BV

DOUBLE INLET, FREE SHAFT WITH NO MOTOR

MANUFACTURING FEATURES:

• Casing made ??of galvanized steel.
• Turbine blade multi-blade forward curved double inlet.
• The fan supplied with foot brackets included in the price except for sizes 15-15 and 18-18.
• transmission shaft with anti-rust treatment.
• The fan is supplied free shaft.
• Shaft protruding on both sides to allow mounting of pulleys and belts
• Turbine polyamide reinforced with fiberglass for sizes 7-7, 9-9, 10/10 and 12/12; other models in galvanized sheet. Fan with ball bearings permanently greased mounted rubber ring to prevent vibration

Accessories

INT

JE-45

MBI

RI

S

TM

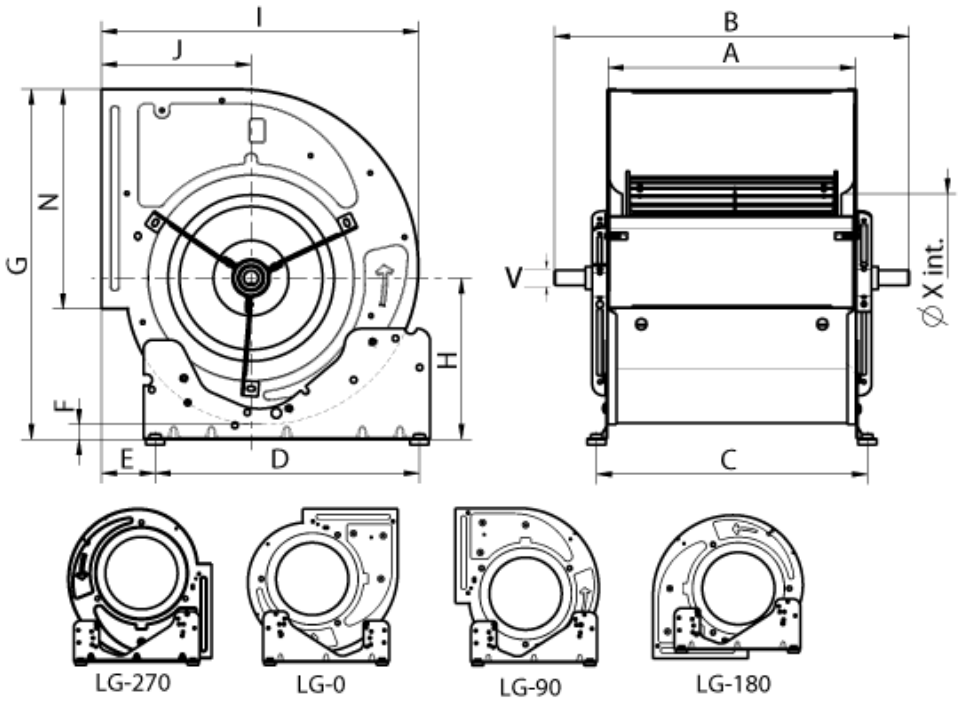
APPLICATIONS:
Designed for assembly in equipment:
• Ventilation boxes and air handling units.
• Centrifugal heaters.
• Industrial and professional kitchen hoods.
• Maximum working temperature: 60ºC.

UNDER REQUEST:
• Metal Turbine.
• Frame mounted .

Technical data

Code	Model	Max. Airflow m3/h	Weight
252090165	BV 7/7	3.590	6
252190165	BV 9/7	4.840	8
252180165	BV 9/9	5.720	9
252220165	BV 10/8	6.000	11
252210165	BV 10/10	7.450	12
252310160	BV 12/9	9.120	17
252300160	BV 12/12	10.500	20
252370160	BV 15/15	14.880	31
252450160	BV 18/18	24.400	42

Dimensions



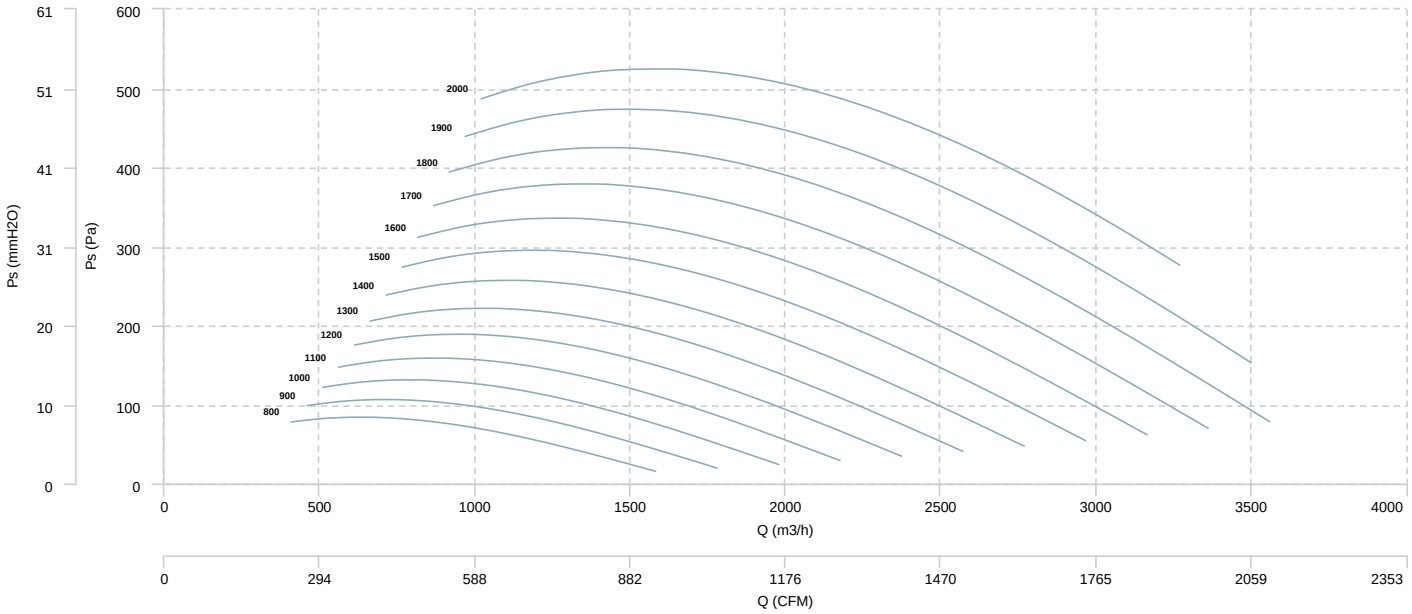
Model	A	B	C	D	E	F	G	H	I
BV 7/7	230	370	259	245	48,5	9,5	337	150	313
BV 9/7	233	370	262	245	70	19	407	191	376
BV 9/9	301	440	330	245	70	19	407	191	376
BV 10/8	265	440	294	350	70,5	20	464	214	420
BV 10/10	329	470	359	350	70,5	20	464	214	420
BV 12/9	310	460	339	350	77	17	536	244	490
BV 12/12	396	546	425	350	77	17	536	244	490
BV 15/15	473	630	499	485	69	8	625	281	580
BV 18/18	556	728	582	485	92	12	749	336	680

Model	J	N	ØV	ØX
BV 7/7	153	208	20	158
BV 9/7	184	260	20	202
BV 9/9	184	260	20	202
BV 10/8	198	291	20	220
BV 10/10	198	291	20	220
BV 12/9	230	343,5	25	260
BV 12/12	230	343,5	25	260
BV 15/15	271	404	25	315
BV 18/18	311	483	25	396

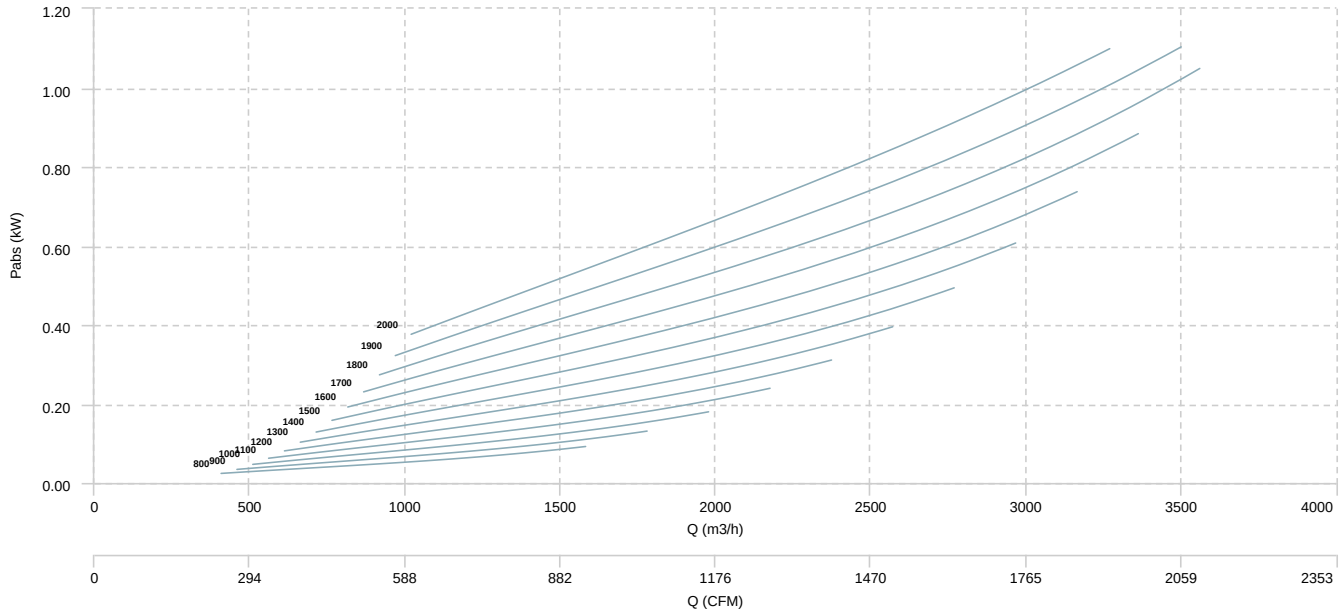
CHARACTERISCTIC CURVE

BV 7/7

AIR FLOW - PRESSURE

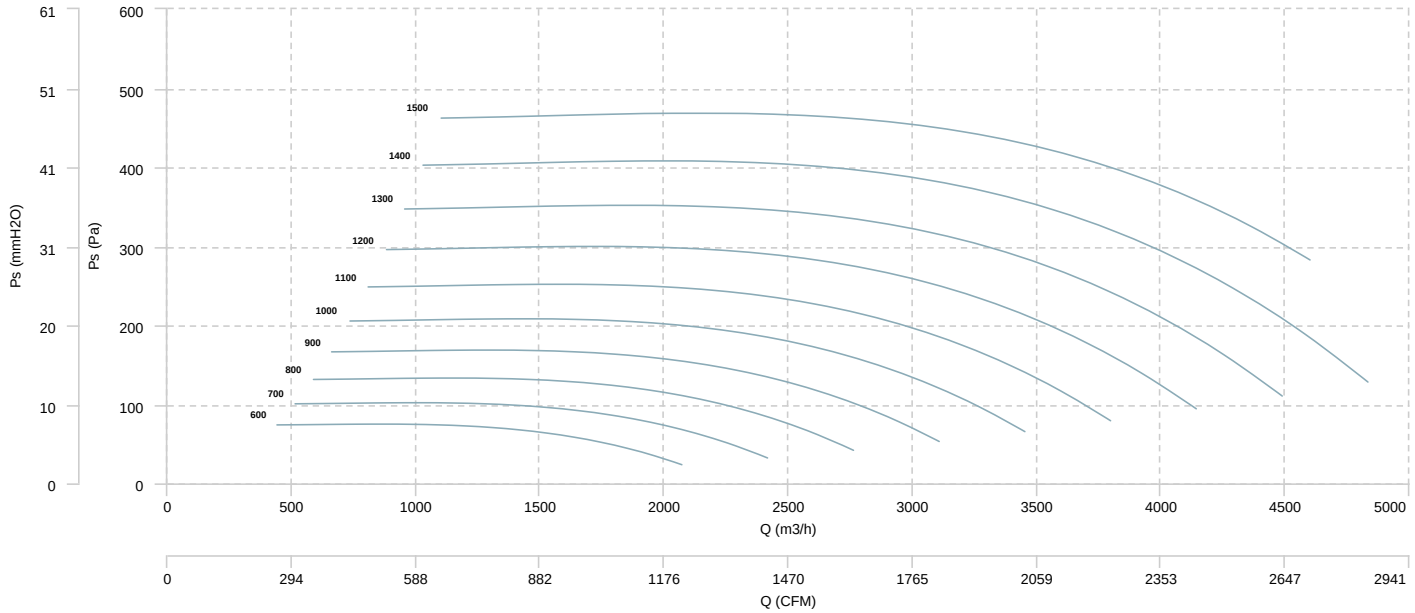


AIR FLOW - MECHANICAL POWER

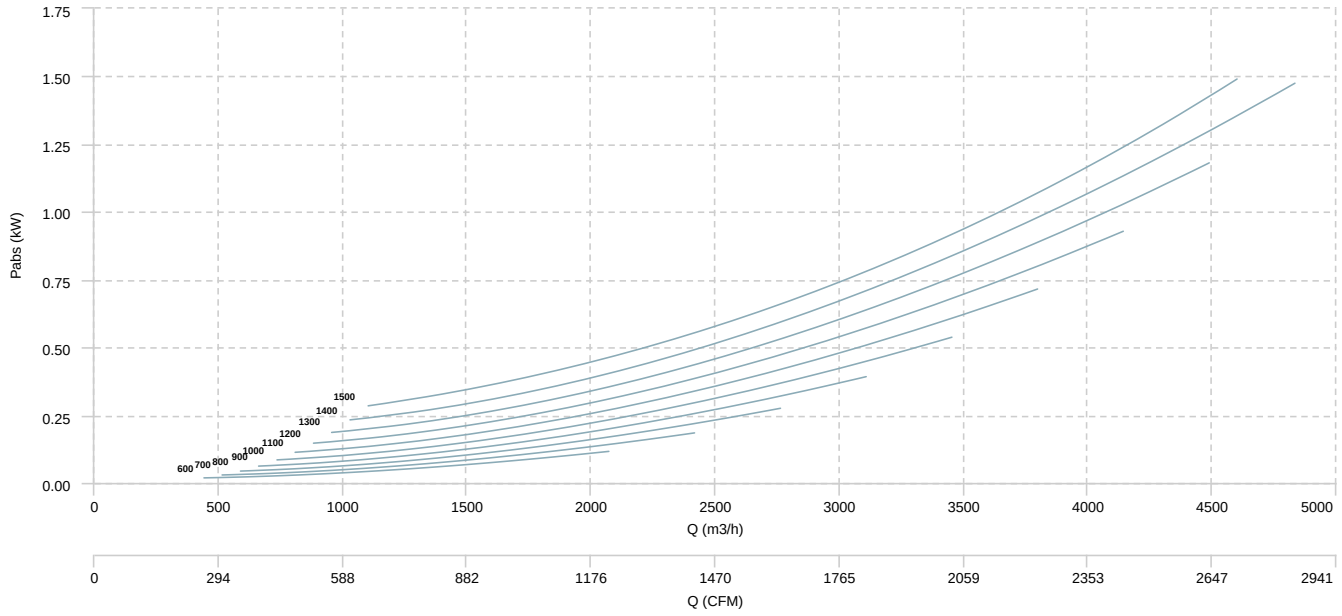


BV 9/7

AIR FLOW - PRESSURE

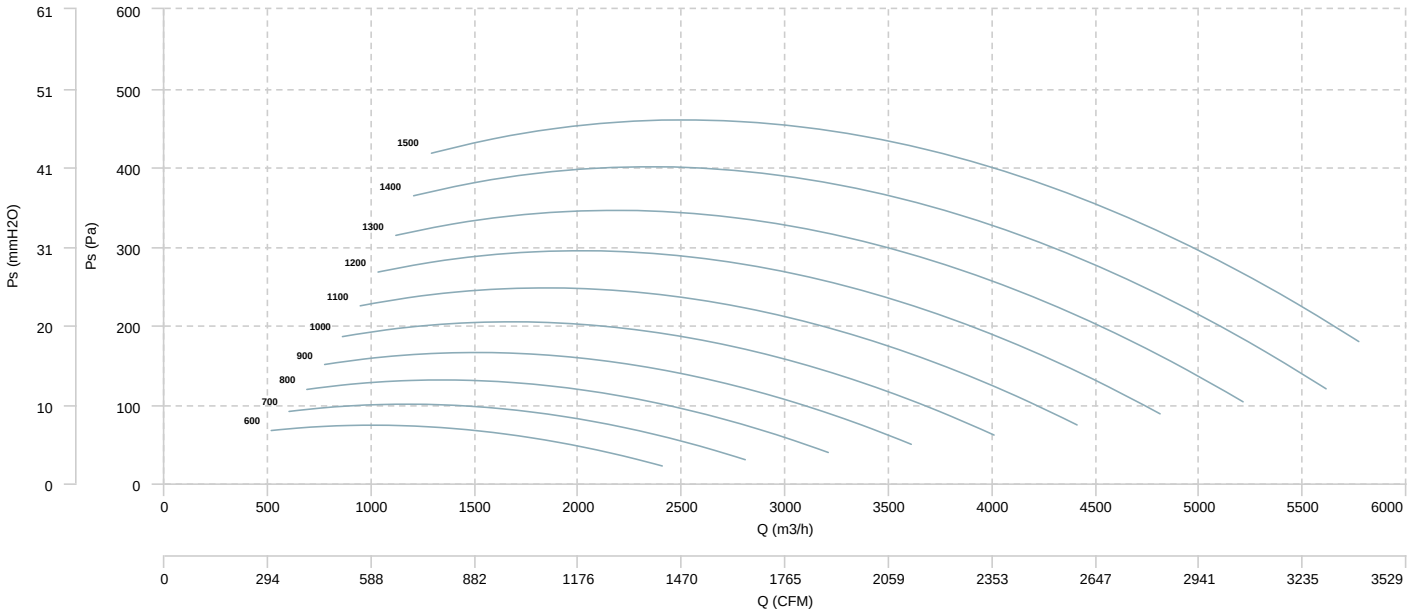


AIR FLOW - MECHANICAL POWER

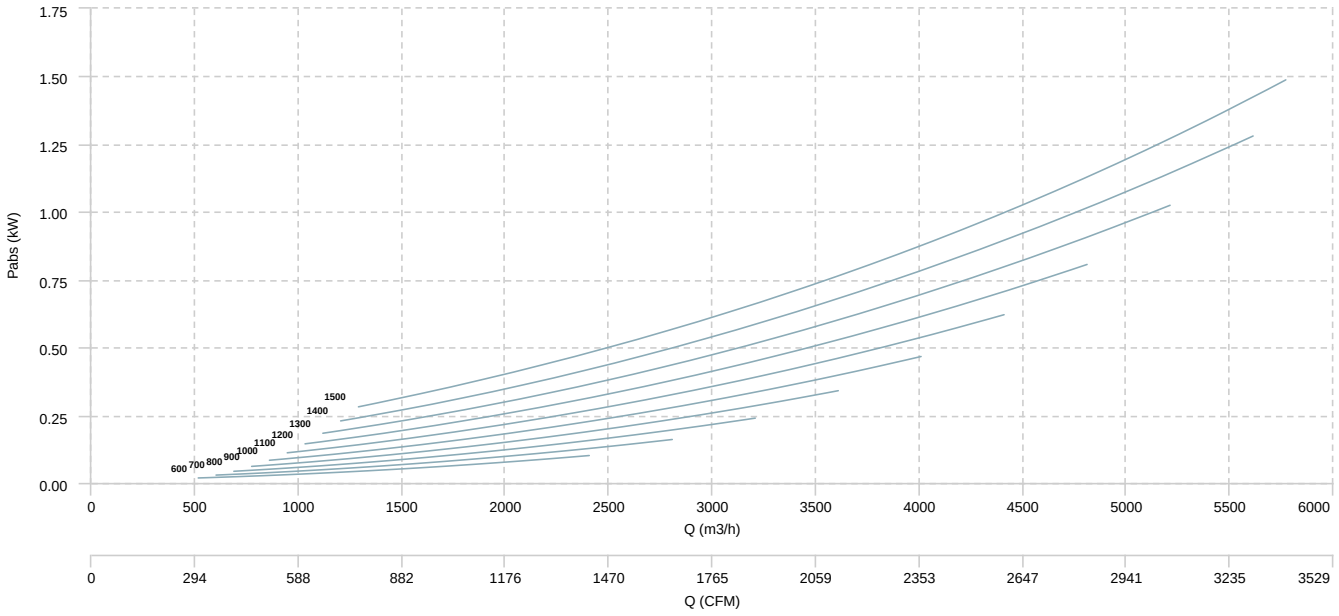


BV 9/9

AIR FLOW - PRESSURE

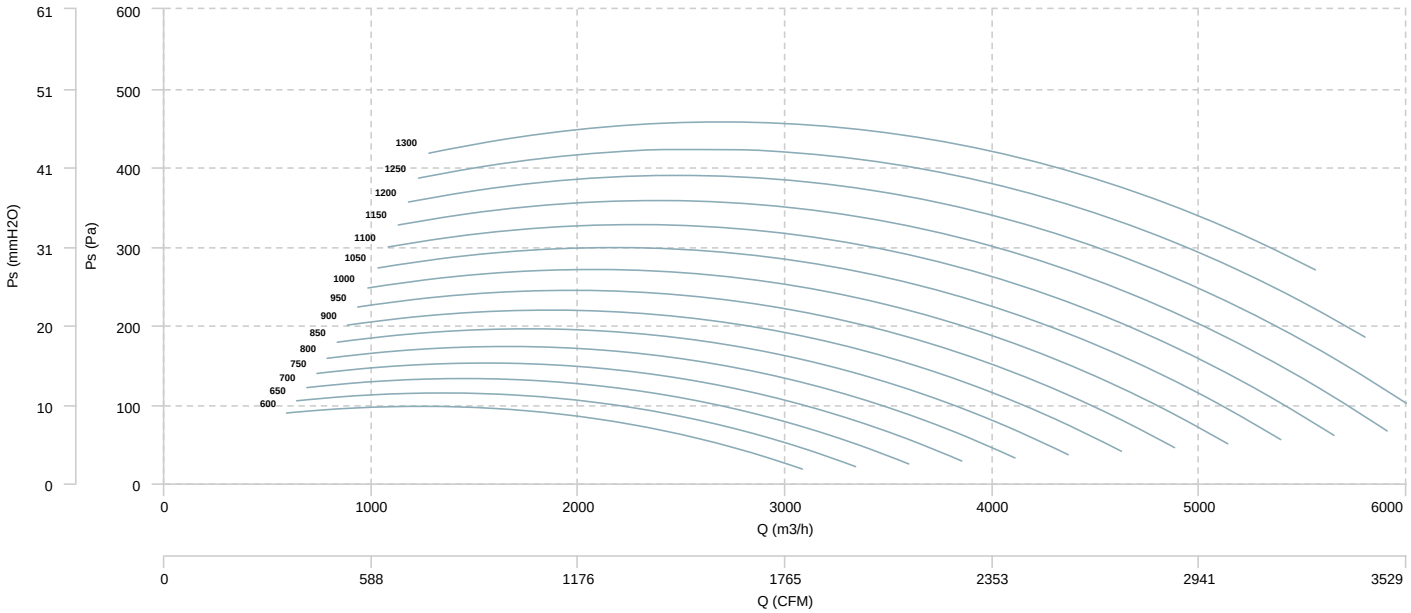


AIR FLOW - MECHANICAL POWER

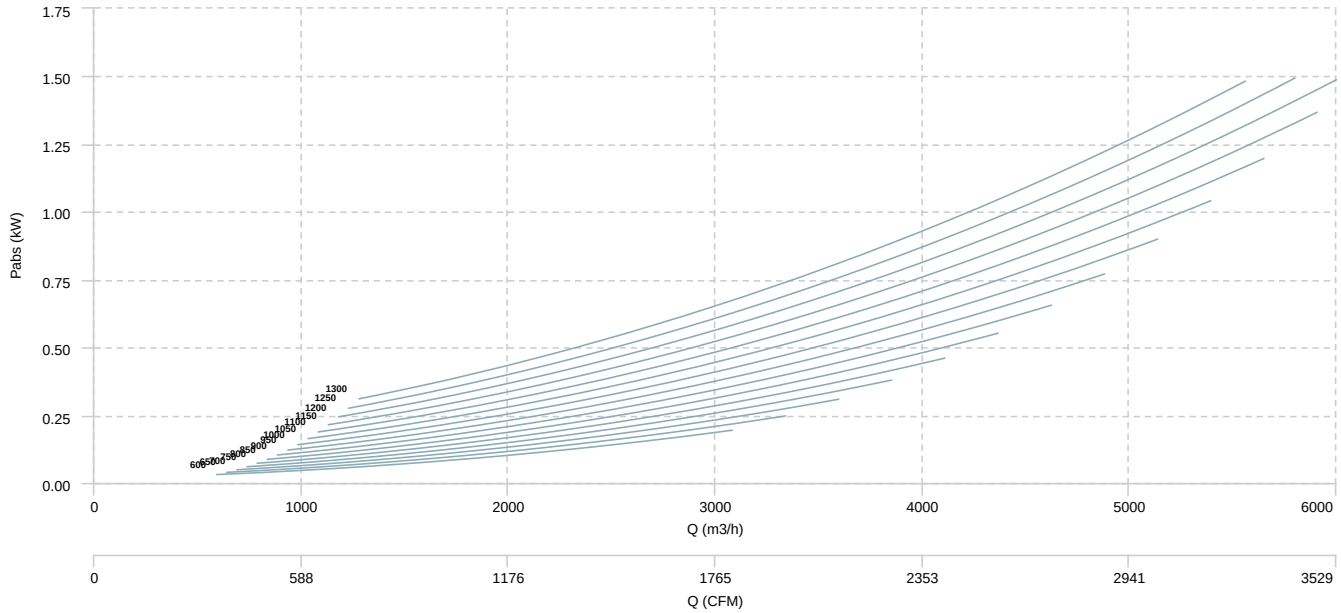


BV 10/8

AIR FLOW - PRESSURE

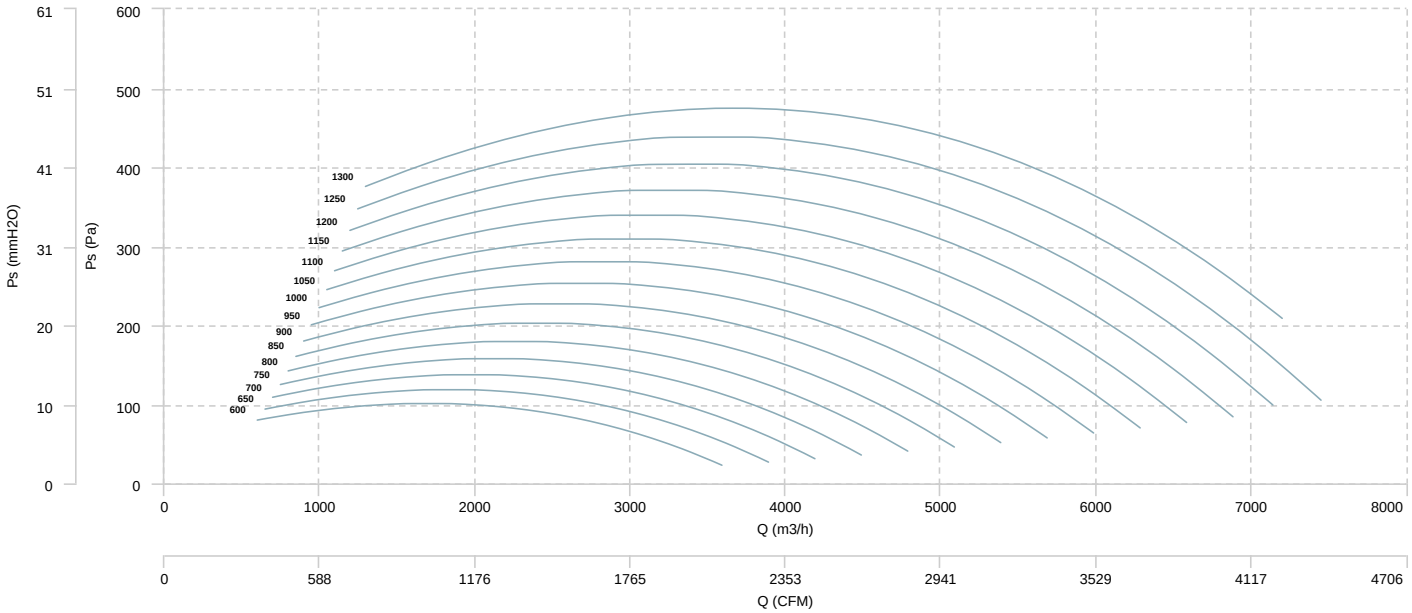


AIR FLOW - MECHANICAL POWER

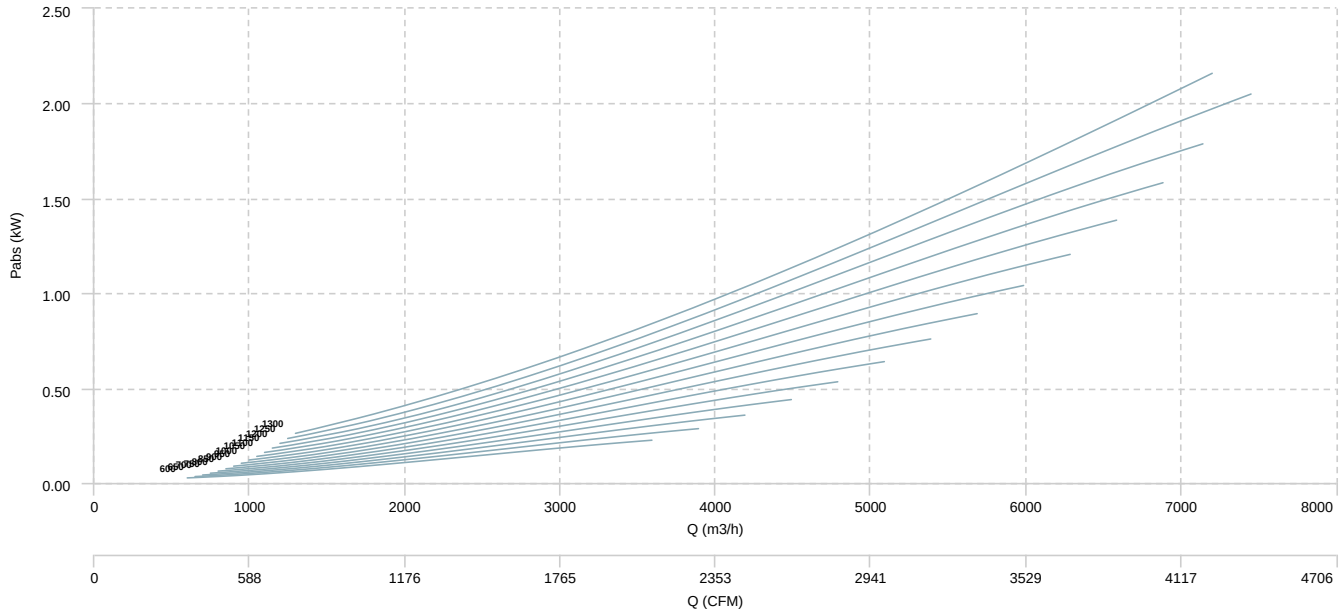


BV 10/10

AIR FLOW - PRESSURE

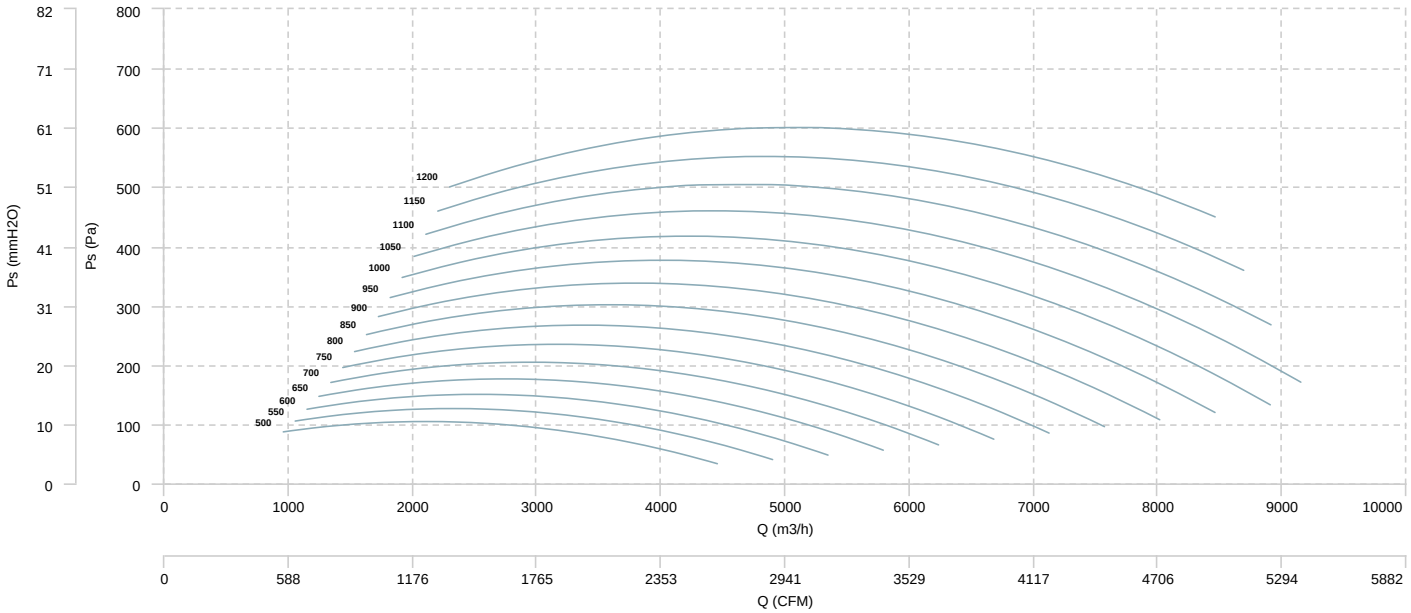


AIR FLOW - MECHANICAL POWER

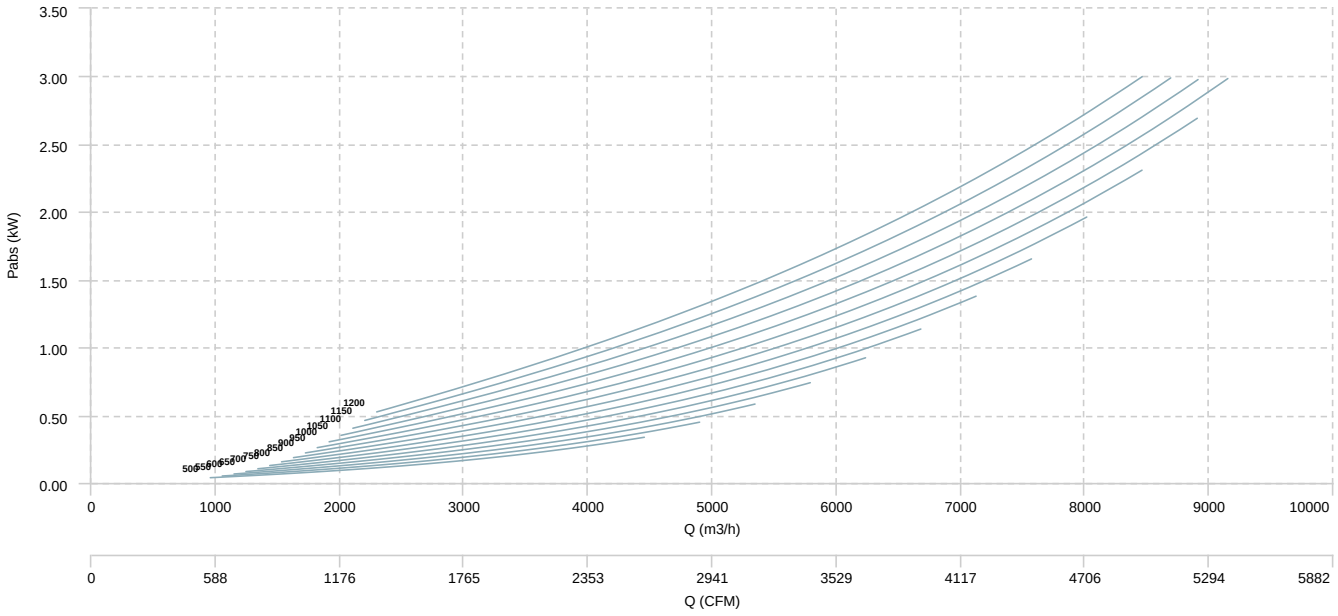


BV 12/9

AIR FLOW - PRESSURE

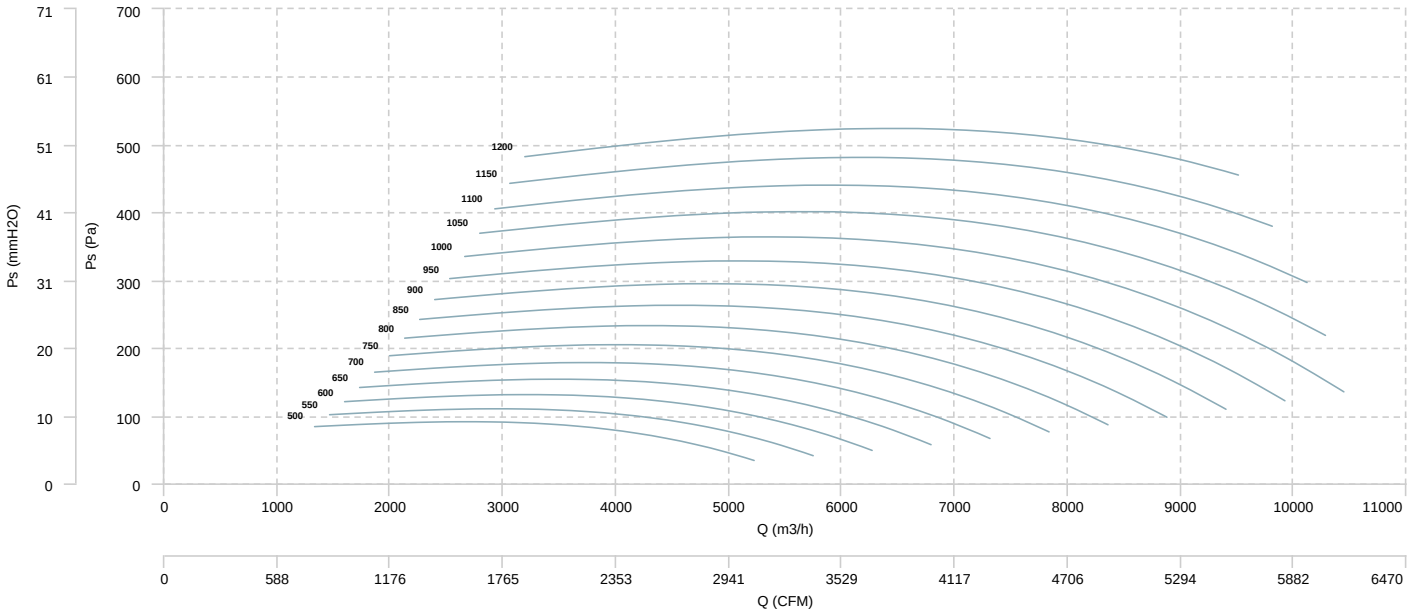


AIR FLOW - MECHANICAL POWER

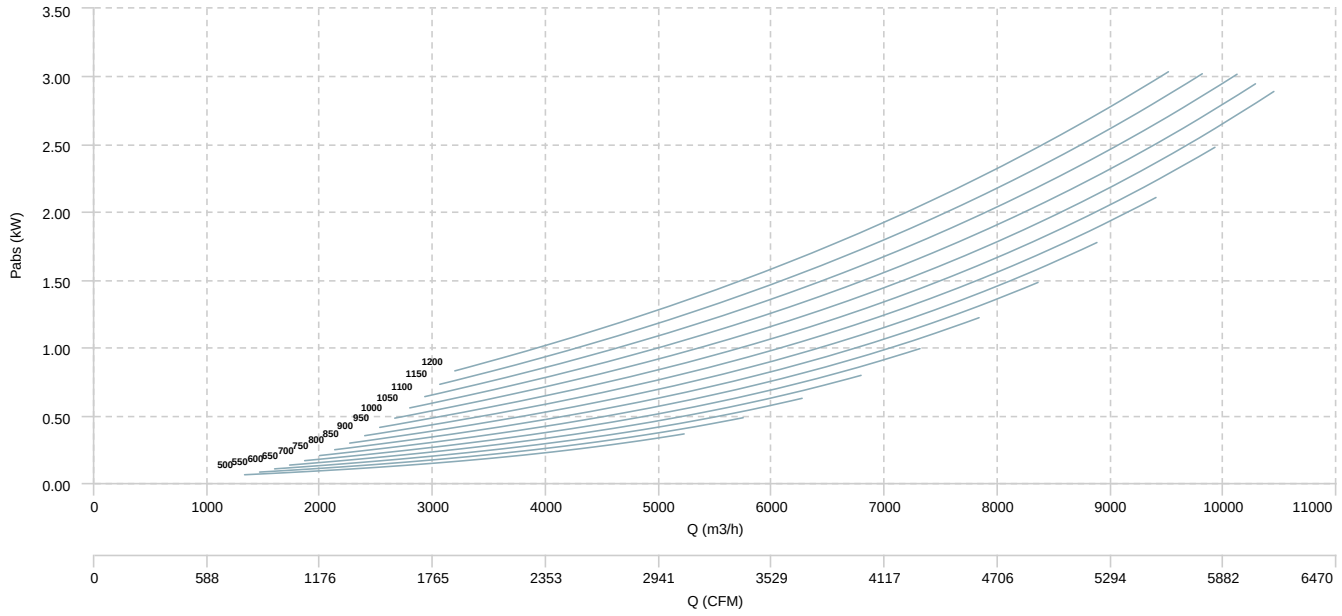


BV 12/12

AIR FLOW - PRESSURE

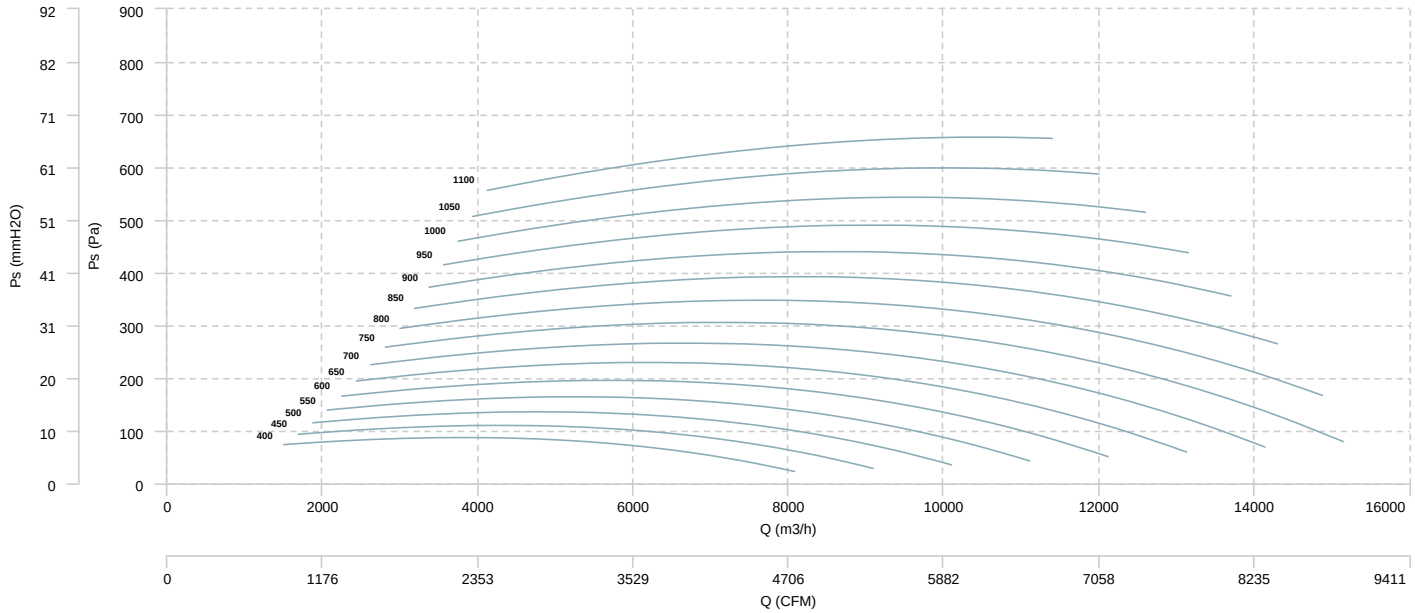


AIR FLOW - MECHANICAL POWER

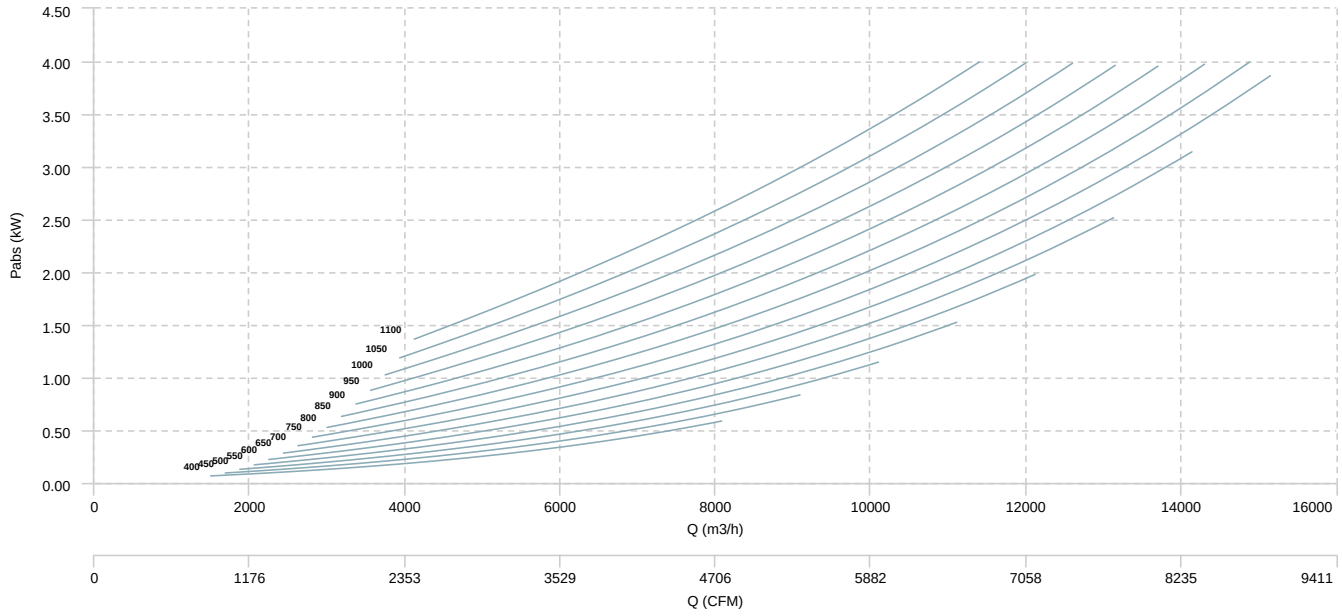


BV 15/15

AIR FLOW - PRESSURE

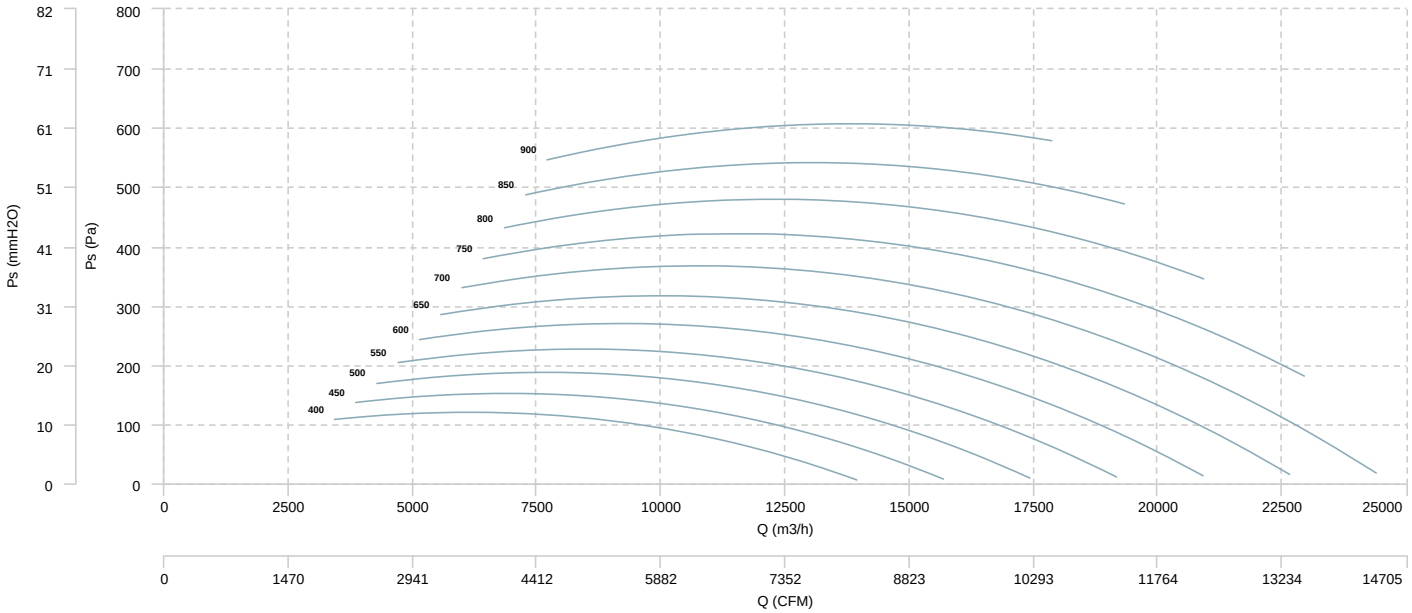


AIR FLOW - MECHANICAL POWER

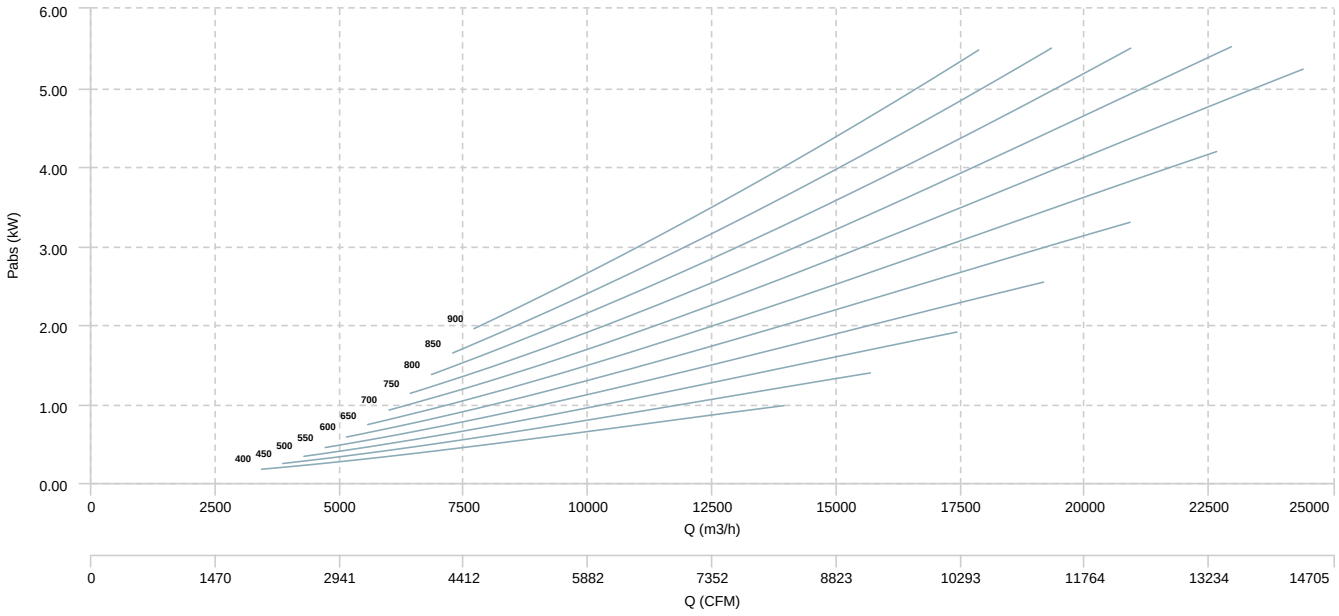


BV 18/18

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**
BV 7/7 (800 RPM)	Inlet	47	50	58	60	65	63	60	50	69
BV 9/7 (600 RPM)	Inlet	38	46	56	57	62	61	59	53	67
BV 9/9 (600 RPM)	Inlet	46	49	57	60	66	64	61	54	70
BV 10/8 (600 RPM)	Inlet	42	50	58	62	68	66	64	57	72
BV 10/10 (600 RPM)	Inlet	44	54	61	66	71	69	66	58	75
BV 12/9 (500 RPM)	Inlet	44	52	59	65	70	68	64	57	74
BV 12/12 (500 RPM)	Inlet	46	55	62	68	73	70	67	60	76
BV 15/15 (400 RPM)	Inlet	50	60	60	66	70	69	65	59	74
BV 18/18 (400 RPM)	Inlet	53	60	63	71	72	70	67	58	77

Notes:

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

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