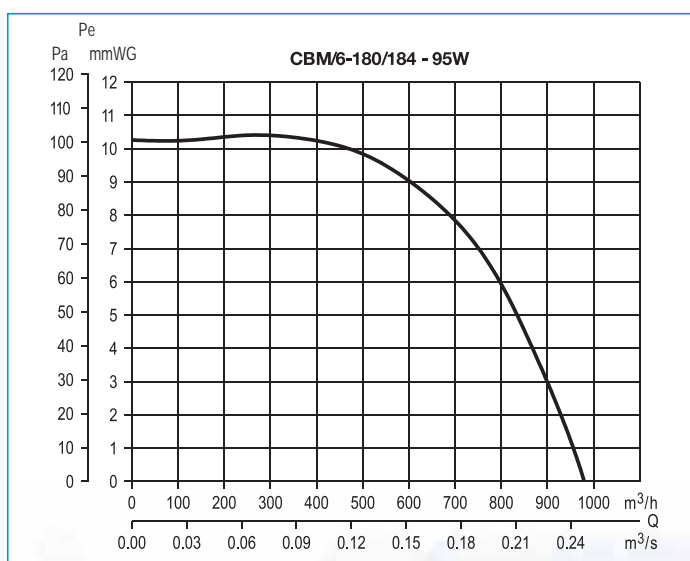
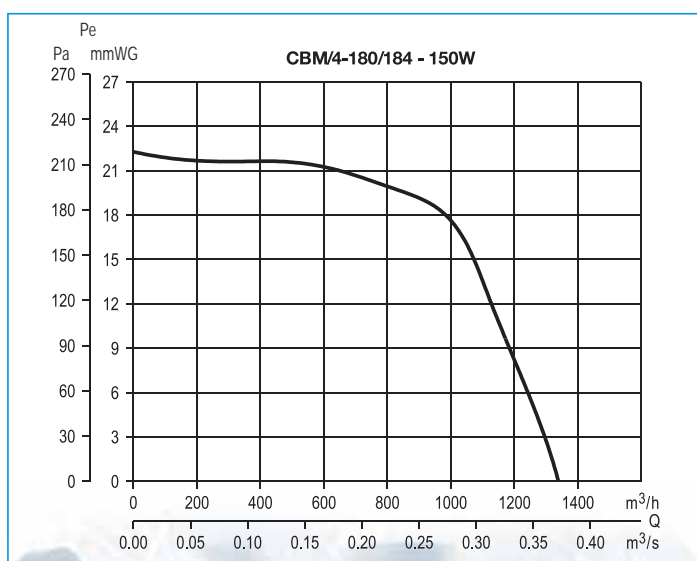
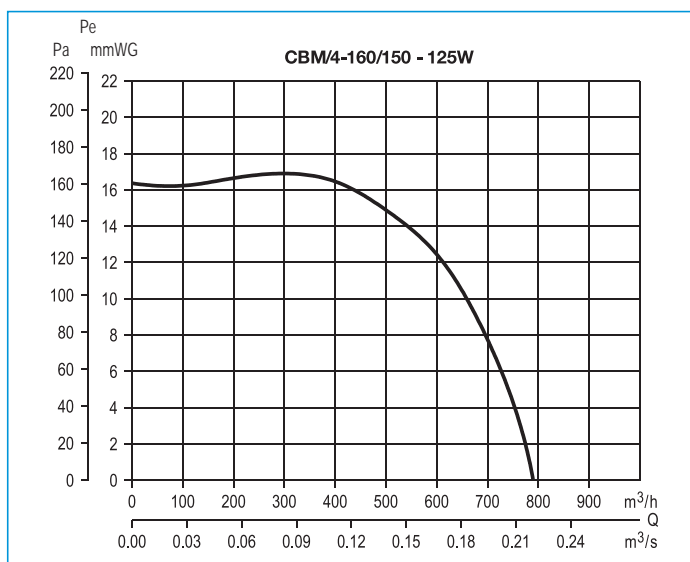
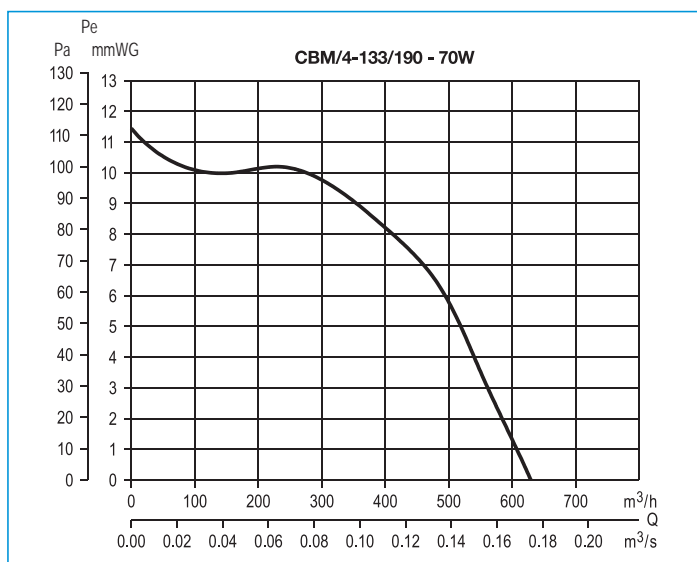
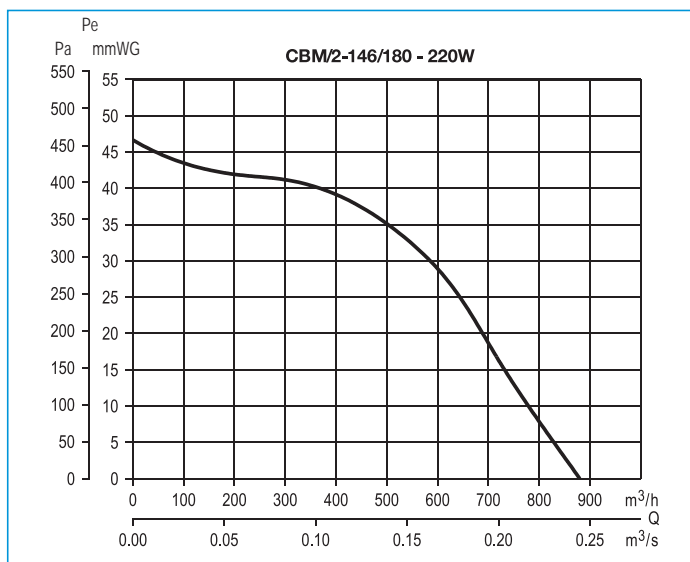
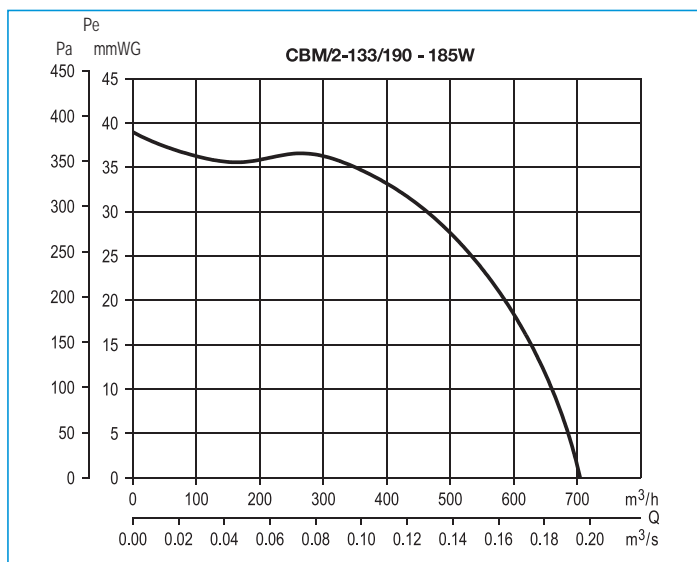
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