

BST



SINGLE INLET, FREE SHAFT WITHOUT MOTOR

MANUFACTURING FEATURES:

- Fully made of galvanised steel sheet.
- Simple inlet forward curved impeller in all models.
- Transmission shaft with anticorrosion treatment.

BST: Standard bearing support

BSTR: reinforced bearing support

APPLICATIONS:

Designed for assembly in equipment:

- Ventilation boxes and air handling units.
- Centrifugal heaters.
- Industrial and professional kitchen hoods.
- Maximum working temperature: carried air: 130°C

(Code refers RD position)

Accessories



AVR



AVS



INT



JE 45



SFC

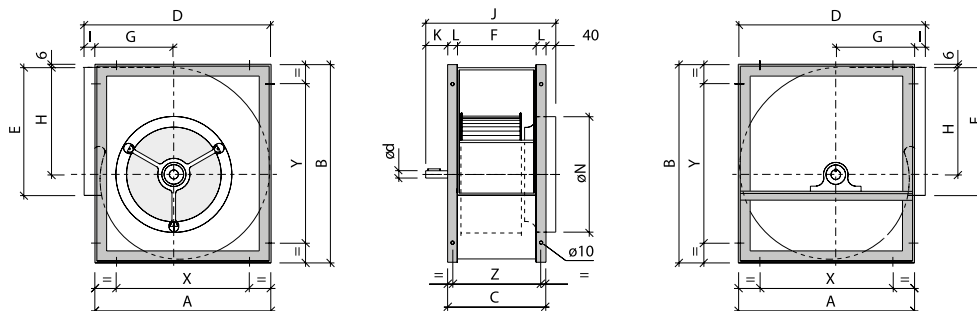
Technical data

Code	Model	Max. Airflow m³/h	Weight kg
501300900	BST 9/4	2.810	10
508401000	BST 10/5	3.410	11
508401200	BST 12/6	4.510	15
508401500	BST 15/7	7.010	23
508401800	BST 18/9	9.010	30
508402000	BSTR 20/10	12.010	68
508402200	BSTR 22/11	16.010	75
508402500	BSTR 25/13	20.010	89
508403000	BSTR 30/14	28.010	120

Notes:

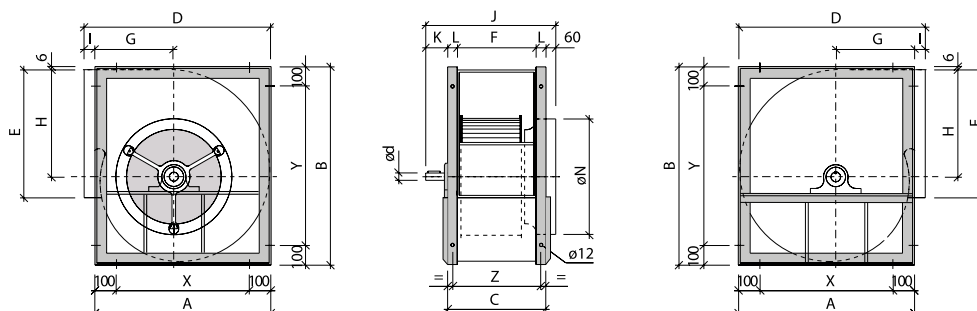
* The motor is not included in fan weight

Dimensions



Model	A	B	C	D	E	F	G	H	I
BST 9/4	355	404	217	380	265	169	155	218	25
BST 10/5	402	452	230	432	290	182	177	245	30
BST 12/6	475	534	268	505	342	210	203	290	30
BST 15/7	553	622	329	583	404	271	238	343	30
BST 18/9	666	754	368	700	480	298	285	417	34

Model	J	K	L	X	Y	Z	ØN	Ød
BST 9/4	297	40	24	280	327	193	248	20
BST 10/5	310	40	24	326	377	206	278	20
BST 12/6	358	20	29	384	453	240	313	25
BST 15/7	417	50	29	460	531	300	398	25
BST 18/9	458	50	35	553	641	333	448	25



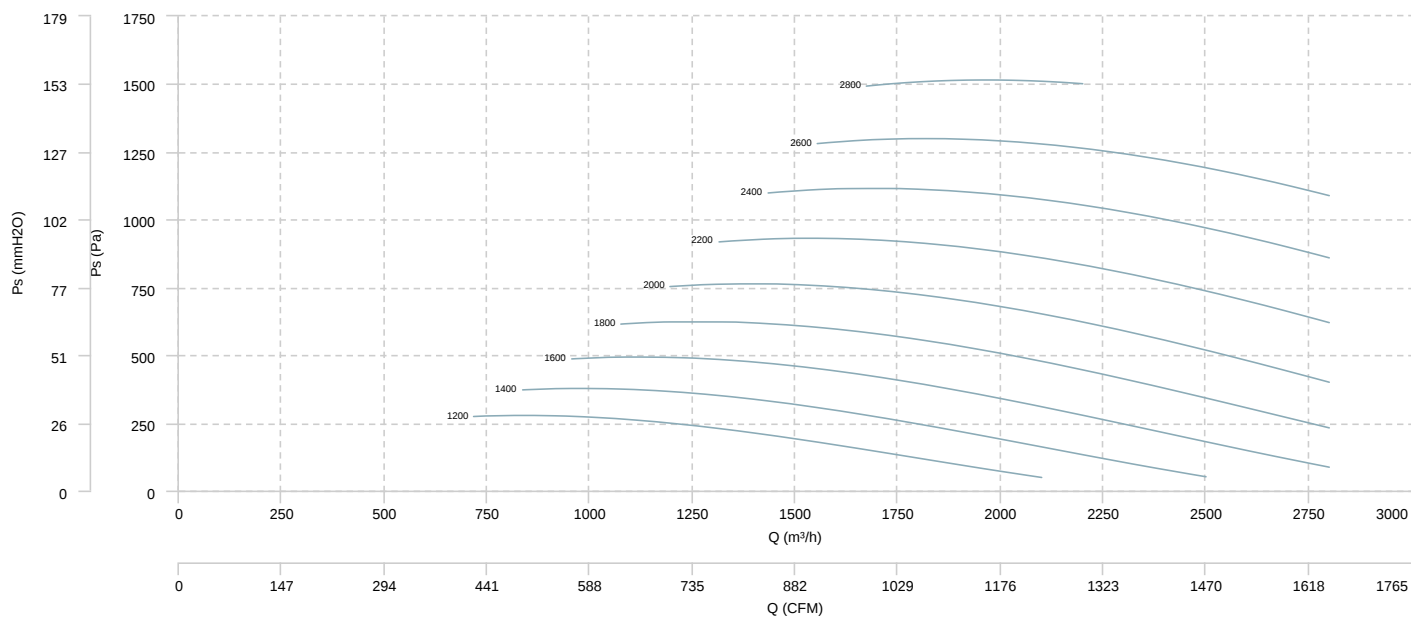
Model	A	B	C	D	E	F	G	H	I
BSTR 20/10	795	935	395	840	604	315	328	523	45
BSTR 22/11	863	1019	430	908	695	350	354	571	45
BSTR 25/13	953	1142	487	998	794	407	382	640	45
BSTR 30/14	1159	1374	547	1204	933	467	472	778	45

Model	J	K	L	X	Y	Z	ØN	Ød
BSTR 20/10	550	95	40	595	735	359	558	35
BSTR 22/11	583	95	40	663	819	392	628	35
BSTR 25/13	642	95	40	753	942	451	708	35
BSTR 30/14	734	130	40	959	1174	508	798	40

CHARACTERISCTIC CURVE

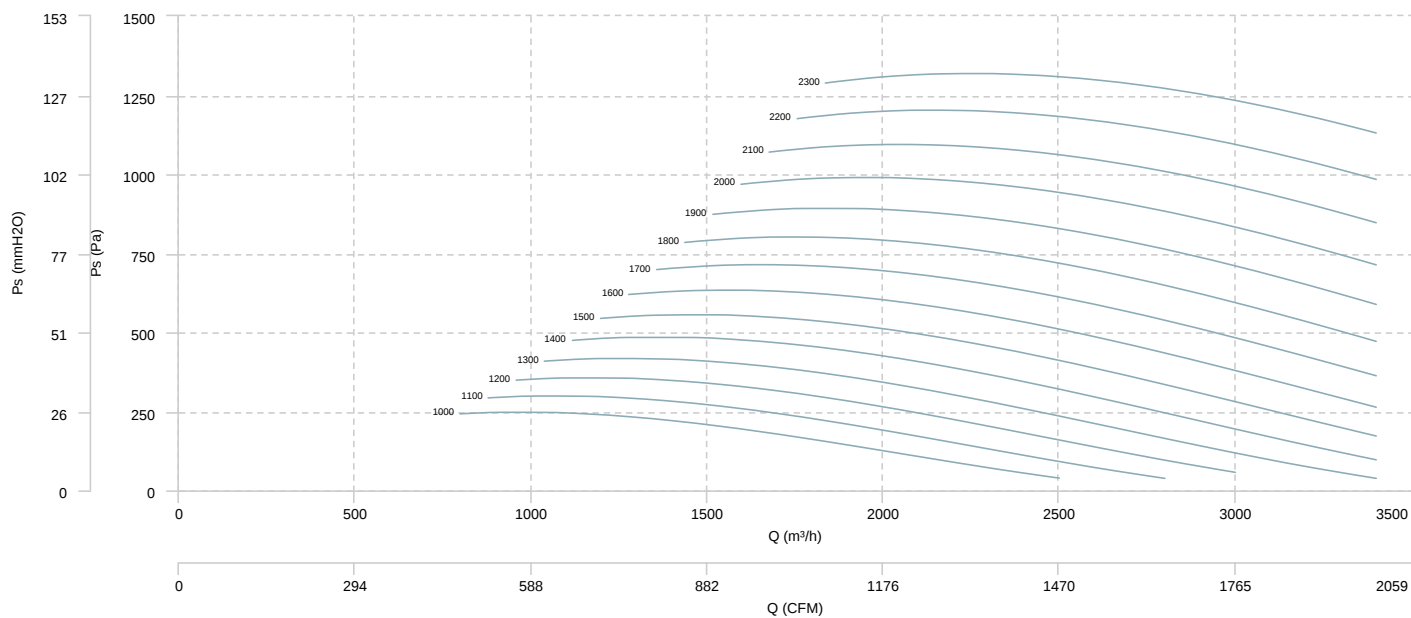
BST 9/4

AIR FLOW - PRESSURE



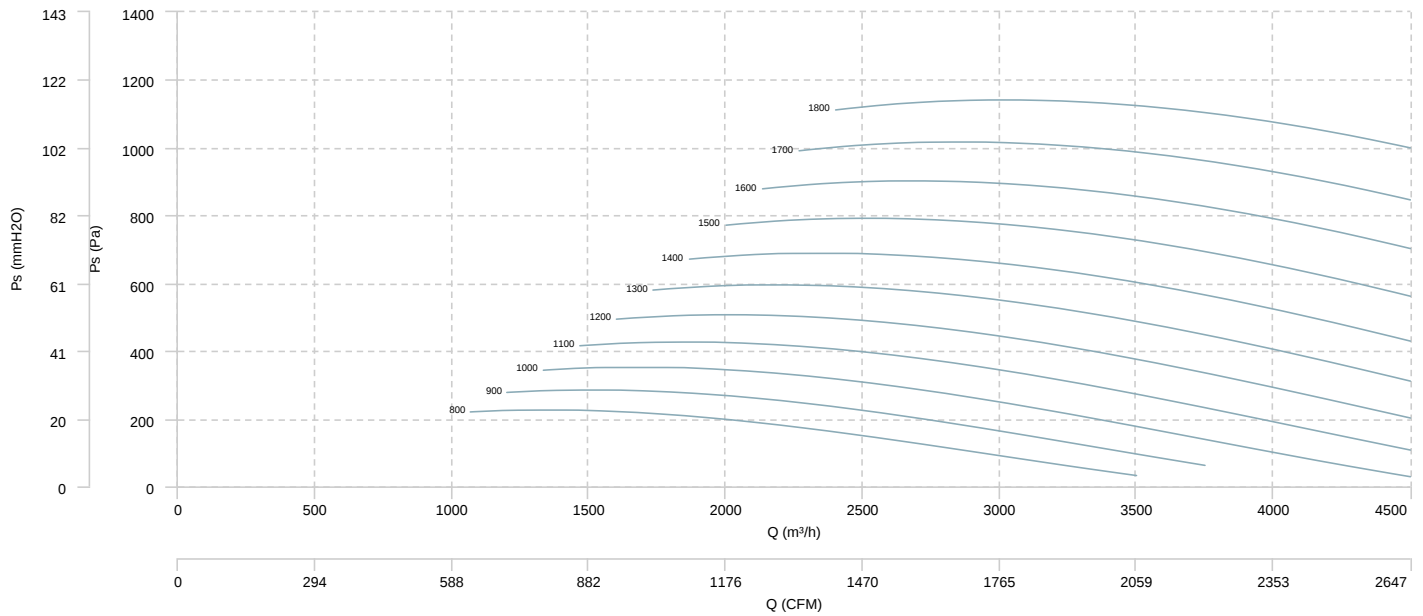
BST 10/5

AIR FLOW - PRESSURE



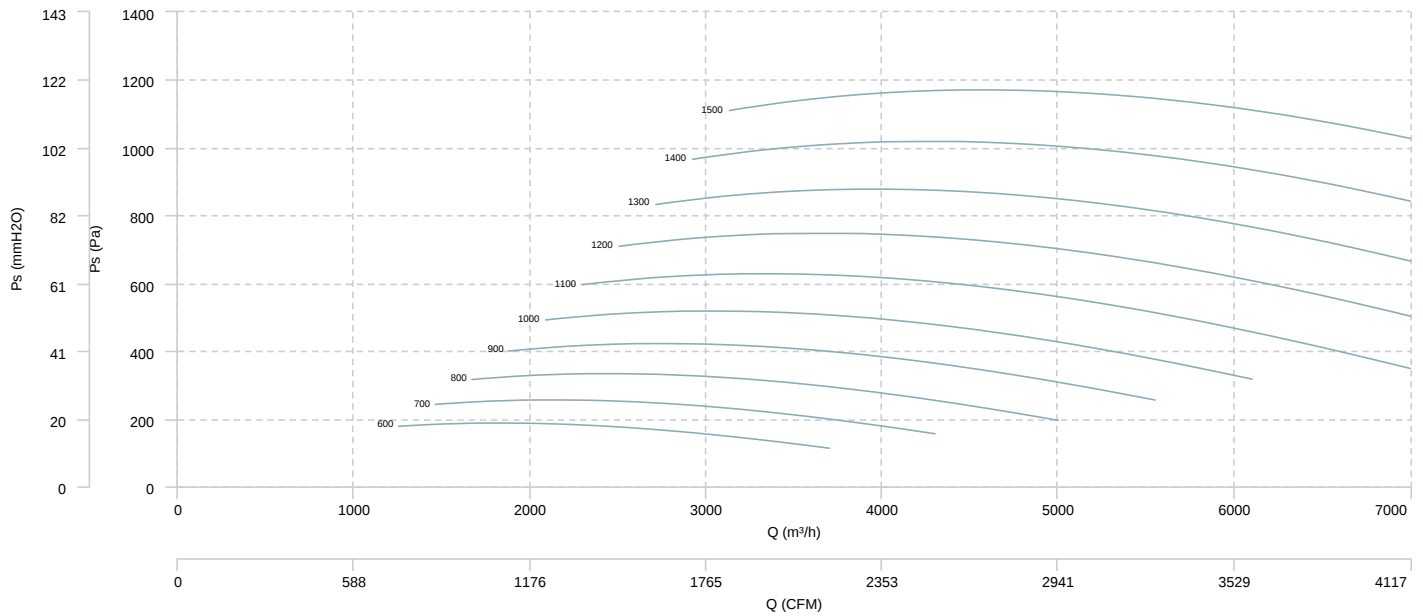
BST 12/6

AIR FLOW - PRESSURE



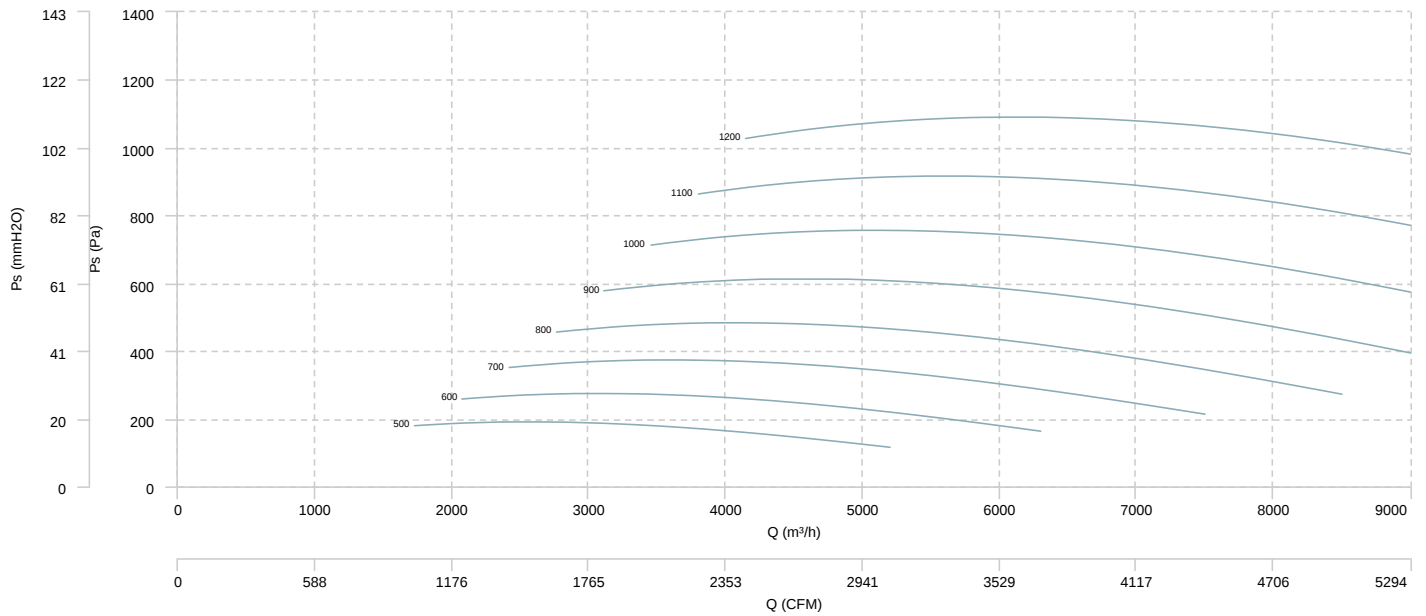
BST 15/7

AIR FLOW - PRESSURE



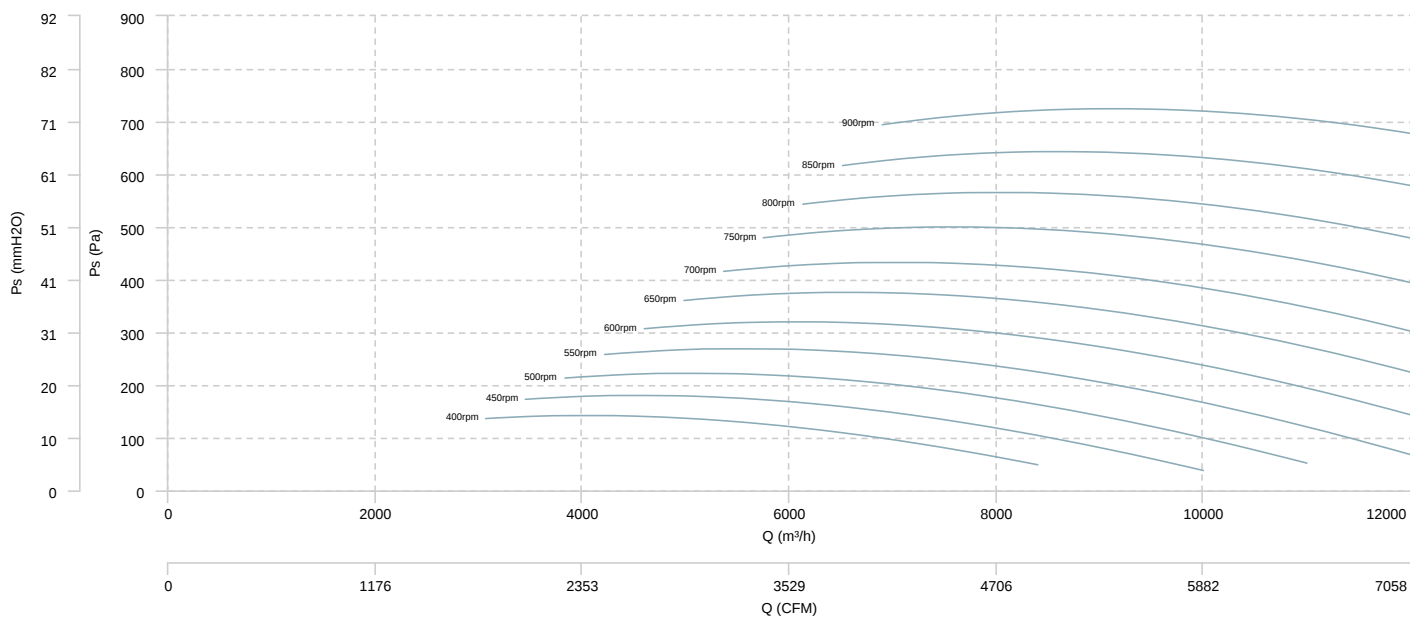
BST 18/9

AIR FLOW - PRESSURE



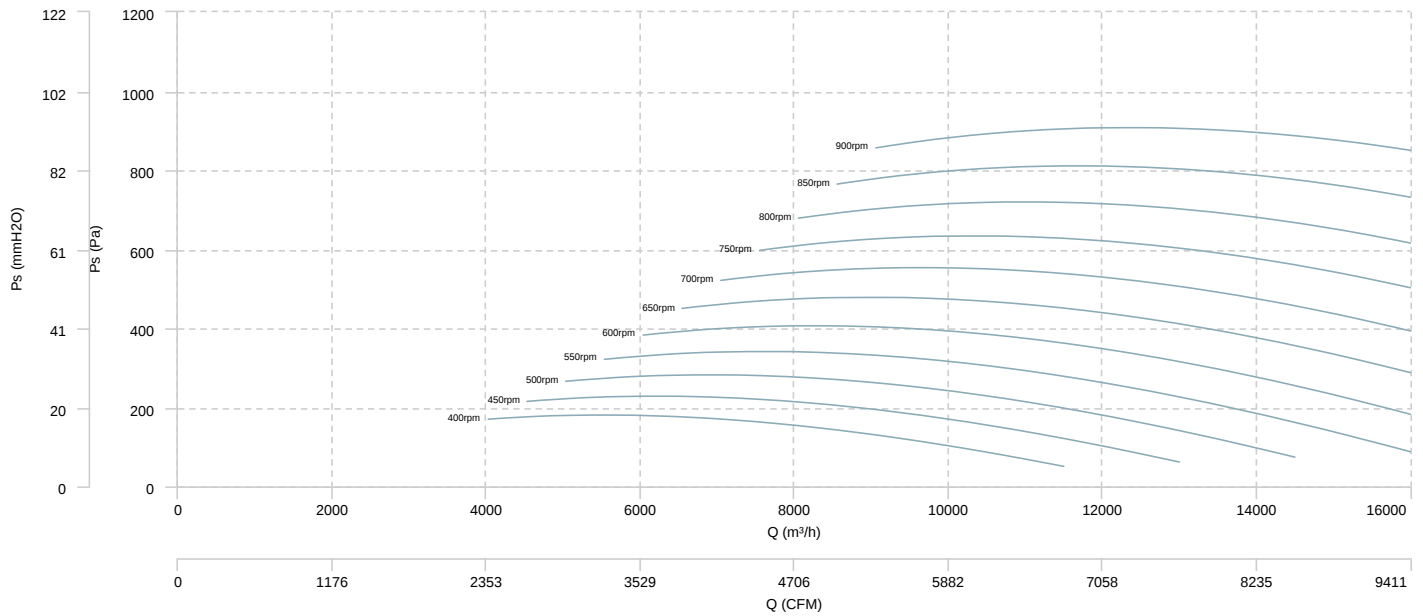
BSTR 20/10

AIR FLOW - PRESSURE



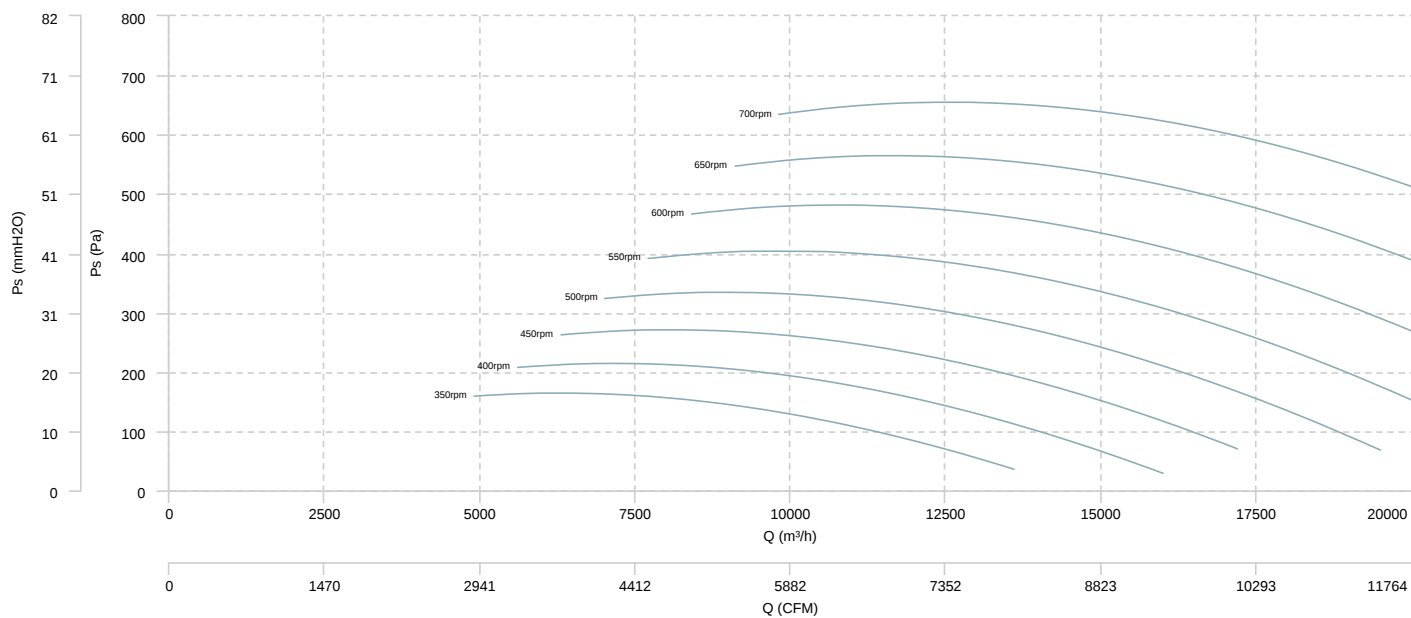
BSTR 22/11

AIR FLOW - PRESSURE



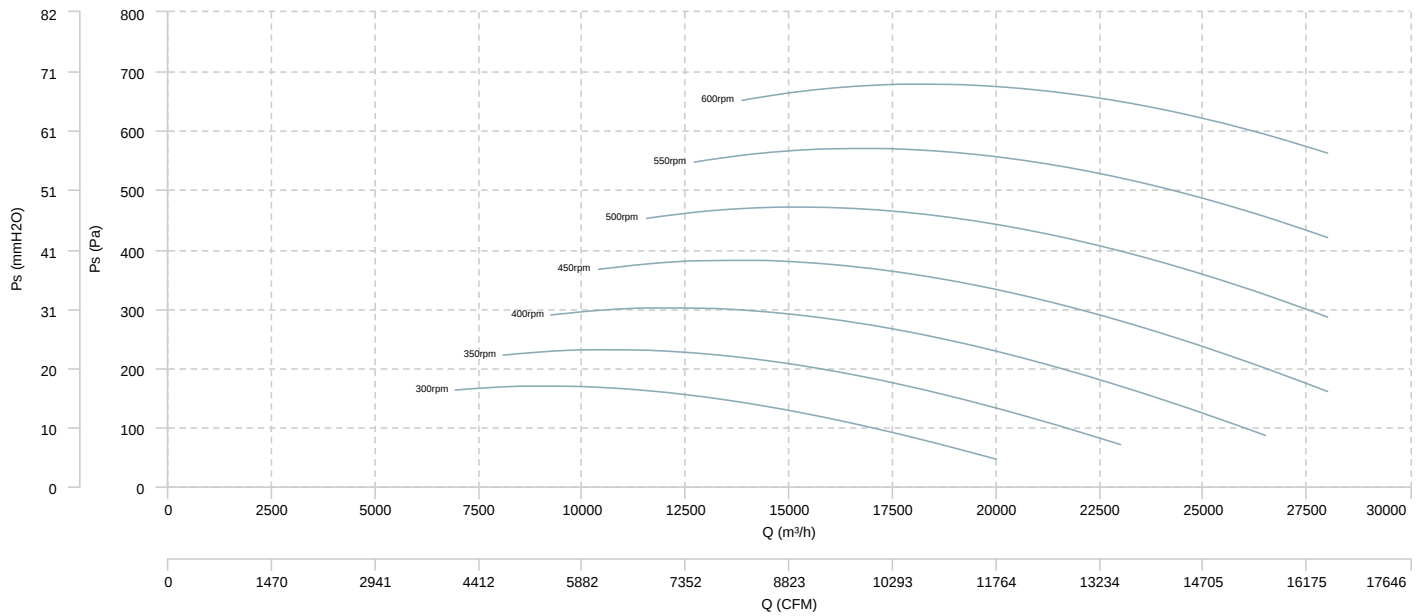
BSTR 25/13

AIR FLOW - PRESSURE

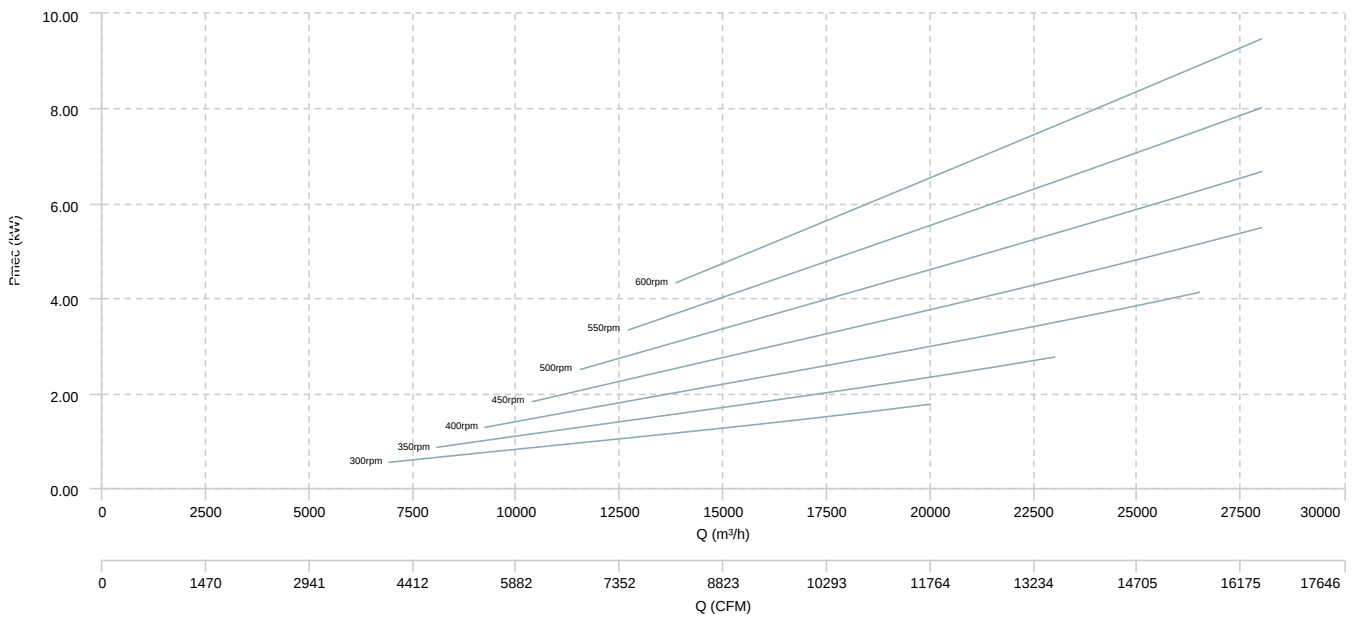


BSTR 30/14

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
BST 9/4 (1200)	Inlet	76	72	65	60	59	56	53	48	78
BST 10/5 (1000)	Inlet	74	70	63	58	57	54	51	46	76
BST 12/6 (800)	Inlet	71	67	60	55	54	51	48	43	73
BST 15/7 (600)	Inlet	77	73	66	61	60	57	54	49	79
BST 18/9 (500)	Inlet	73	69	62	57	56	53	50	45	75
BSTR 20/10 (400rpm)	Inlet	71	67	60	55	54	51	48	43	73
BSTR 22/11 (400rpm)	Inlet	76	72	65	60	59	56	53	48	78
BSTR 25/13 (350rpm)	Inlet	70	66	59	54	53	50	47	42	72
BSTR 30/14 (300rpm)	Inlet	75	71	64	59	58	55	52	47	77

Notes:

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

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