

BSTB



SIMPLE INLET BACKWARD IMPELLER WITH FREE SHAFT

MANUFACTURING FEATURES:

- Fully made of galvanised steel sheet.
- Simple inlet, backward impeller with self-cleaning system.
- Transmission shaft with anticorrosion treatment.

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, ambient: 60°C.

UNDER REQUEST:

- Totally assembled fan with motor, belts and pulleys.

Accessories



INT

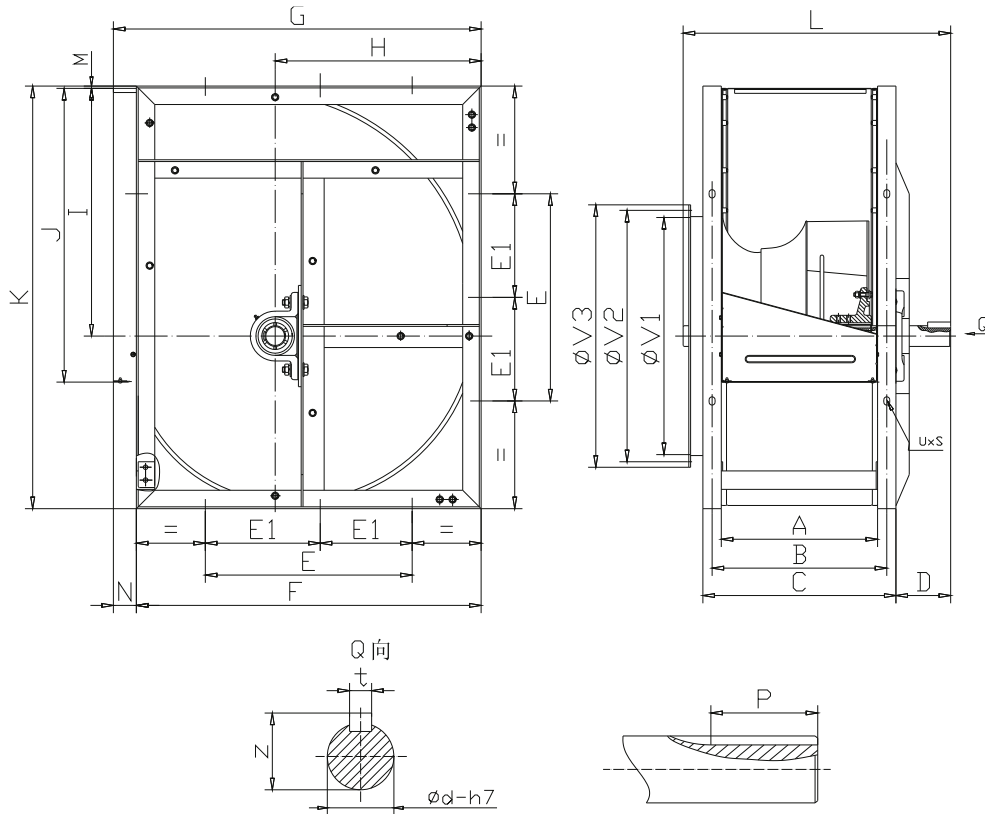


JE 45

Technical data

Code	Model	Max. Airflow m ³ /h	Weight
300784400	BSTB 315	5.540	63
300784500	BSTB 355	6.980	64
300784600	BSTB 400	8.710	66
300784700	BSTB 450	12.980	93
300784800	BSTB 500	14.300	116
300822600	BSTB 560	19.100	146
300822700	BSTB 630	24.170	185
300822800	BSTB 710	29.390	223

Dimensions



Model	A	B	C	D	E	F	G	H	I
BSTB 315	230	260	290	80	280	480	518	282	340
BSTB 355	252	292	332	93	315	548	578	318	383
BSTB 400	280	320	360	93	355	612	650	360	432
BSTB 450	309	349	389	115	400	681	726	404	486
BSTB 500	340	380	420	119	450	750	800	448	538
BSTB 560	382	432	482	133	250	844	892	502	603
BSTB 630	425	475	525	133	280	945	998	564	679
BSTB 710	478	528	578	141	315	1075	1120	636	765

Model	J	K	L	M	N	P	UxS	t	z
BSTB 315	404	572	415	3	38	50	13x18	8	28,3
BSTB 355	452	654	460	6	30	40	13x18	8	33,3
BSTB 400	506	736	490	5	38	50	13x18	10	38,3
BSTB 450	586	827	542	5	45	70	13x18	12	43,3
BSTB 500	638	918	582	5	50	70	13x18	12	43,3
BSTB 560	714	1030	650	7	48	90	13x18	14	53,5
BSTB 630	800	1157	700	6	53	90	13x18	14	53,5

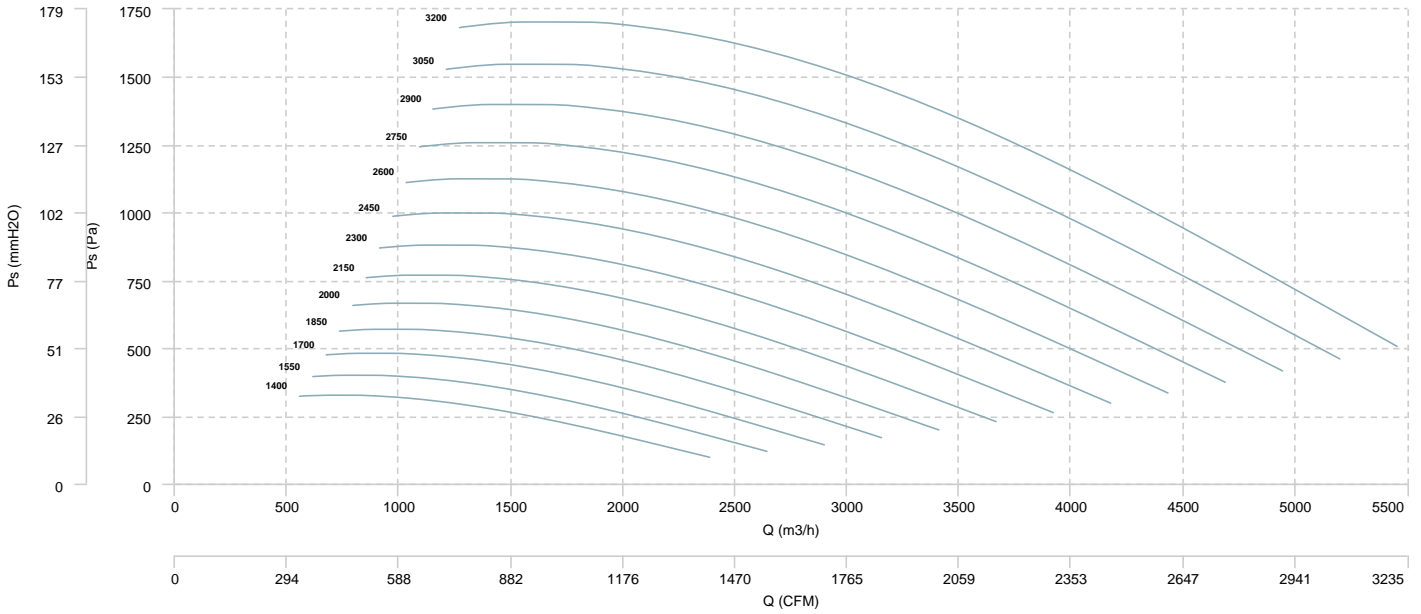
Model	J	K	L	M	N	P	UxS	t	z
BSTB 710	898	1302	758	7	63	90	17x22	14	53,5

Model	ØV1	ØV2	ØV3	Ød
BSTB 315	320	356	380	25
BSTB 355	362	397	420	30
BSTB 400	410	438	464	35
BSTB 450	457	490	520	40
BSTB 500	506	546	570	40
BSTB 560	570	600	636	50
BSTB 630	641	580	710	50
BSTB 710	709	762	800	50

CHARACTERISCTIC CURVE

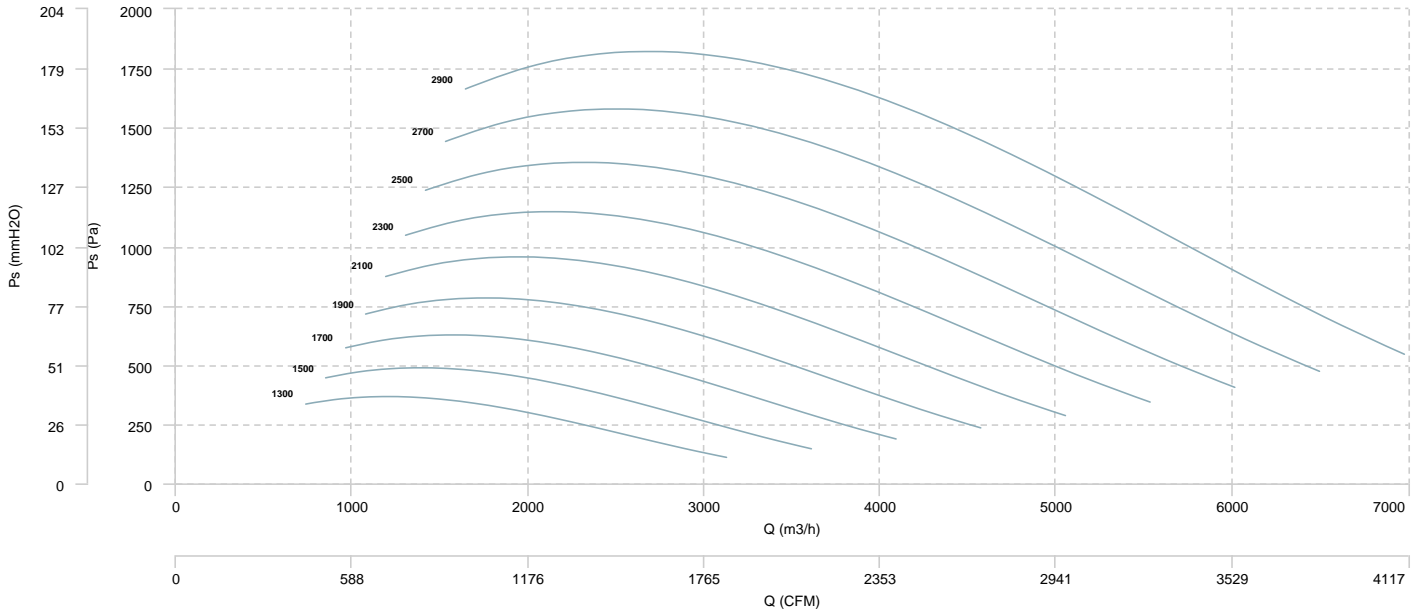
BSTB 315

AIR FLOW - PRESSURE



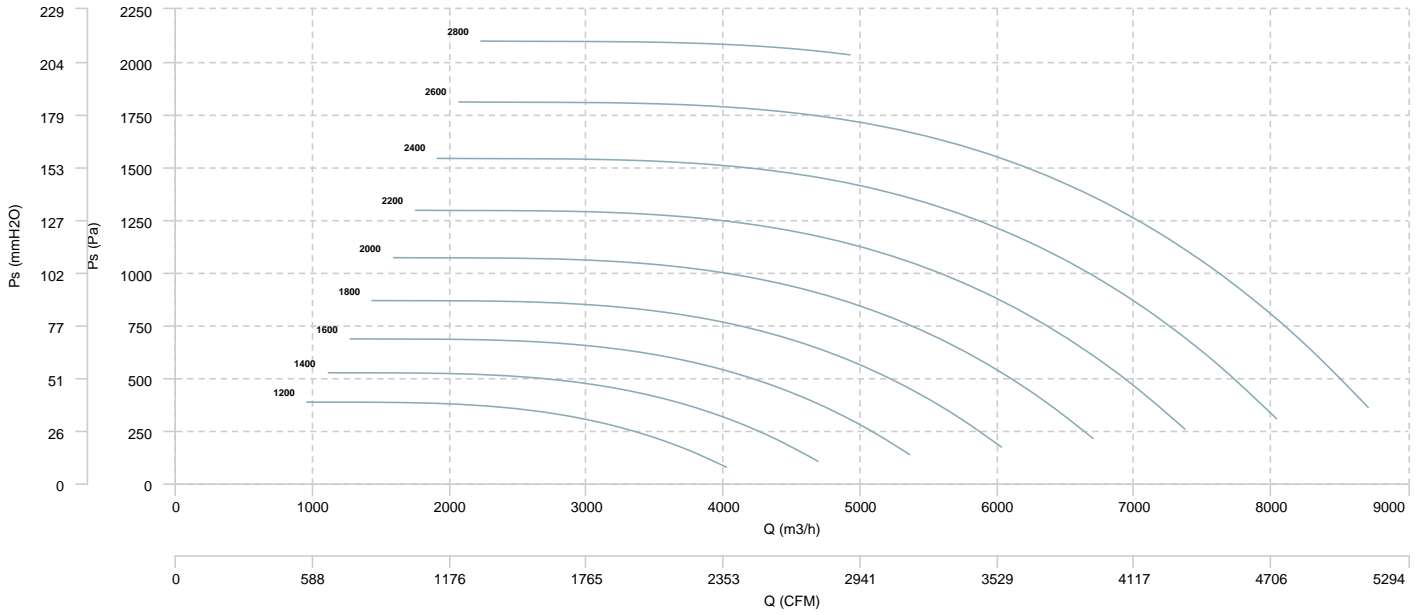
BSTB 355

AIR FLOW - PRESSURE



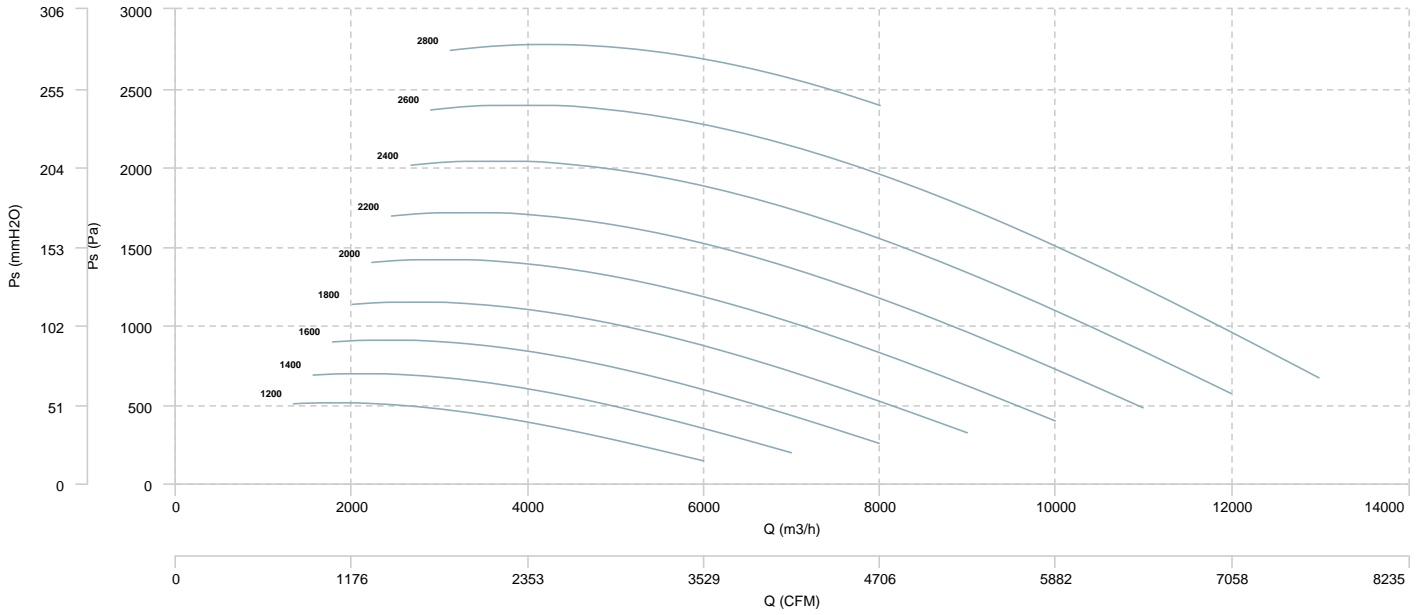
BSTB 400

AIR FLOW - PRESSURE



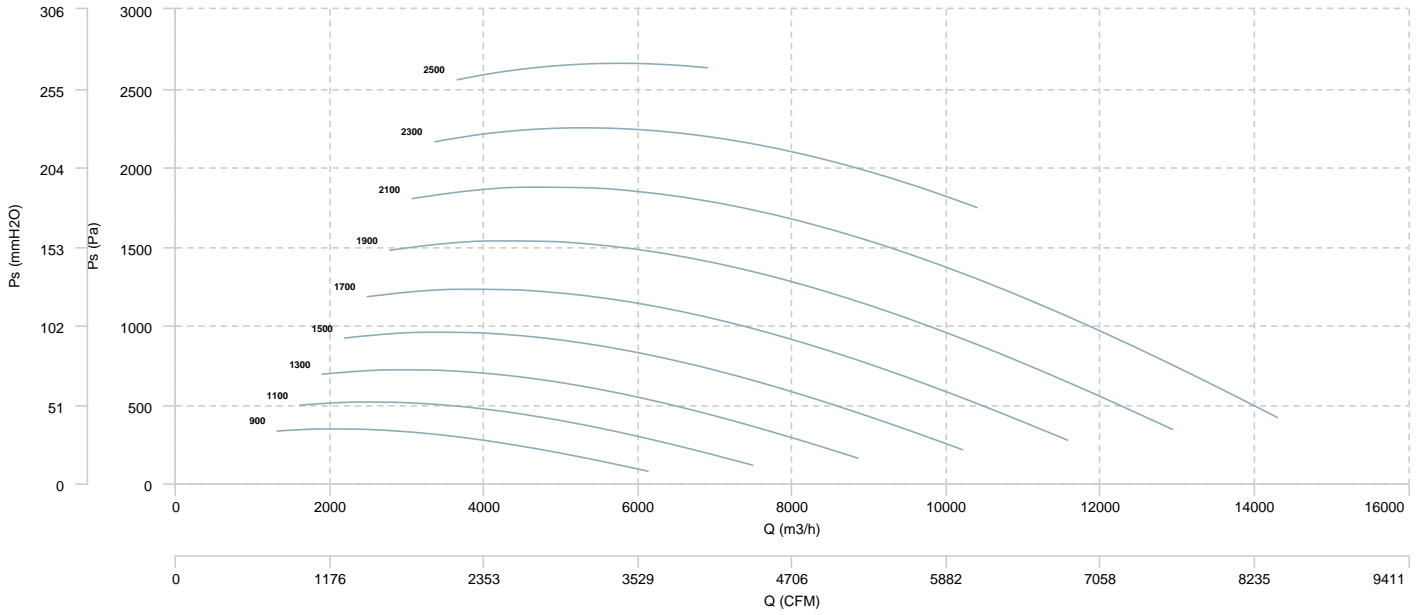
BSTB 450

AIR FLOW - PRESSURE



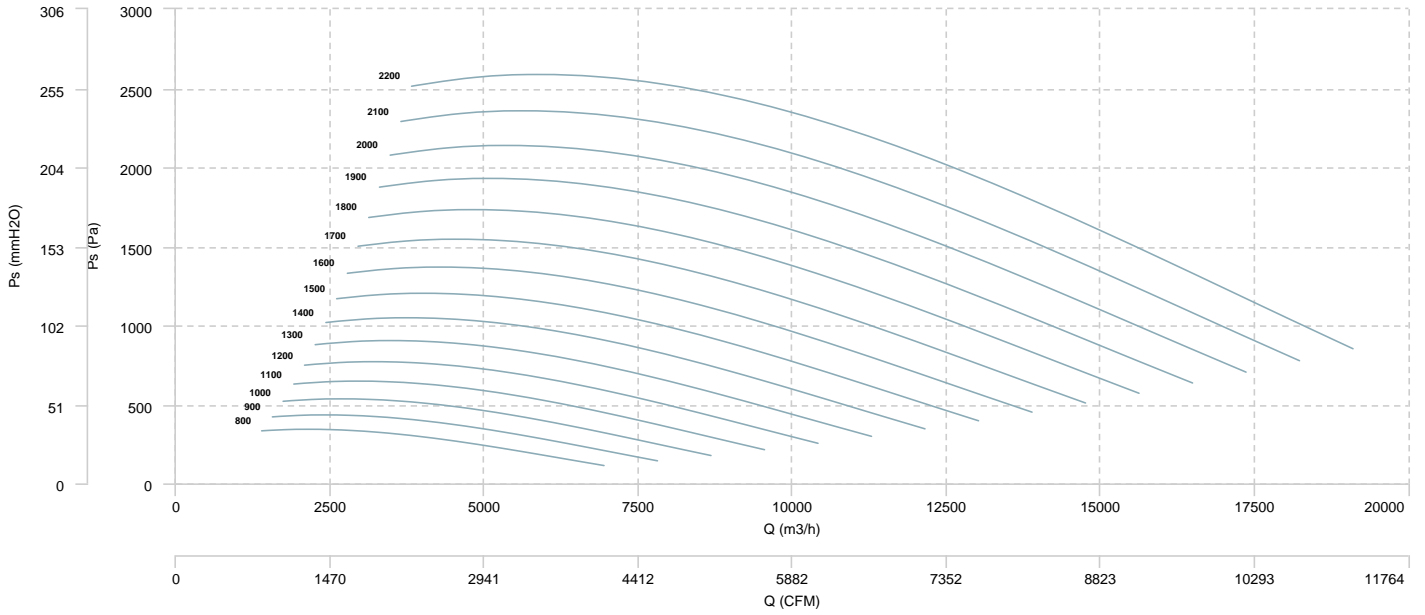
BSTB 500

AIR FLOW - PRESSURE



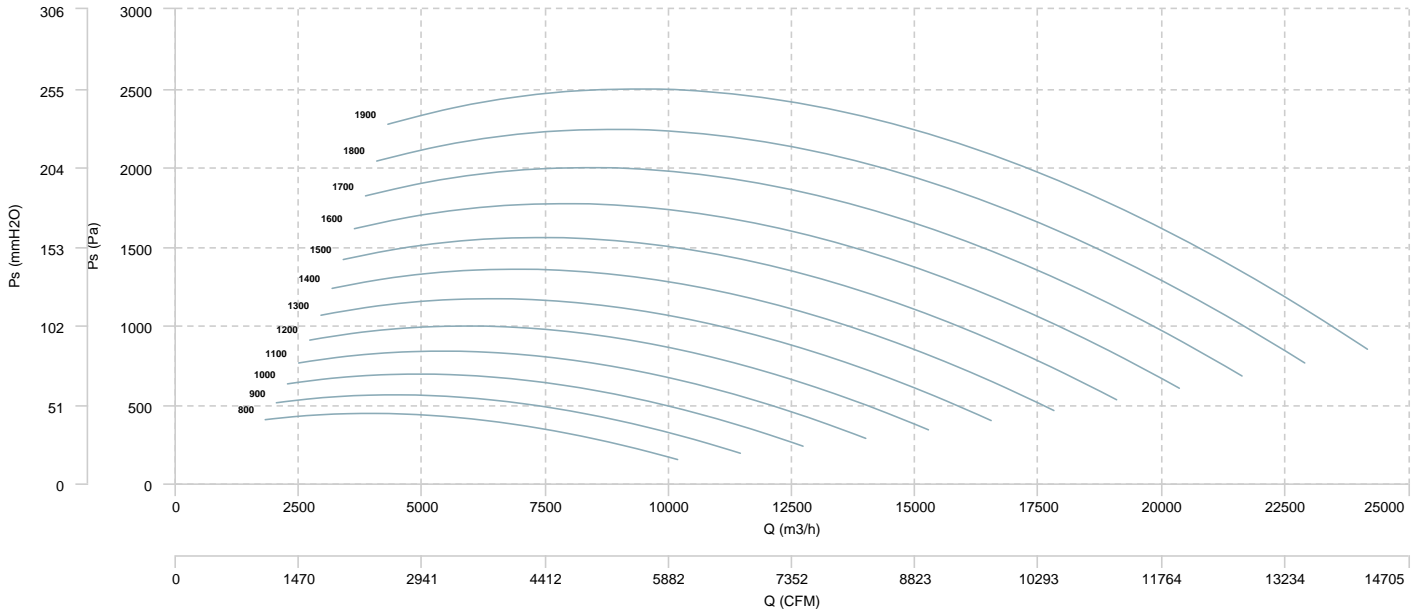
BSTB 560

AIR FLOW - PRESSURE



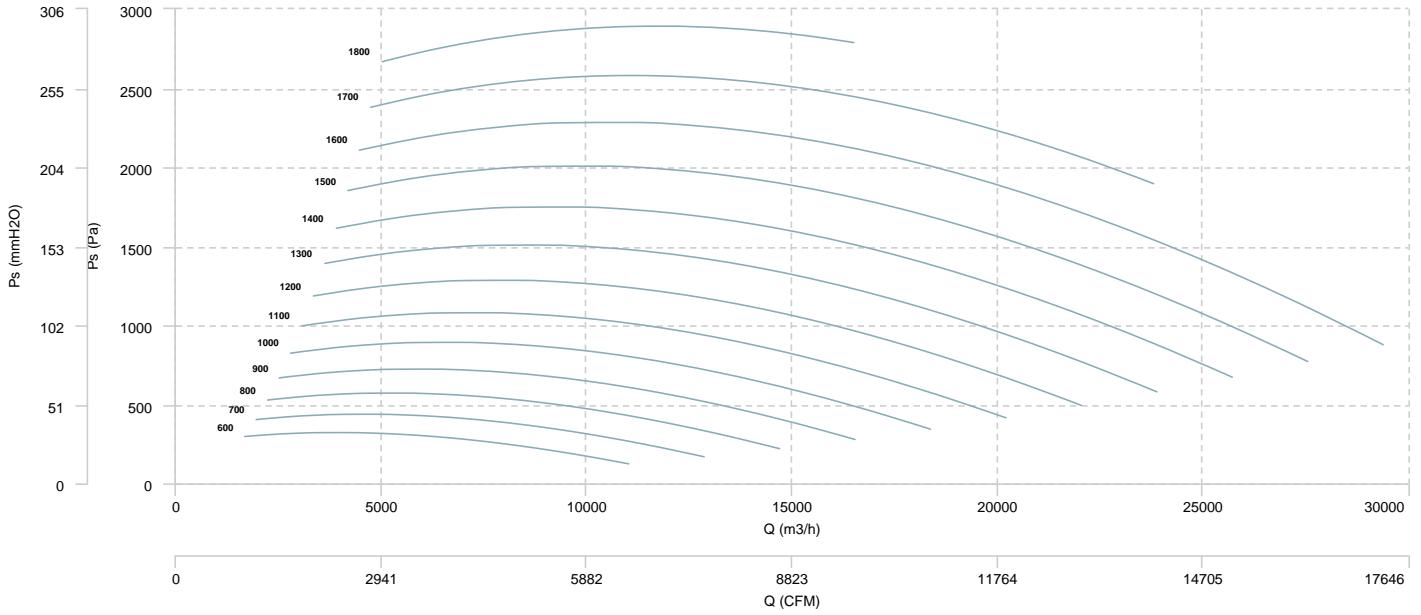
BSTB 630

AIR FLOW - PRESSURE



BSTB 710

AIR FLOW - PRESSURE



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
BSTB 315 (1400 RPM)	Inlet	46	57	68	69	69	68	59	48	75
	Radiated	41	52	63	64	64	63	54	43	70
BSTB 355 (2900 RPM)	Inlet	65	76	87	88	88	87	78	67	94
	Radiated	60	71	82	83	83	82	73	62	89
BSTB 400 (2800 RPM)	Inlet	73	81	92	93	96	93	84	72	100
	Radiated	68	76	87	88	91	88	79	67	95
BSTB 450 (2800 RPM)	Inlet	76	88	98	99	100	97	88	75	105
	Radiated	71	83	93	94	95	92	83	70	100
BSTB 500 (2500 RPM)	Inlet	72	88	95	97	100	96	89	75	104
	Radiated	67	83	90	92	95	91	84	70	99
BSTB 560 (2200 RPM)	Inlet	72	90	96	98	102	97	90	77	105
	Radiated	67	85	91	93	97	92	85	72	100
BSTB 630 (1900 RPM)	Inlet	71	88	95	97	101	97	89	77	104
	Radiated	66	83	90	92	96	92	84	72	100
BSTB 710 (1800 RPM)	Inlet	71	88	95	98	101	96	89	74	105
	Radiated	67	84	91	94	97	92	85	70	100

Notes:

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

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