

## BVCR-M



DOUBLE INLET, BELT DRIVEN (WIT MOTOR AND TRANSMISION)

### MANUFACTURING FEATURES:

- Casing made of galvanized steel.
- Turbine blade multi-blade forward curved double ear galvanized sheet
- transmission shaft with anti-rust treatment.
- Supplied with motor, belts and pulleys
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Shaft protruding on both sides to allow mounting of pulleys and belts
- Cubic assembly with side panels that reinforce the whole fan.
- Fan with reinforced structure and bearings supported on rigid bridge structure

### APPLICATIONS:

Designed for assembly in equipment:

- Ventilation boxes and air handling units.
- Centrifugal heaters.
- Industrial and professional kitchen hoods.
- Maximum working temperature: 60°C.

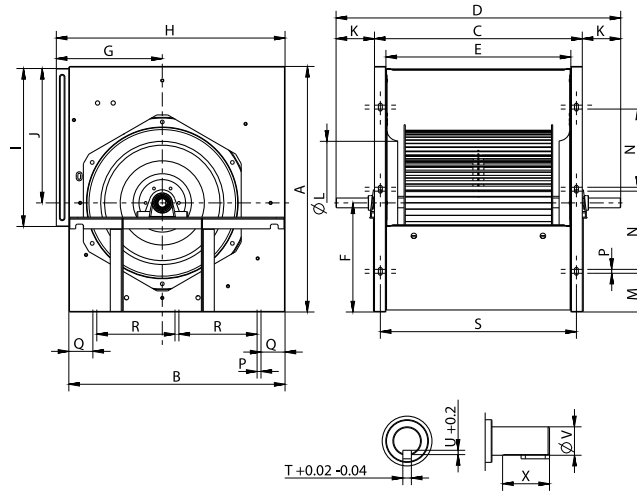
## Technical data

Code	Model	Max. Airflow m <sup>3</sup> /h	Weight
-	BVCR-M 15/15	15.150	34
-	BVCR-M 18/18	24.390	46
-	BVCR-M 20/20	25.070	84
-	BVCR-M 22/22	30.300	94
-	BVCR-M 25/25	46.790	113
-	BVCR-M 30/28	62.670	145

**Notes:**

\* The motor is not included in fan weight

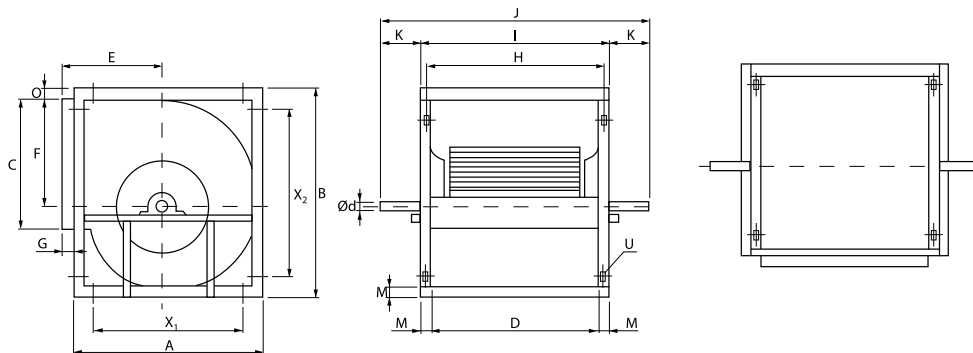
### Dimensions



Model	A	B	C	D	E	F	G	H	I
BVCR-M 15/15	628	553	533	630	473	285	271	585	404
BVCR-M 18/18	748	653	616	728	556	335	311	685	483

Model	J	K	L	M	N	P	Q	R	S
BVCR-M 15/15	343	98	321	99	200	10	60	200	503
BVCR-M 18/18	413	73	397	109	250	10	60	250	586

Model	T	U	V	X
BVCR-M 15/15	8	4	25	52
BVCR-M 18/18	8	4	25	52



Model	A	B	C	D	E	F	G	H	I
BVCR-M 20/20	795	935	604	602	372	523	44	642	682

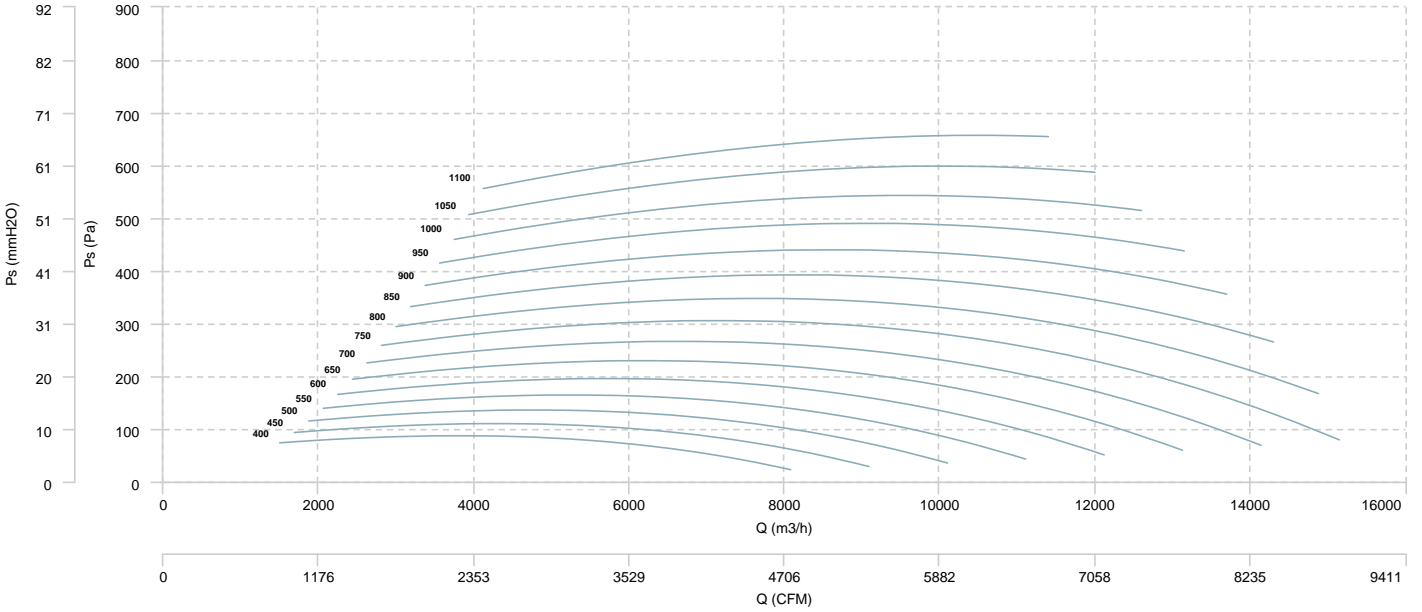
Model	A	B	C	D	E	F	G	H	I
BVCR-M 22/22	863	1019	692	655	399	571	44	695	735
BVCR-M 25/25	953	1142	793	765	426	640	44	805	845
BVCR-M 30/28	1159	1374	933	890	516	778	44	930	970

Model	J	K	M	O	U	X1	X2	Ød
BVCR-M 20/20	872	95	40	6	Ø12	595	735	35
BVCR-M 22/22	925	95	40	6	Ø12	663	819	35
BVCR-M 25/25	1035	95	40	6	Ø12	753	942	35
BVCR-M 30/28	1230	130	40	6	Ø12	959	1174	40

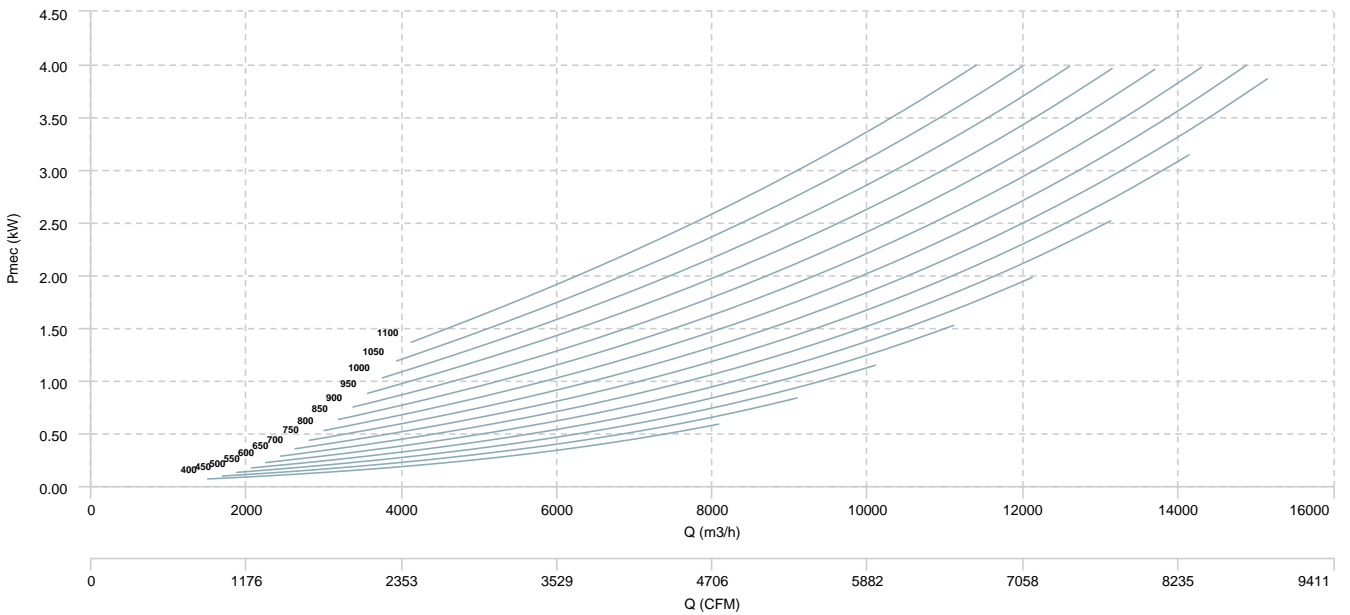
# CHARACTERISTIC CURVE

BVCR-M 15/15

## AIR FLOW - PRESSURE

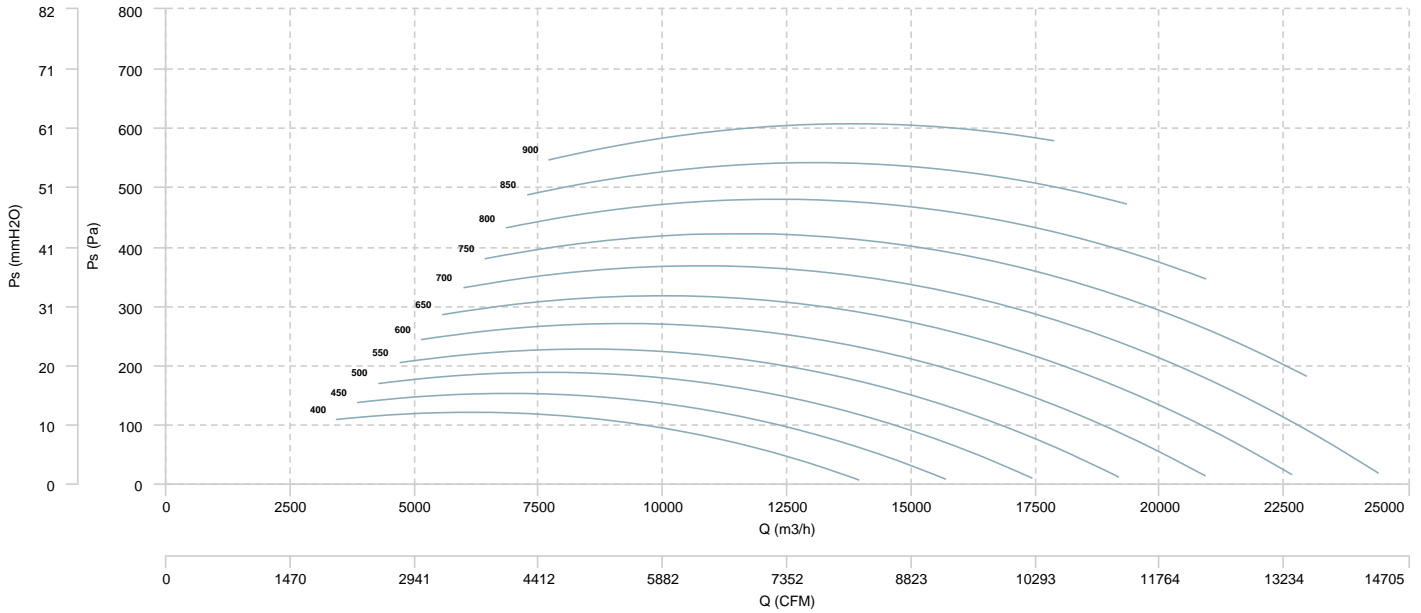


## AIR FLOW - MECHANICAL POWER

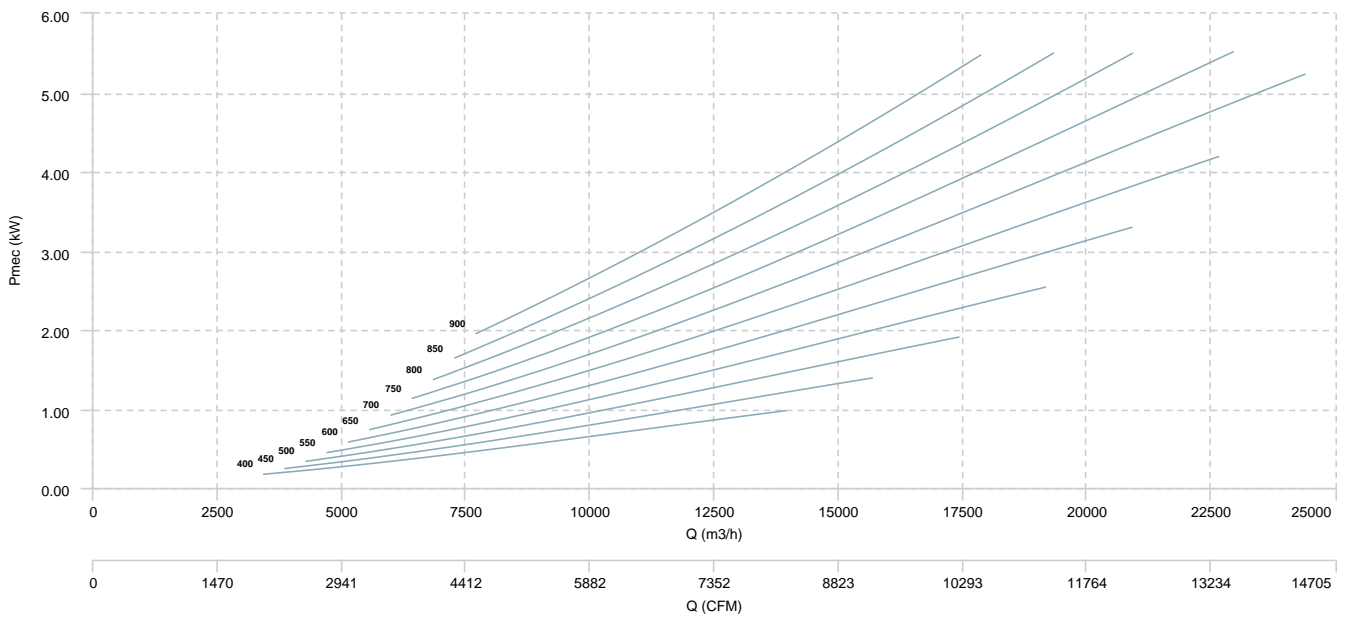


BVCR-M 18/18

## AIR FLOW - PRESSURE

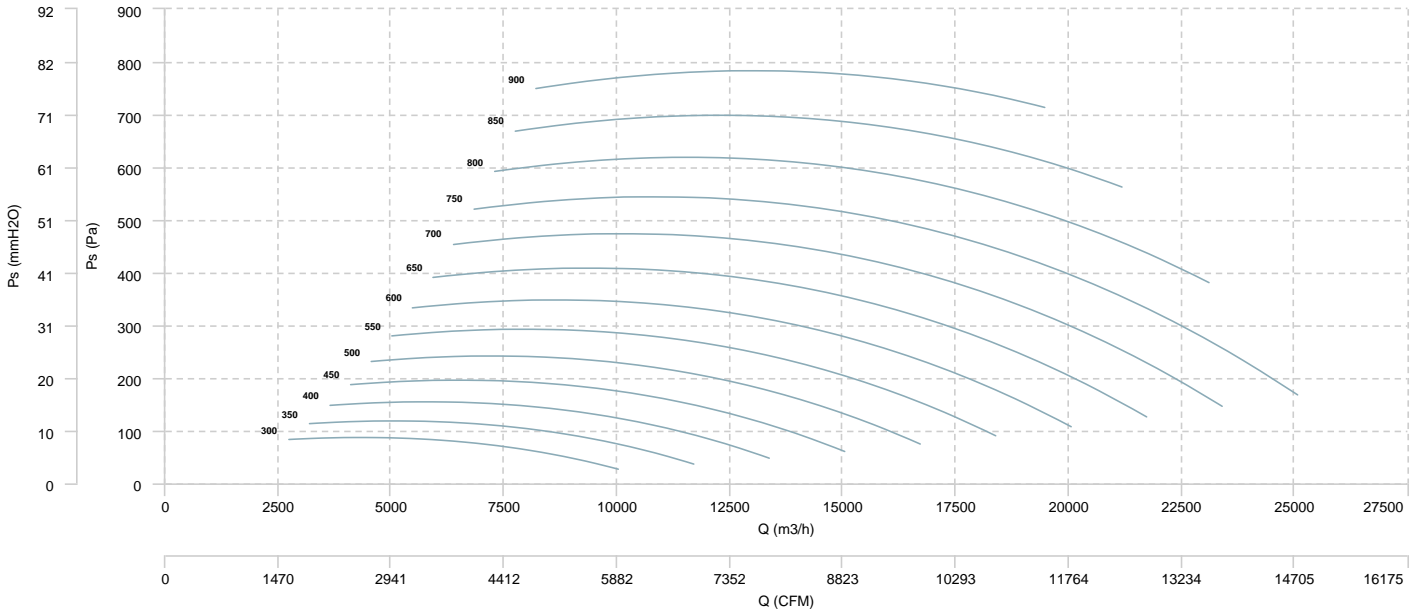


## AIR FLOW - MECHANICAL POWER

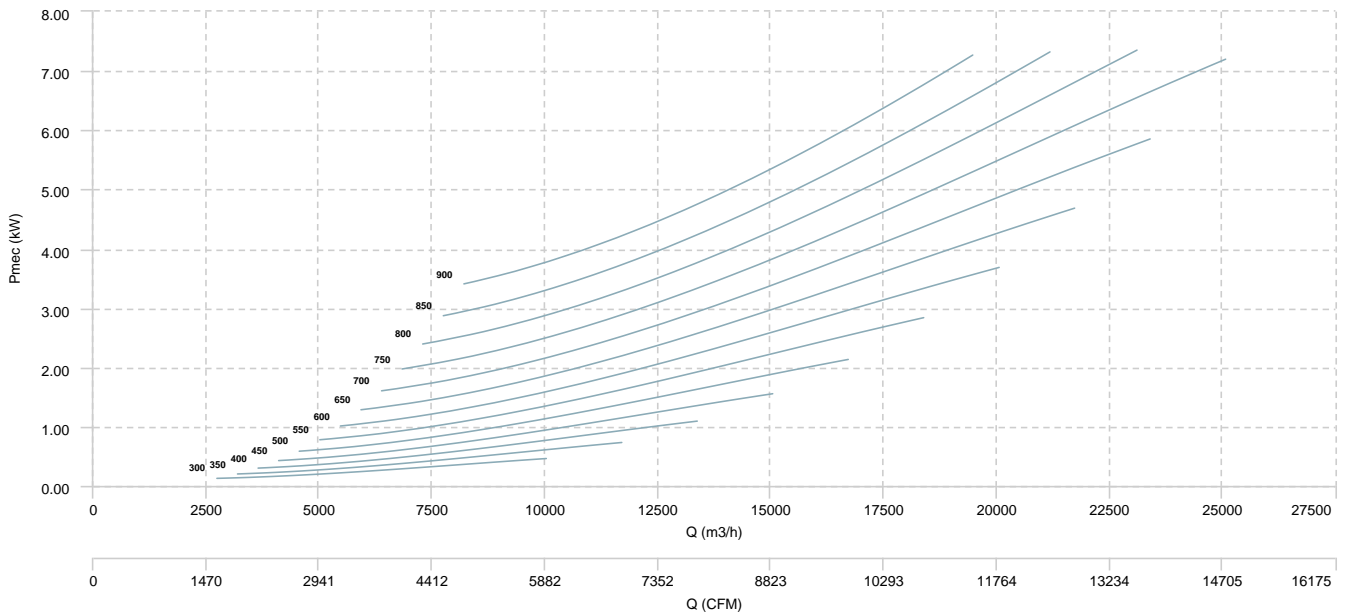


BVCR-M 20/20

## AIR FLOW - PRESSURE

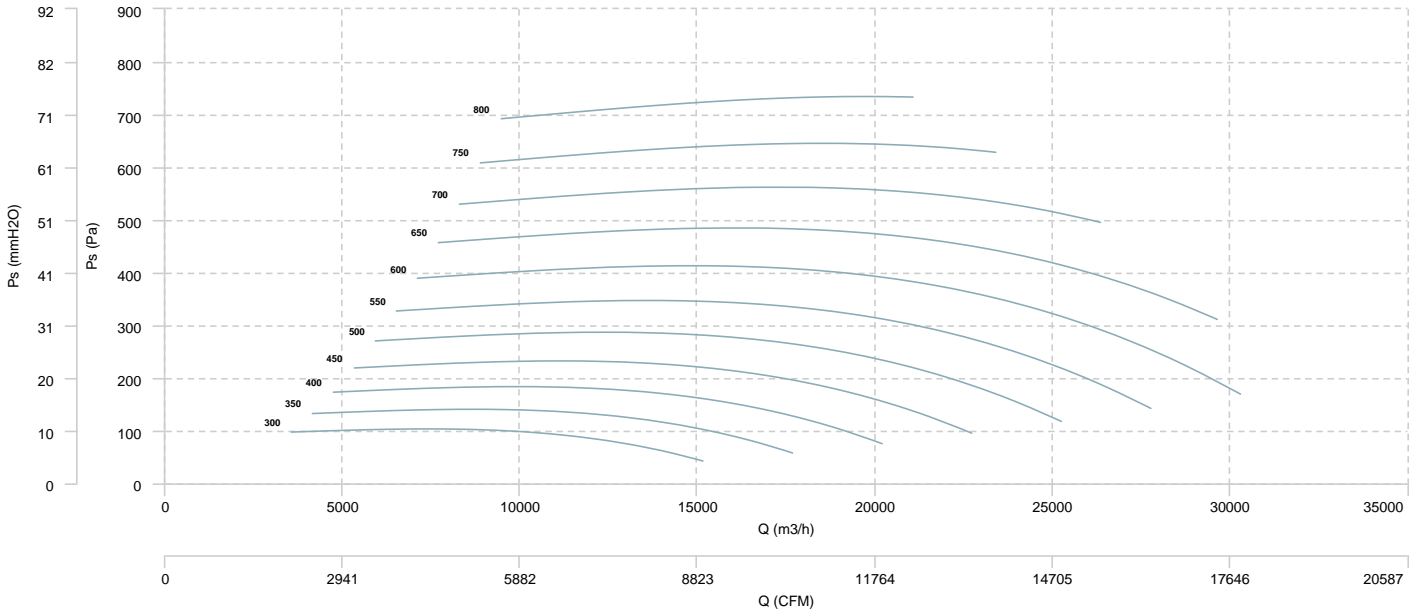


## AIR FLOW - MECHANICAL POWER

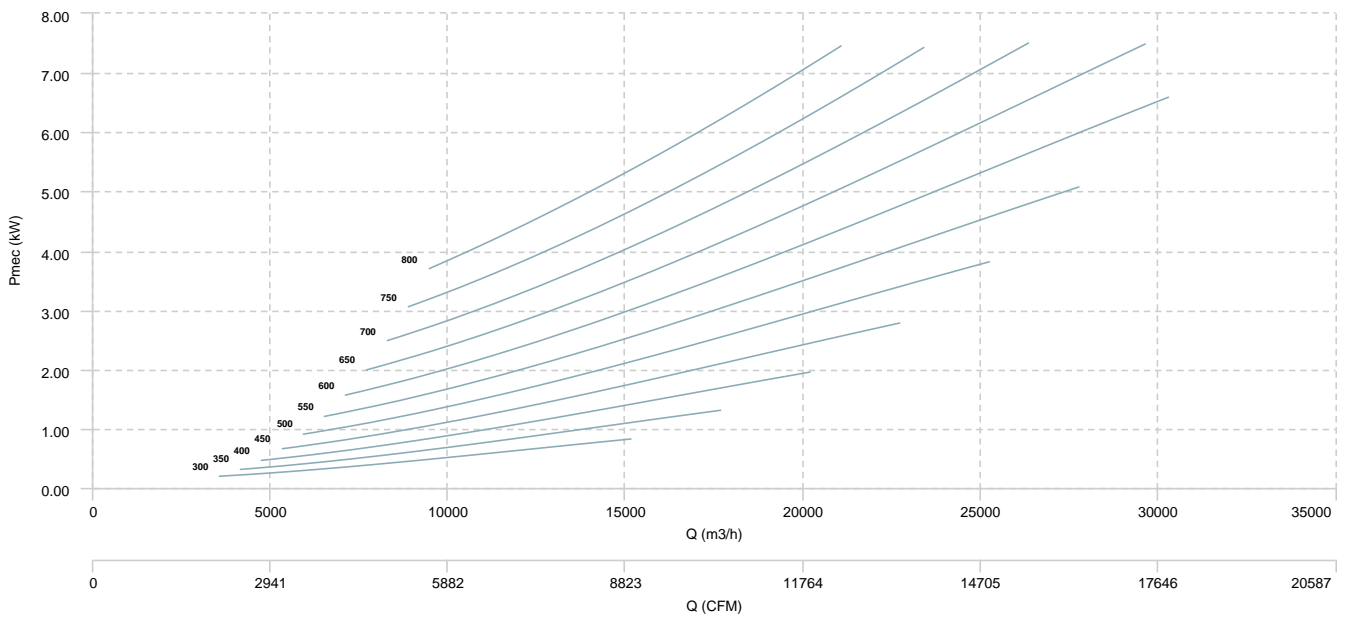


BVCR-M 22/22

## AIR FLOW - PRESSURE



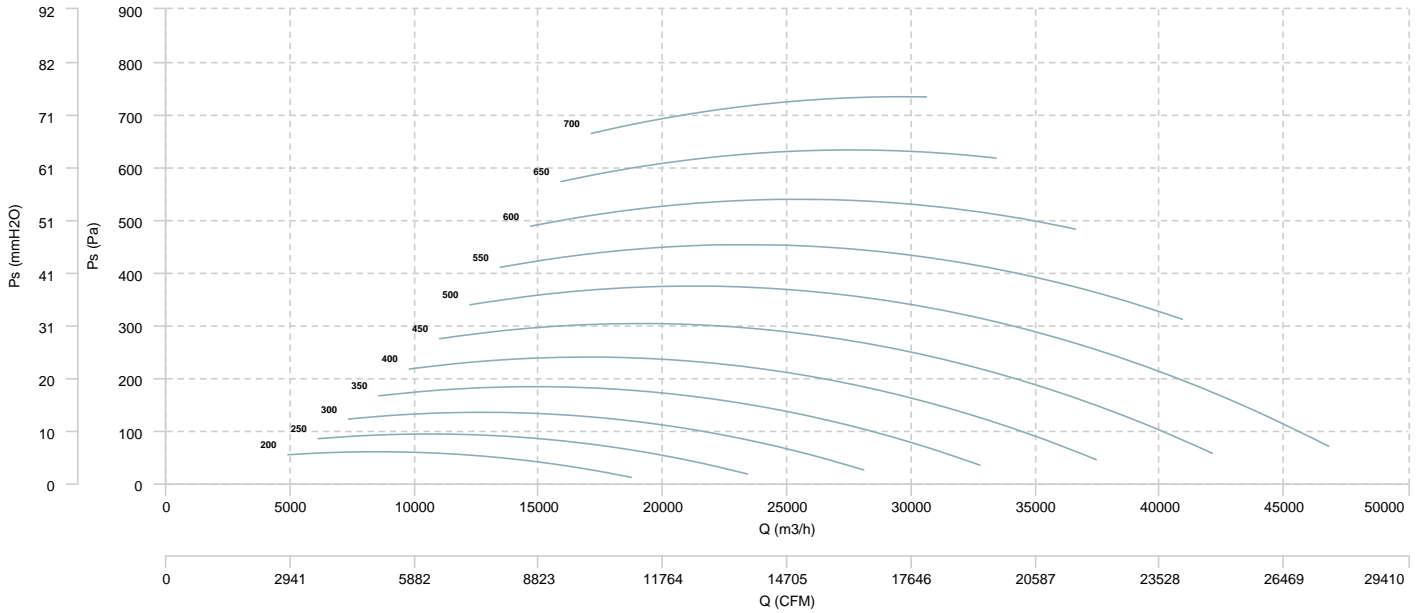
## AIR FLOW - MECHANICAL POWER



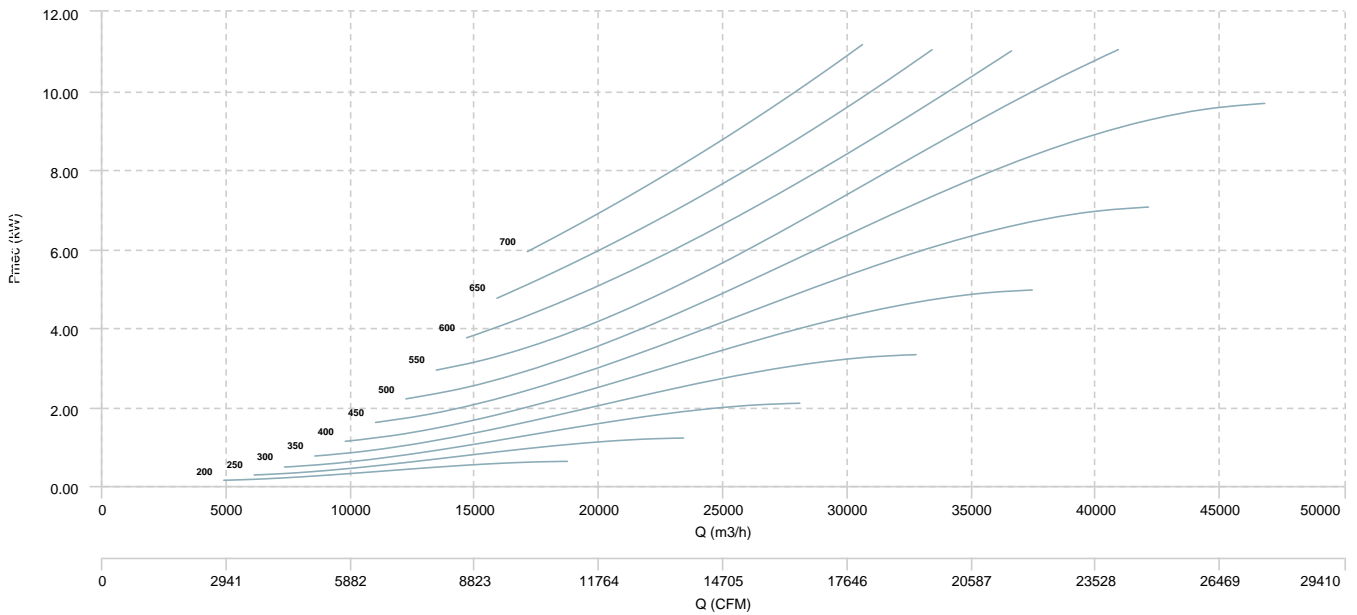


BVCR-M 25/25

## AIR FLOW - PRESSURE

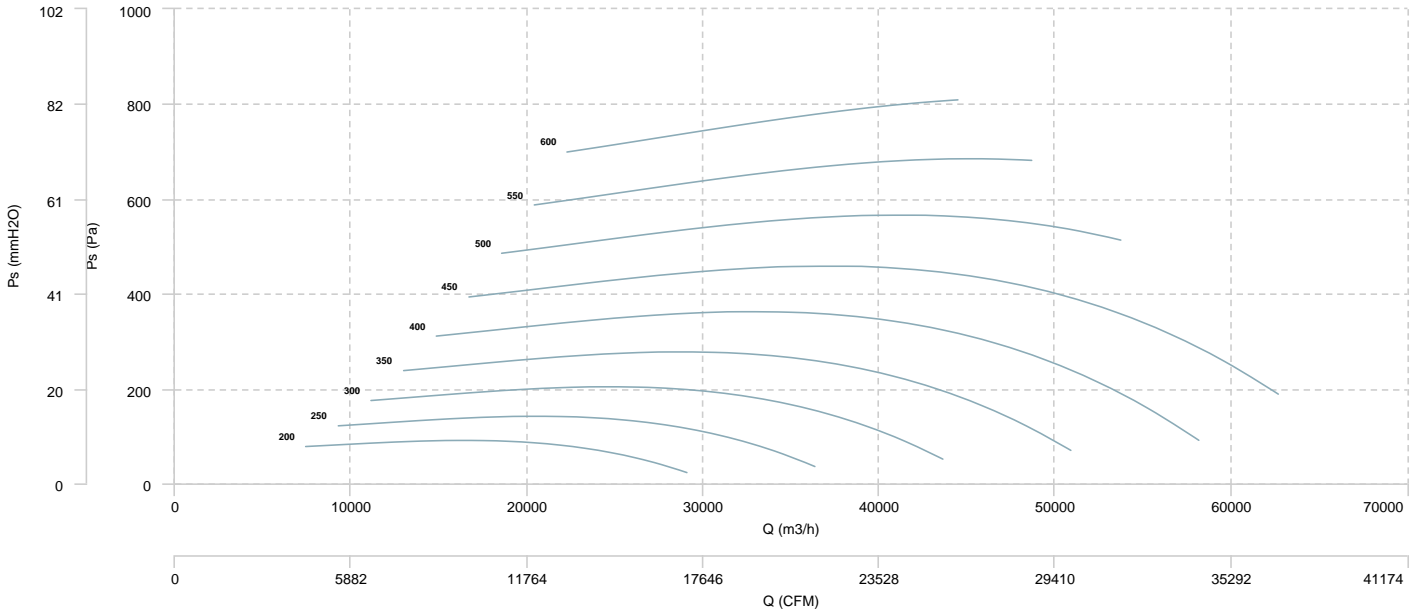


## AIR FLOW - MECHANICAL POWER

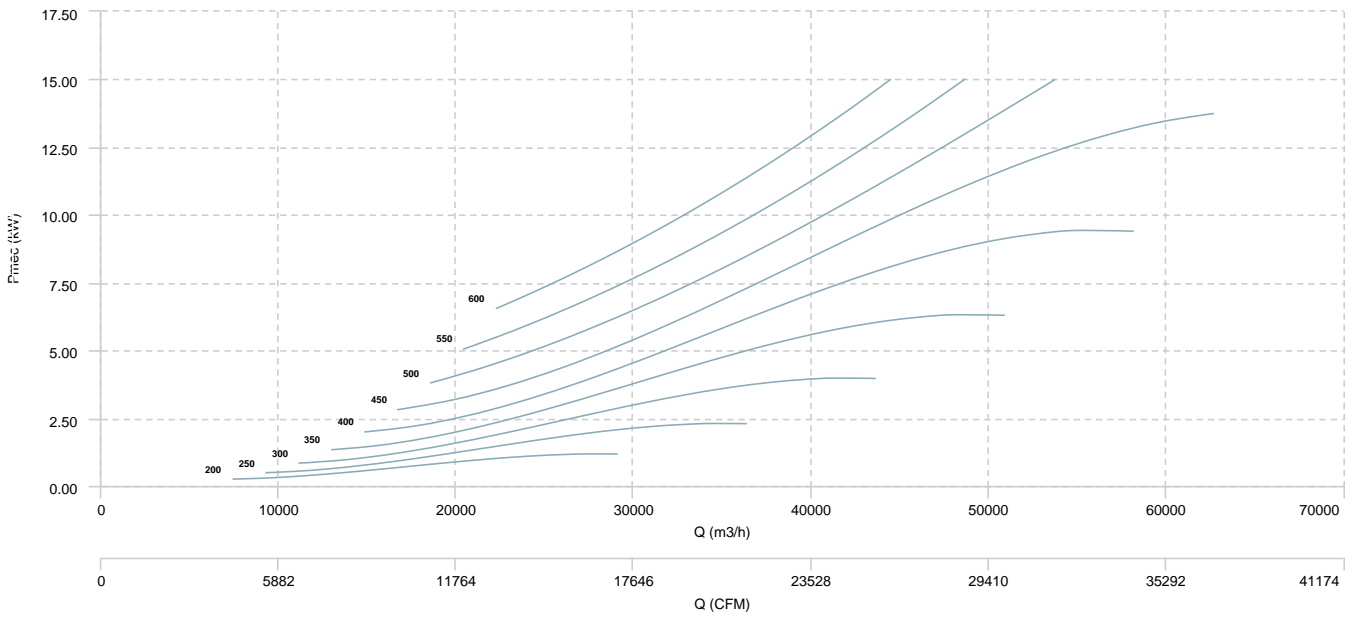


BVCR-M 30/28

## AIR FLOW - PRESSURE



## AIR FLOW - MECHANICAL POWER



## Sound data

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BVCR-M 15/15 (400 RPM)	Inlet	50	60	60	66	70	69	65	59	74
BVCR-M 18/18 (400 RPM)	Inlet	53	60	63	71	72	70	67	58	77
BVCR-M 20/20 (300 RPM)	Inlet	49	56	59	67	68	66	63	54	73
BVCR-M 22/22 (300 RPM)	Inlet	53	60	63	71	71	70	66	57	76
BVCR-M 25/25 (200 RPM)	Inlet	46	52	56	64	64	63	59	50	69
BVCR-M 30/28 (200 RPM)	Inlet	49	56	59	67	67	66	62	53	72

**Notes:**

\* To calculate the sound power level at different rpm from those indicated above, use the following formula:

$$Lw\ dB(A)_{rpmA} = Lw\ dB(A)_{rpmB} + 52.5 \cdot \log_{10} \frac{rpmA}{rpmB}$$