

BOX BV PLUS

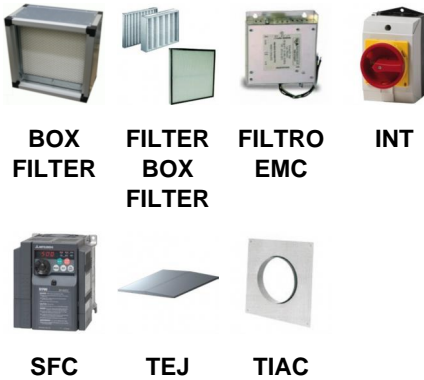


BELT DRIVEN CENTRIFUGAL IN SOUNDPROOF CABINET WITH SANDWICH PANELS

MANUFACTURING FEATURES

- Impellers made of polyamide reinforced with fibreglass up to size 12/12 (33/33). Other models are made of galvanised steel sheet.
- BV, BVC, BVCR range fans assembled in soundproof cabinets.
- Casing made of galvanized sandwich panel, with inner rock wool A1 class (100% non combustible), density 90Kg/m3.
- Fan assembled on antivibration mountings.
- Supplied with motor, pulleys and belts.
- Connection gland included.
- Squirrel cage asynchronous standard motor, IP-55 protection and rated class F insulation. Standard voltages 230/400V 50Hz for three phase, motors up to 4kW and 400/690V 50Hz for higher powers.

Accessories



BOX
FILTER

FILTER
BOX
FILTER

FILTRO
EMC

INT

SFC

TEJ

TIAC

APPLICATIONS

Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hood.
- Maximum working temperature: 60°C.

UNDER REQUEST

- 2 speed motors.
- LG0 position.
- Impeller made of galvanized sheet.

Technical data

Three-phase motor

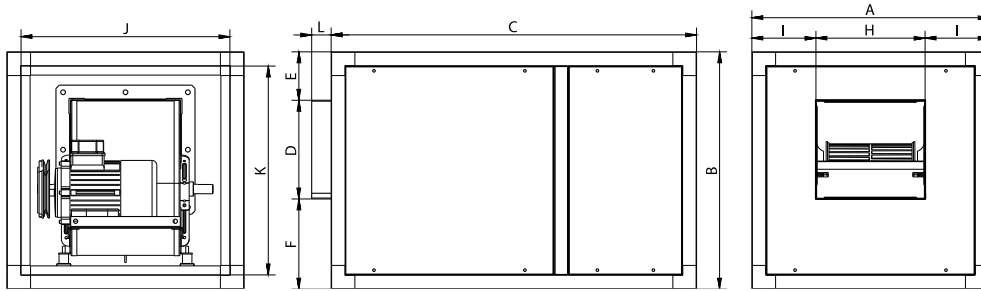
Code	Model	R.P.M.	Rated I. (A) 400V	Rated power kW	Max. Airflow m3/h	Sound db (A)*	Weight	Connect. diagram
252090452R__	BOX BV PLUS 7/7 0,37kW	1650	1,07	0,37	1.900	46	44	1
252090453R__	BOX BV PLUS 7/7 0,55kW	1650	1,49	0,55	2.350	46	46	1
252090454R__	BOX BV PLUS 7/7 0,75kW	1800	1,63	0,75	2.610	48	47	1
252180450R__	BOX BV PLUS 9/9 0,37kW	1200	1,07	0,37	2.950	46	49	1
252180451R__	BOX BV PLUS 9/9 0,55kW	1250	1,49	0,55	3.300	46	58	1
252180452R__	BOX BV PLUS 9/9 0,75kW	1400	1,63	0,75	3.580	49	61	1
252180453R__	BOX BV PLUS 9/9 1,1kW	1650	2,49	1,10	3.800	52	63	1
252210450R__	BOX BV PLUS 10/10 0,37kW	1000	1,07	0,37	3.120	45	65	1
252210451R__	BOX BV PLUS 10/10 0,55kW	1000	1,49	0,55	3.830	45	67	1
252210452R__	BOX BV PLUS 10/10 0,75kW	1150	1,63	0,75	4.220	48	68	1
252210453R__	BOX BV PLUS 10/10 1,1kW	1250	2,49	1,10	4.700	50	71	1
252210454R__	BOX BV PLUS 10/10 1,5kW	1400	3,26	1,50	5.250	53	74	1
252300450R__	BOX BV PLUS 12/12 0,37kW	700	1,07	0,37	4.500	45	83	1
252300451R__	BOX BV PLUS 12/12 0,55kW	700	1,49	0,55	5.100	45	84	1
252300452R__	BOX BV PLUS 12/12 0,75kW	800	1,63	0,75	5.700	48	85	1
252300453R__	BOX BV PLUS 12/12 1,1kW	900	2,49	1,10	6.480	50	87	1
252300454R__	BOX BV PLUS 12/12 1,5kW	1000	3,26	1,50	7.280	53	92	1
252300455R__	BOX BV PLUS 12/12 2,2kW	1150	4,64	2,20	8.030	56	93	1
252370450R__	BOX BV PLUS 15/15 0,55kW	600	1,49	0,55	6.400	44	98	1
252370451R__	BOX BV PLUS 15/15 0,75kW	650	1,63	0,75	6.910	44	104	1
252370452R__	BOX BV PLUS 15/15 1,1kW	700	2,49	1,10	8.000	46	107	1
252370453R__	BOX BV PLUS 15/15 1,5kW	800	3,26	1,50	8.820	49	944	1
252370454R__	BOX BV PLUS 15/15 2,2kW	900	4,64	2,20	10.070	51	119	1
252370455R__	BOX BV PLUS 15/15 3kW	1000	6,17	3	11.200	55	121	1
252370456R__	BOX BV PLUS 15/15 4kW	1100	8,32	4	11.740	56	126	1
252450450R__	BOX BV PLUS 18/18 1,1kW	500	2,49	1,10	9.620	40	143	1
252450451R__	BOX BV PLUS 18/18 1,5kW	550	3,26	1,50	10.370	42	146	1
252450452R__	BOX BV PLUS 18/18 2,2kW	600	4,64	2,20	11.980	44	154	1
252450453R__	BOX BV PLUS 18/18 3kW	700	6,17	3	13.620	47	156	1
252450454R__	BOX BV PLUS 18/18 4kW	750	8,32	4	14.590	48	162	1
252450455R__	BOX BV PLUS 18/18 5,5kW	800	10,5	5,50	16.540	50	175	1

Notes:

* Total sound pressure level at the point of maximum flow measured in dB(A) in the suction measured in free field at a distance of 6m from the source



Dimensions



Model	A	B	C	D	E	F	H	I	J
BOX BV PLUS 7/7 0,37kW	500	500	770	208	102	190	230	135	440
BOX BV PLUS 7/7 0,55kW	500	500	770	208	102	190	230	135	440
BOX BV PLUS 7/7 0,75kW	500	500	770	208	102	190	230	135	440
BOX BV PLUS 9/9 0,37kW	550	550	820	260	82	208	301	121,5	490
BOX BV PLUS 9/9 0,55kW	550	550	820	260	82	208	301	121,5	490
BOX BV PLUS 9/9 0,75kW	550	550	820	260	82	208	301	121,5	490
BOX BV PLUS 9/9 1,1kW	550	550	820	260	82	208	301	121,5	490
BOX BV PLUS 10/10 0,37kW	600	600	870	291	80	229	329	135,5	540
BOX BV PLUS 10/10 0,55kW	600	600	870	291	80	229	329	135,5	540
BOX BV PLUS 10/10 0,75kW	600	600	870	291	80	229	329	135,5	540
BOX BV PLUS 10/10 1,1kW	600	600	870	291	80	229	329	135,5	540
BOX BV PLUS 10/10 1,5kW	600	600	870	291	80	229	329	135,5	540
BOX BV PLUS 12/12 0,37kW	700	700	970	343,5	103,25	253,25	396	152	640
BOX BV PLUS 12/12 0,55kW	700	700	970	343,5	103,25	253,25	396	152	640
BOX BV PLUS 12/12 0,75kW	700	700	970	343,5	103,25	253,25	396	152	640
BOX BV PLUS 12/12 1,1kW	700	700	970	343,5	103,25	253,25	396	152	640
BOX BV PLUS 12/12 1,5kW	700	700	970	343,5	103,25	253,25	396	152	640
BOX BV PLUS 12/12 2,2kW	700	700	970	343,5	103,25	253,25	396	152	640
BOX BV PLUS 15/15 0,55kW	800	800	1070	404	113	283	473	163,5	740
BOX BV PLUS 15/15 0,75kW	800	800	1070	404	113	283	473	163,5	740
BOX BV PLUS 15/15 1,1kW	800	800	1070	404	113	283	473	163,5	740
BOX BV PLUS 15/15 1,5kW	800	800	1070	404	113	283	473	163,5	740
BOX BV PLUS 15/15 2,2kW	800	800	1070	404	113	283	473	163,5	740
BOX BV PLUS 15/15 3kW	800	800	1070	404	113	283	473	163,5	740
BOX BV PLUS 15/15 4kW	800	800	1070	404	113	283	473	163,5	740
BOX BV PLUS 18/18 1,1kW	950	950	1220	483	139	328	556	197	890
BOX BV PLUS 18/18 1,5kW	950	950	1220	483	139	328	556	197	890
BOX BV PLUS 18/18 2,2kW	950	950	1220	483	139	328	556	197	890
BOX BV PLUS 18/18 3kW	950	950	1220	483	139	328	556	197	890
BOX BV PLUS 18/18 4kW	950	950	1220	483	139	328	556	197	890

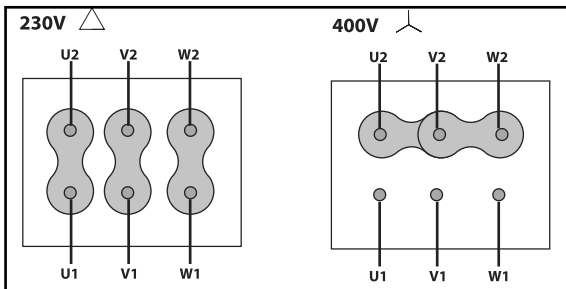
Model	A	B	C	D	E	F	H	I	J
BOX BV PLUS 18/18 5,5kW	950	950	1220	483	139	328	556	197	890

Model	K	L
BOX BV PLUS 7/7 0,37kW	440	41
BOX BV PLUS 7/7 0,55kW	440	41
BOX BV PLUS 7/7 0,75kW	440	41
BOX BV PLUS 9/9 0,37kW	490	41
BOX BV PLUS 9/9 0,55kW	490	41
BOX BV PLUS 9/9 0,75kW	490	41
BOX BV PLUS 9/9 1,1kW	490	41
BOX BV PLUS 10/10 0,37kW	540	41
BOX BV PLUS 10/10 0,55kW	540	41
BOX BV PLUS 10/10 0,75kW	540	41
BOX BV PLUS 10/10 1,1kW	540	41
BOX BV PLUS 10/10 1,5kW	540	41
BOX BV PLUS 12/12 0,37kW	640	41
BOX BV PLUS 12/12 0,55kW	640	41
BOX BV PLUS 12/12 0,75kW	640	41
BOX BV PLUS 12/12 1,1kW	640	41
BOX BV PLUS 12/12 1,5kW	640	41
BOX BV PLUS 12/12 2,2kW	640	41
BOX BV PLUS 15/15 0,55kW	740	41
BOX BV PLUS 15/15 0,75kW	740	41
BOX BV PLUS 15/15 1,1kW	740	41
BOX BV PLUS 15/15 1,5kW	740	41
BOX BV PLUS 15/15 2,2kW	740	41
BOX BV PLUS 15/15 3kW	740	41
BOX BV PLUS 15/15 4kW	740	41
BOX BV PLUS 18/18 1,1kW	890	41
BOX BV PLUS 18/18 1,5kW	890	41
BOX BV PLUS 18/18 2,2kW	890	41
BOX BV PLUS 18/18 3kW	890	41
BOX BV PLUS 18/18 4kW	890	41
BOX BV PLUS 18/18 5,5kW	890	41

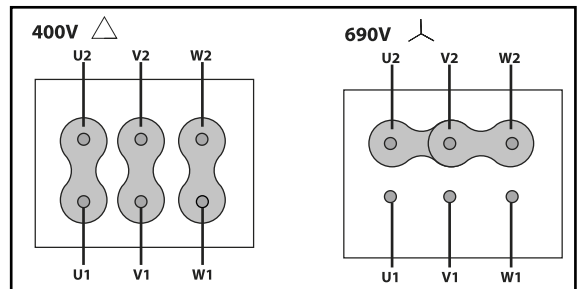
Wiring diagram

DIAGRAM Nº 1

230/400V



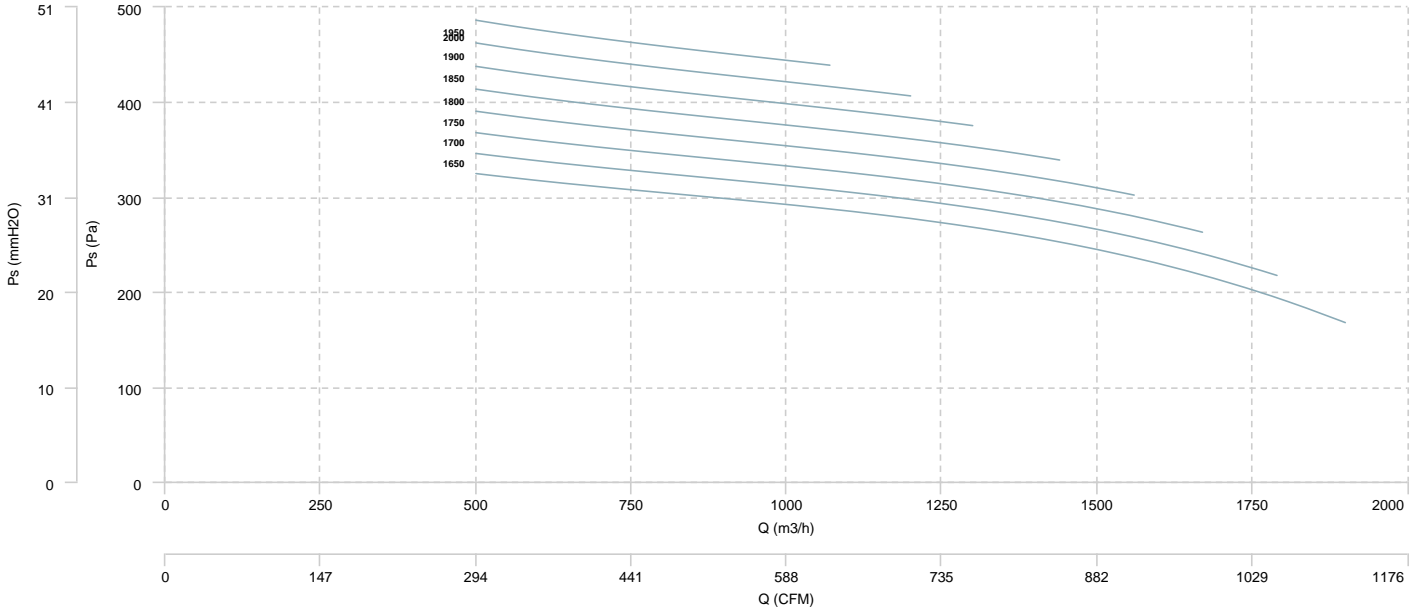
400/690V



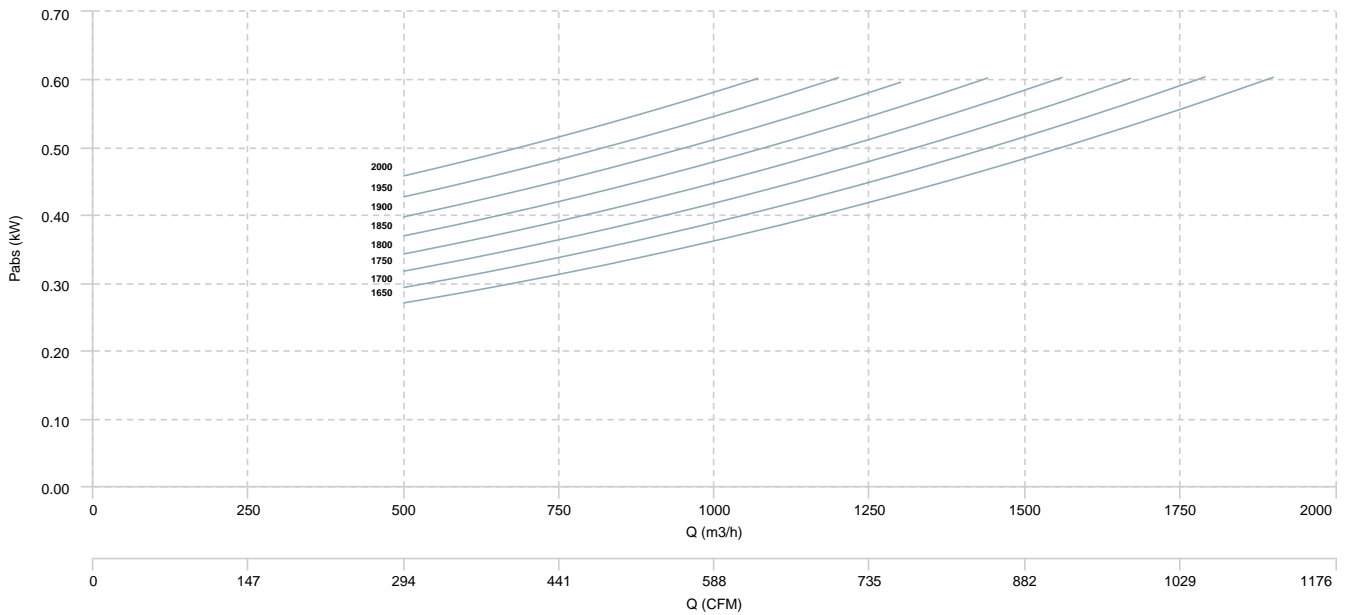
CHARACTERISCTIC CURVE

BOX BV PLUS 7/7 0,37kW

AIR FLOW - PRESSURE

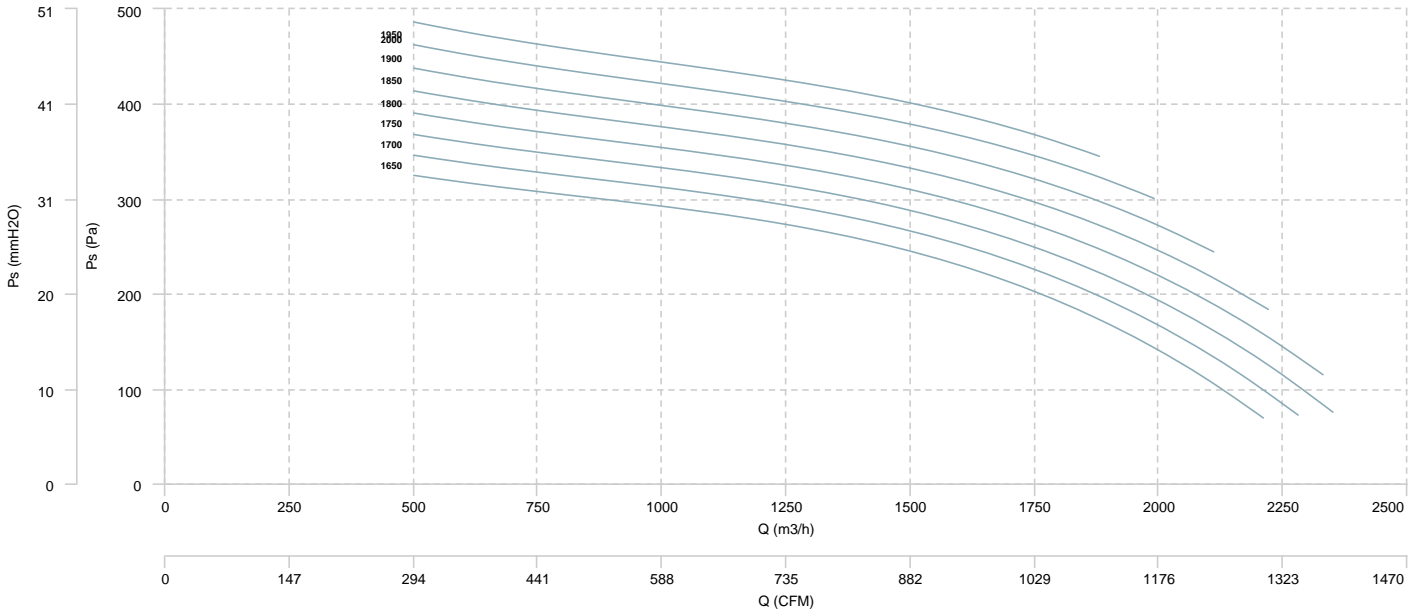


AIR FLOW - ABSORBED POWER

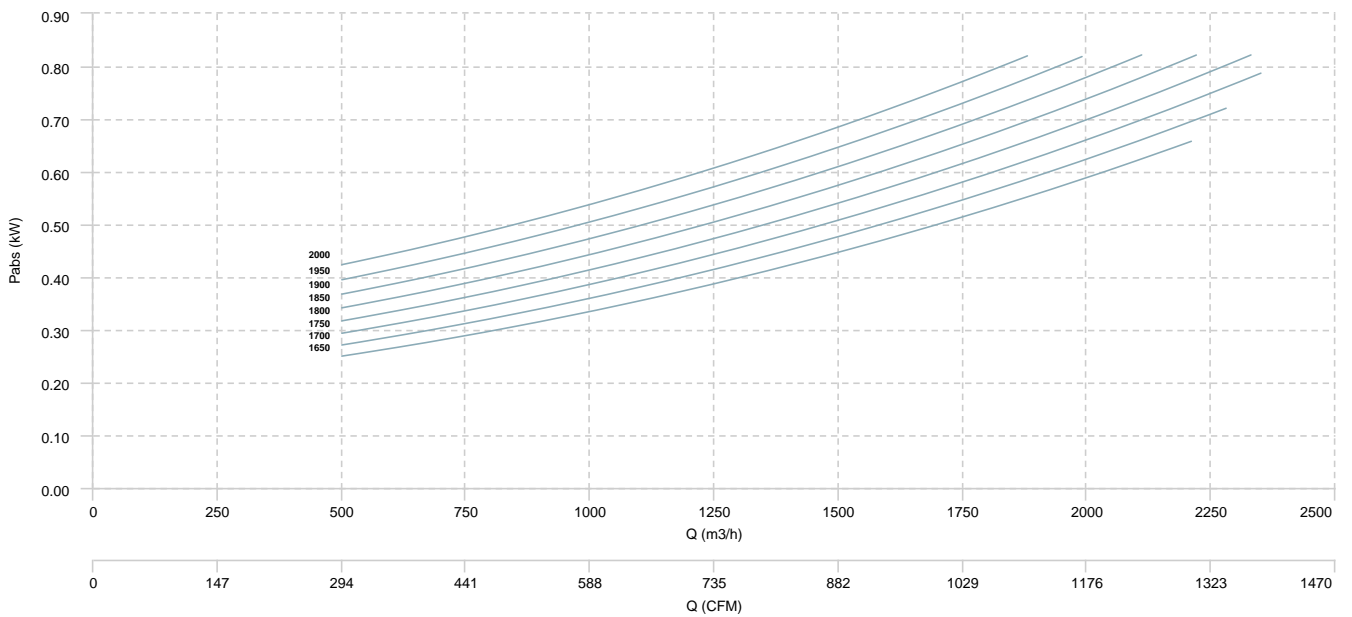


BOX BV PLUS 7/7 0,55kW

AIR FLOW - PRESSURE

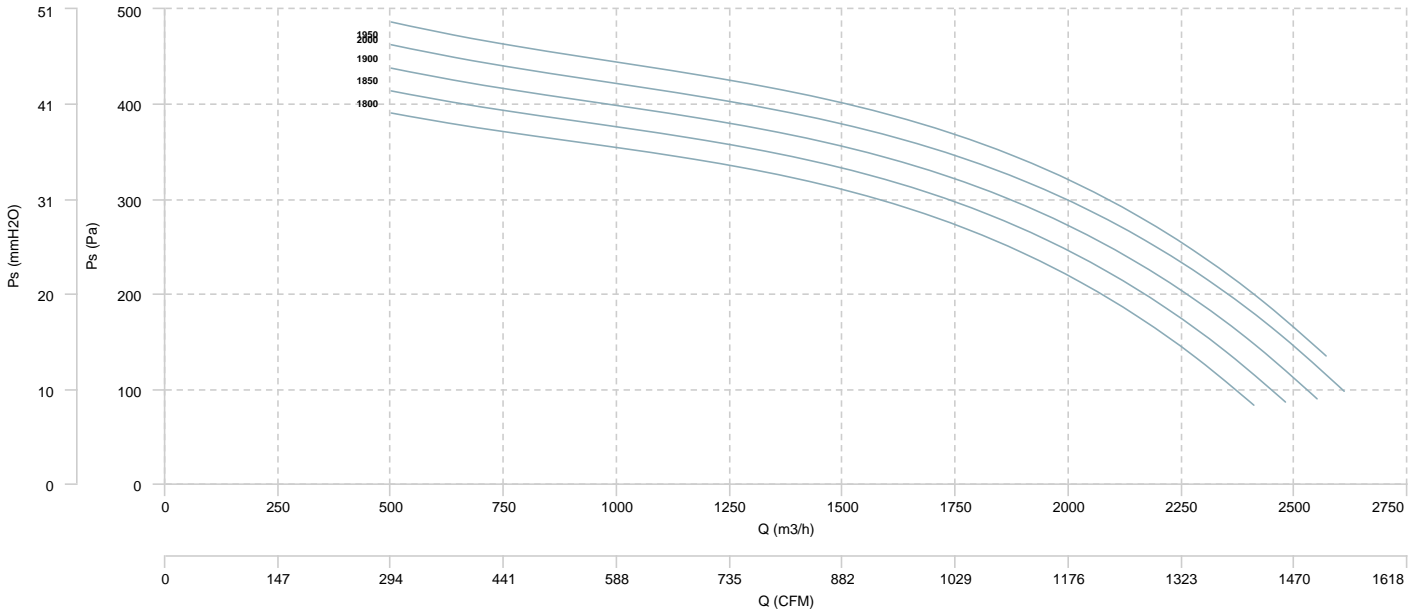


AIR FLOW - ABSORBED POWER

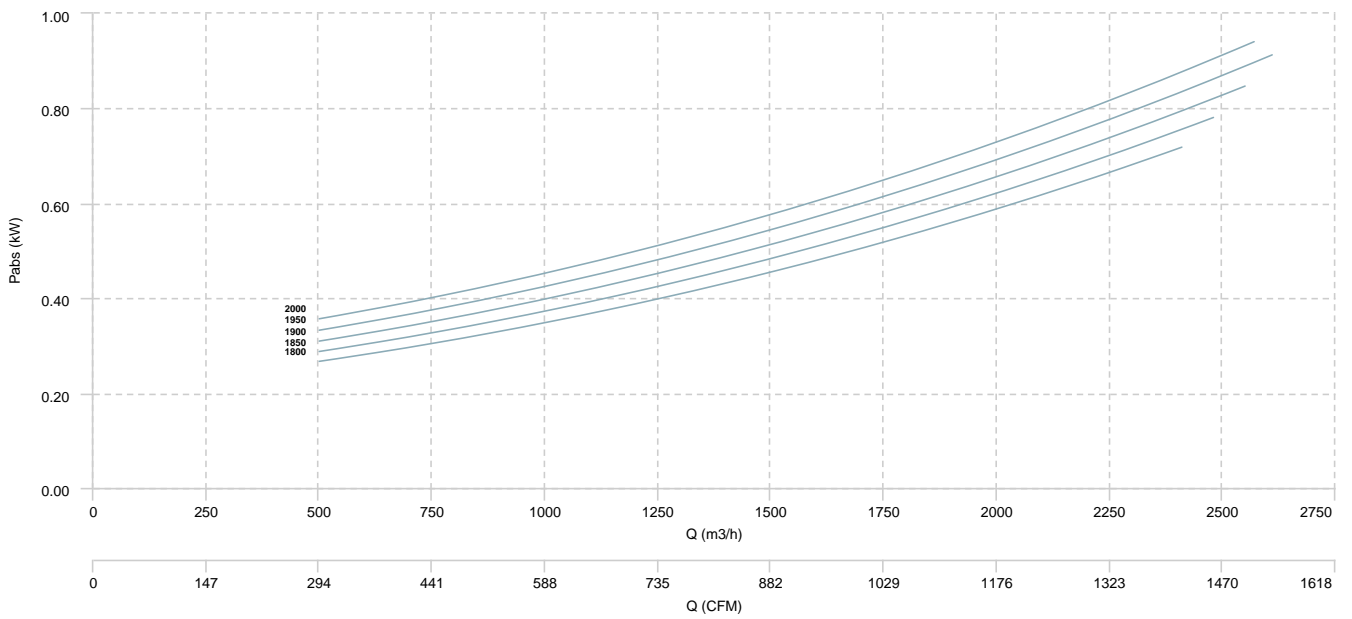


BOX BV PLUS 7/7 0,75kW

AIR FLOW - PRESSURE

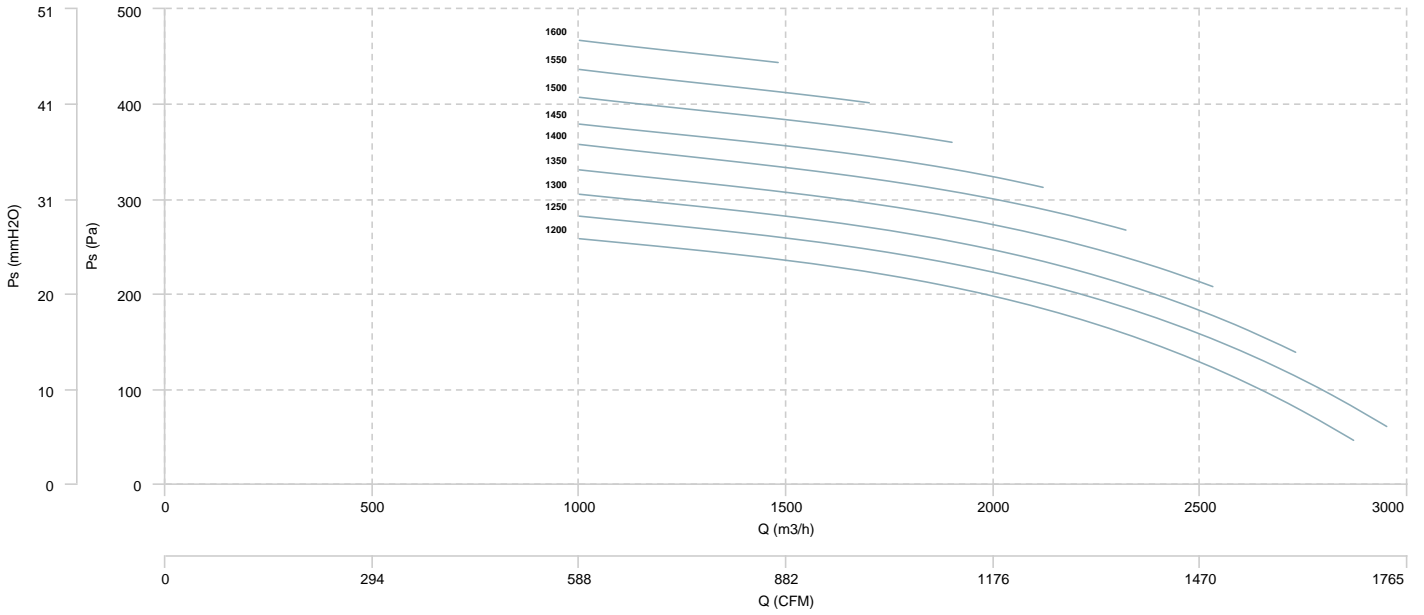


AIR FLOW - ABSORBED POWER

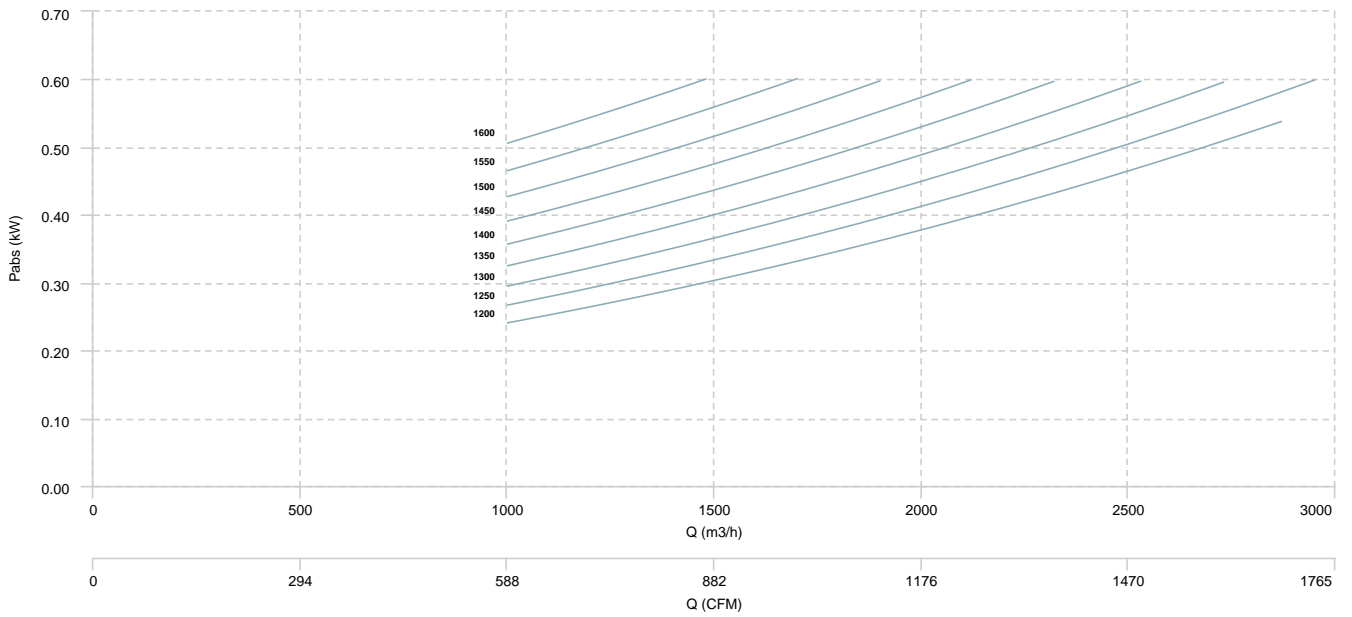


BOX BV PLUS 9/9 0,37kW

AIR FLOW - PRESSURE

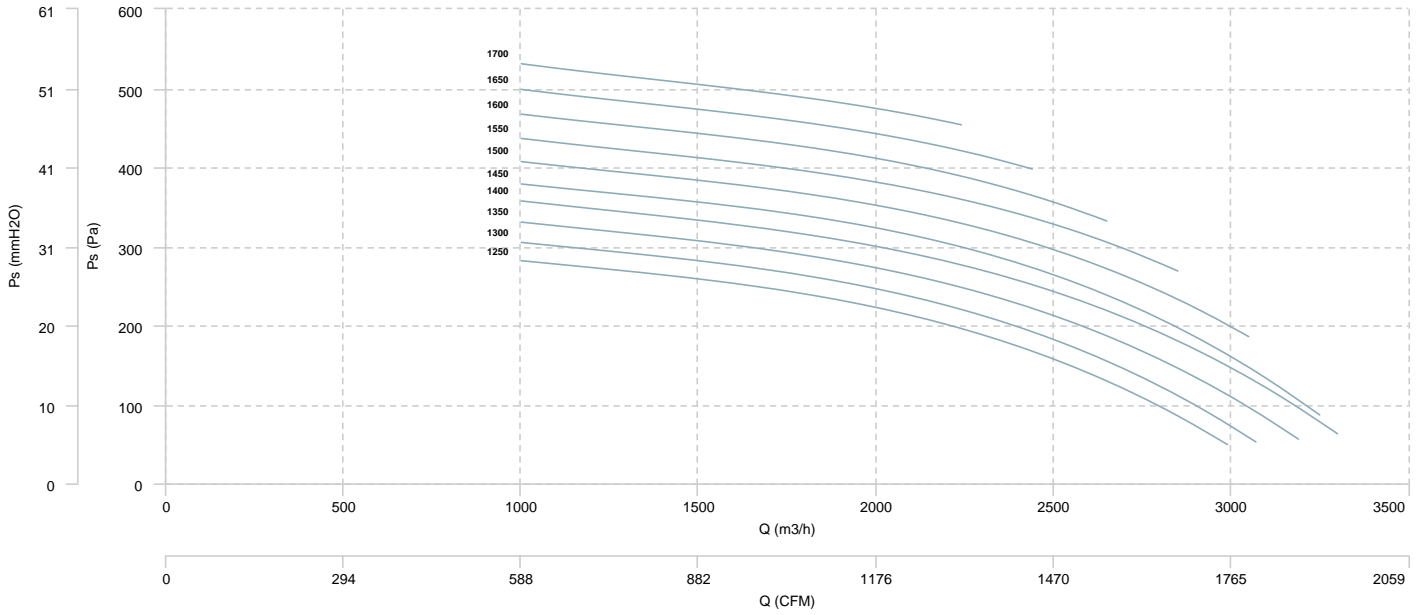


AIR FLOW - ABSORBED POWER

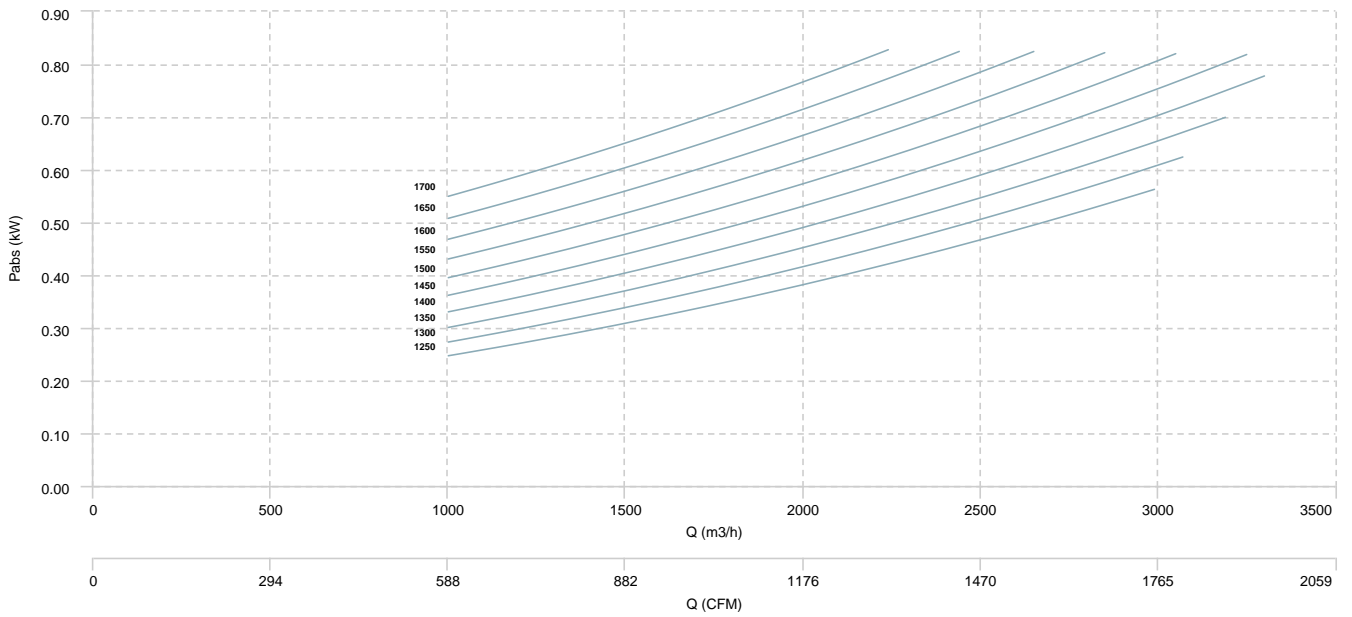


BOX BV PLUS 9/9 0,55kW

AIR FLOW - PRESSURE

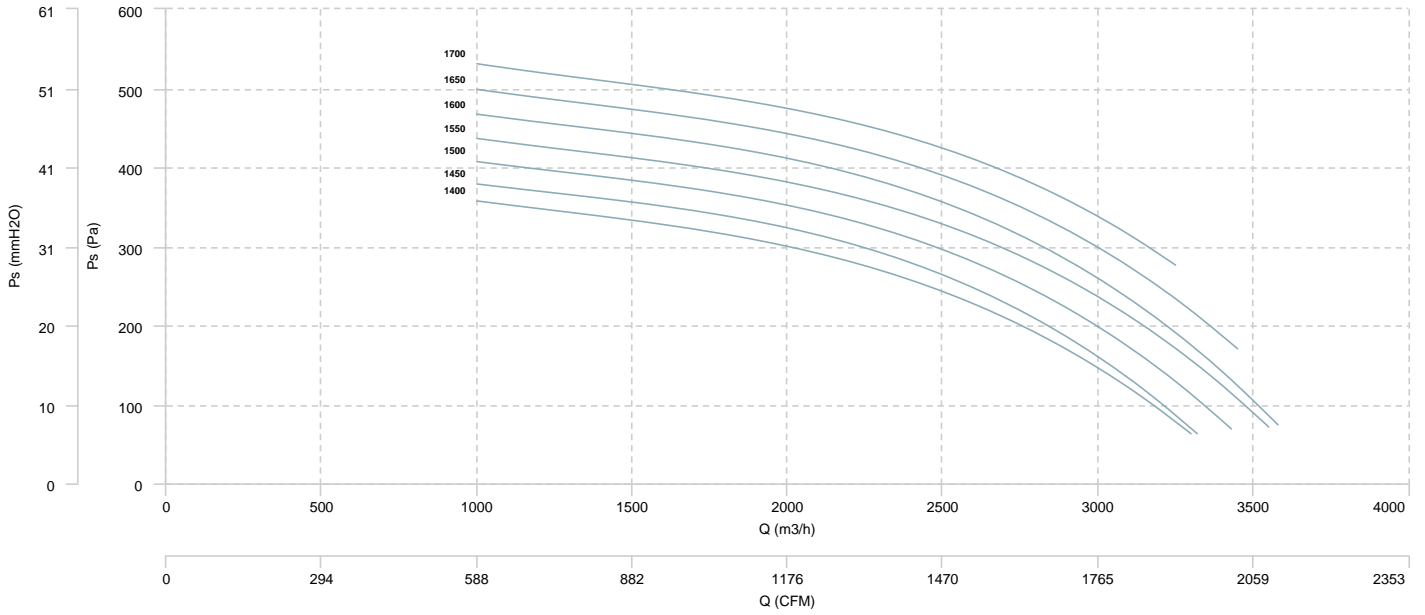


AIR FLOW - ABSORBED POWER

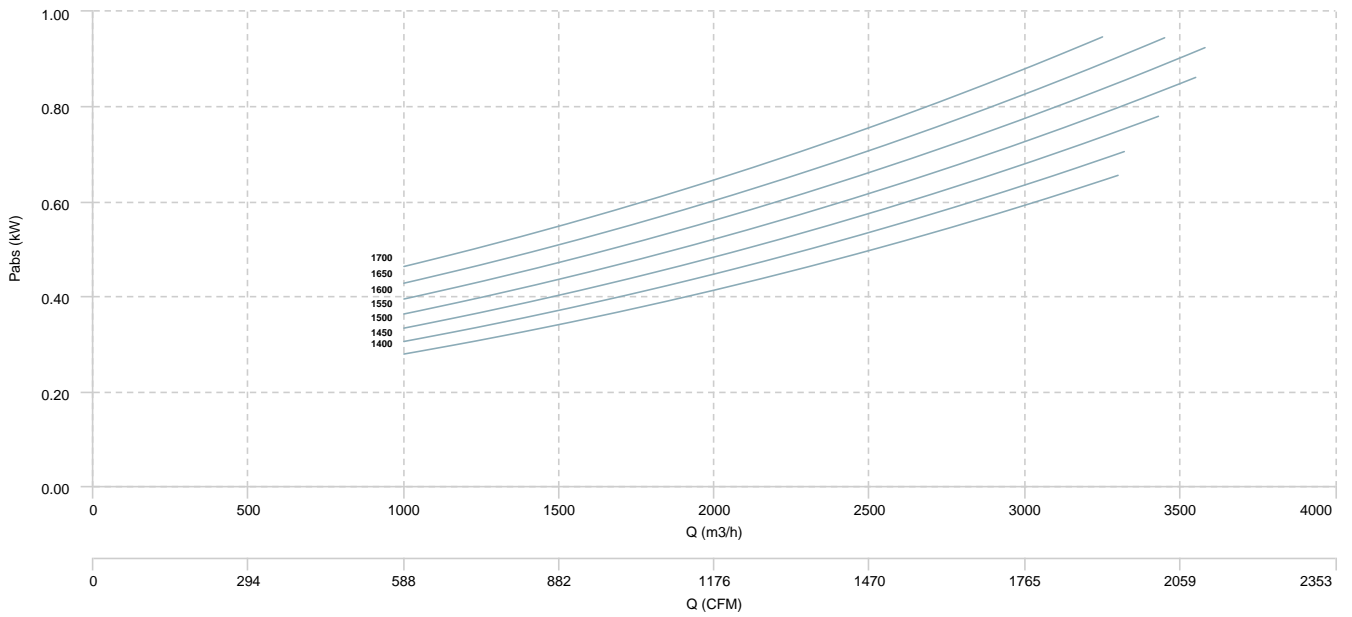


BOX BV PLUS 9/9 0,75kW

AIR FLOW - PRESSURE

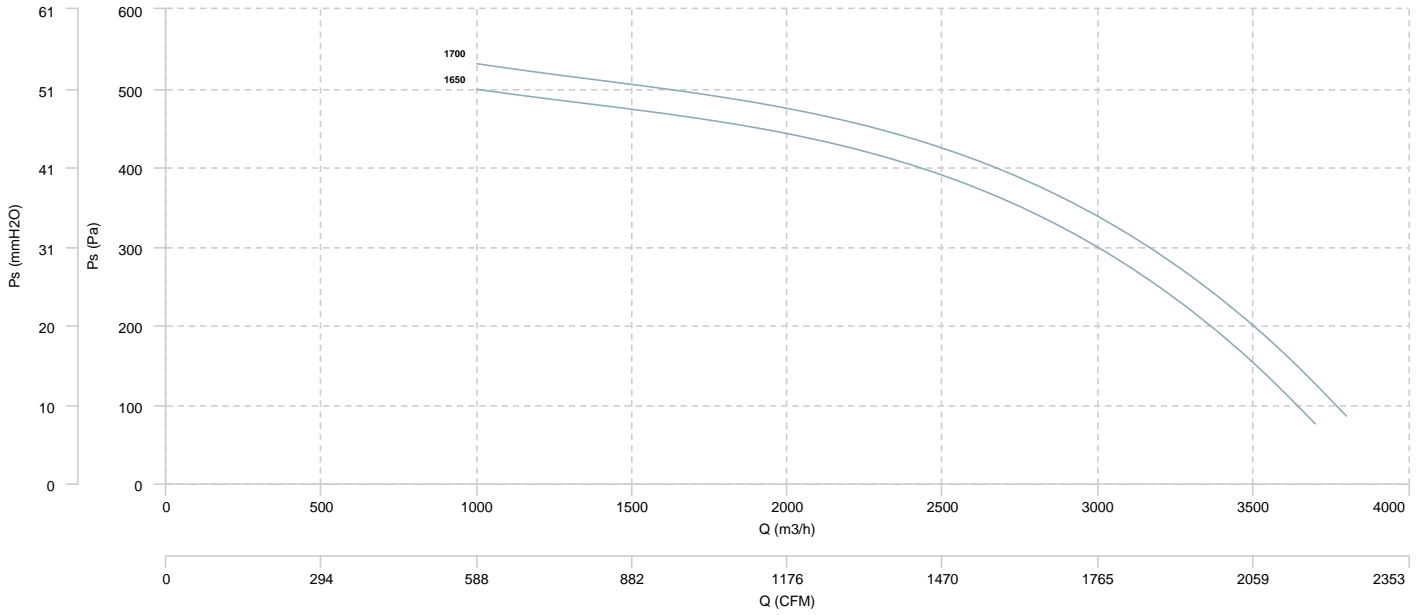


AIR FLOW - ABSORBED POWER

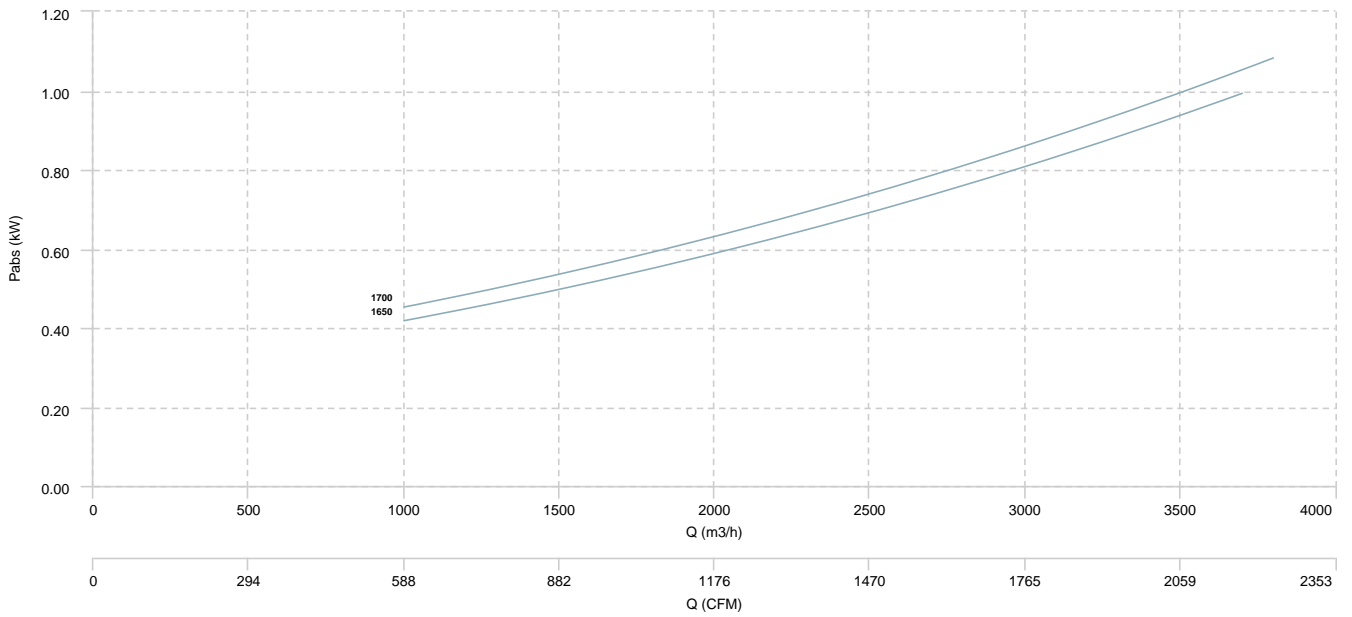


BOX BV PLUS 9/9 1,1kW

AIR FLOW - PRESSURE

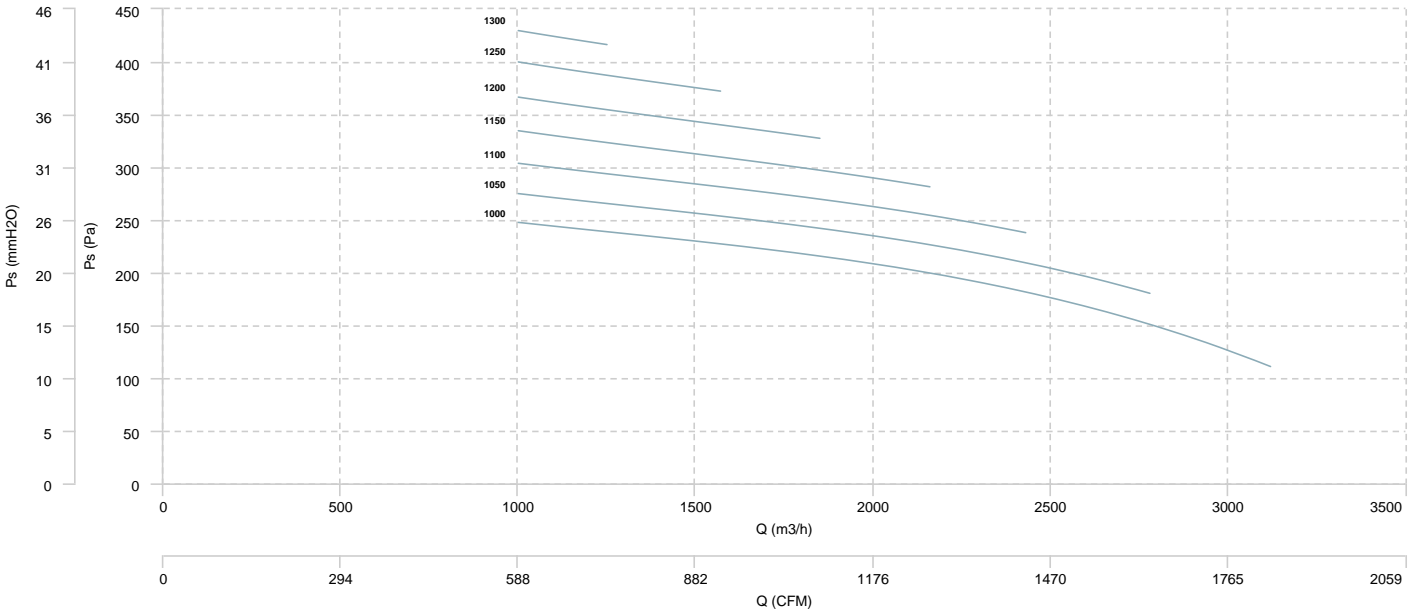


AIR FLOW - ABSORBED POWER

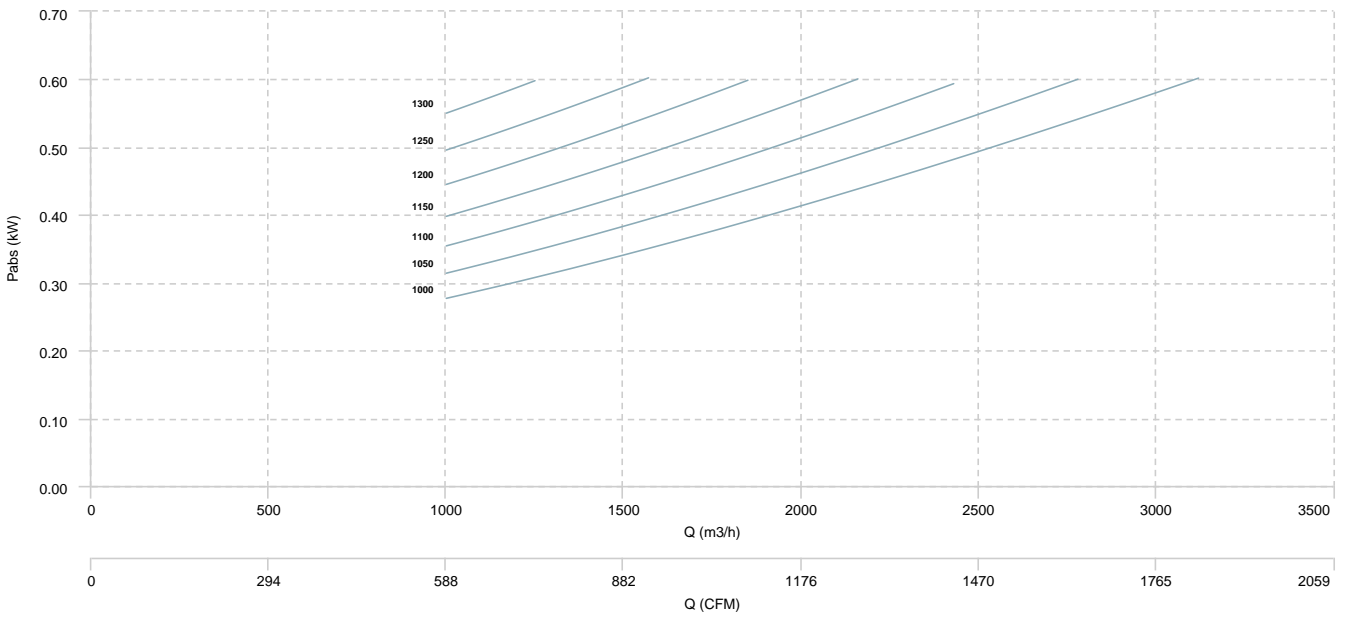


BOX BV PLUS 10/10 0,37kW

AIR FLOW - PRESSURE

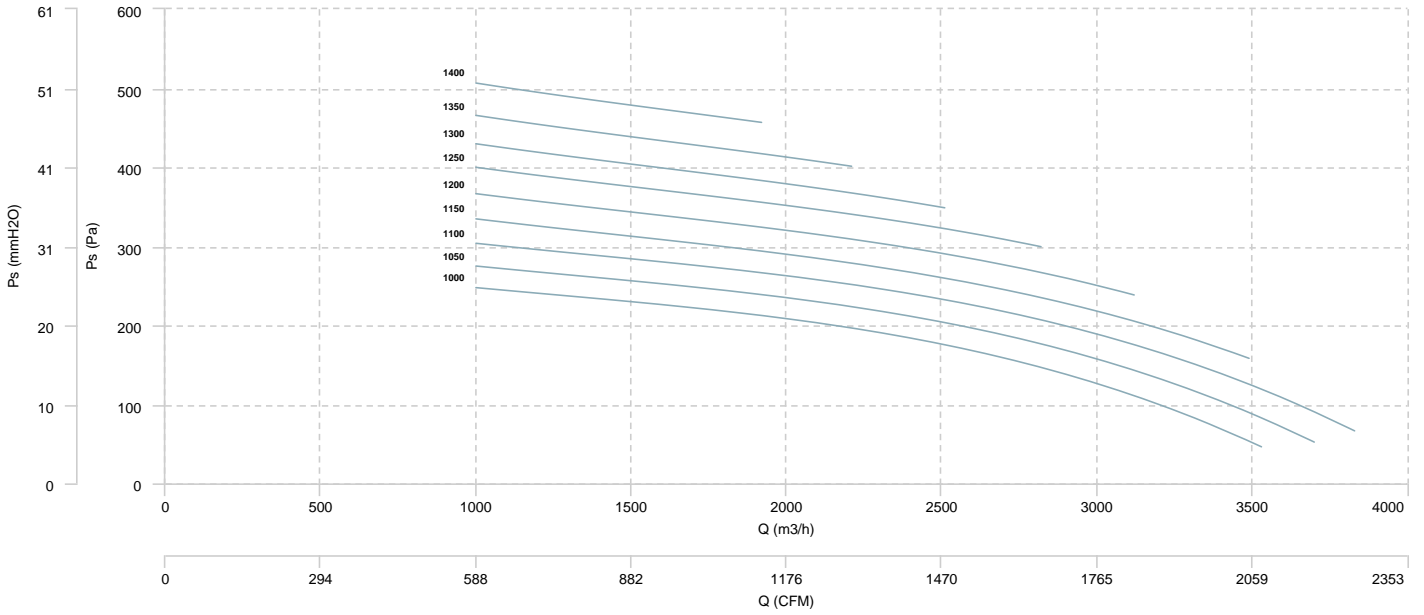


AIR FLOW - ABSORBED POWER

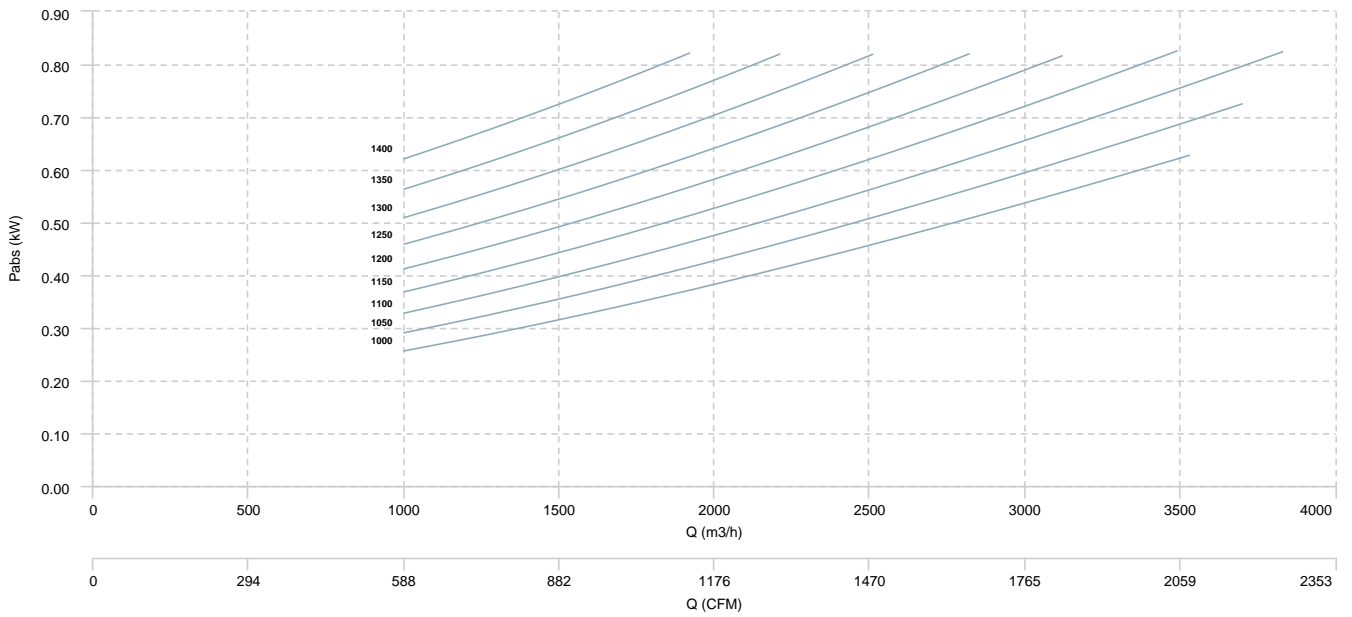


BOX BV PLUS 10/10 0,55kW

AIR FLOW - PRESSURE

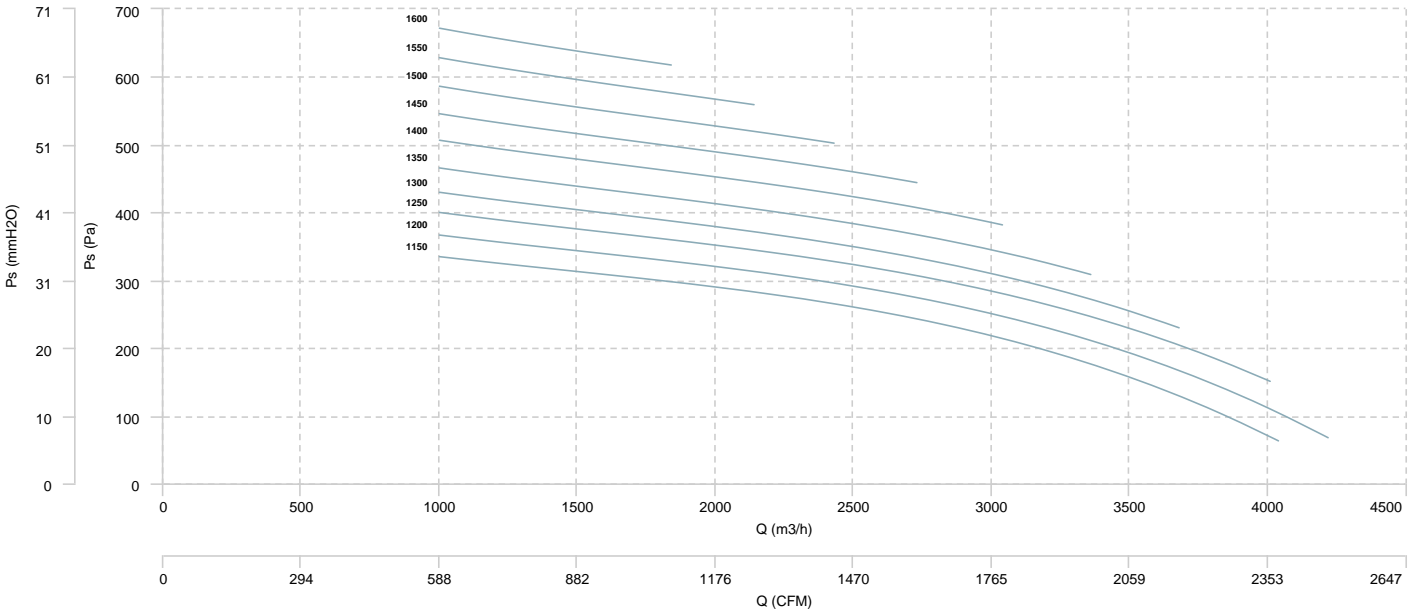


AIR FLOW - ABSORBED POWER

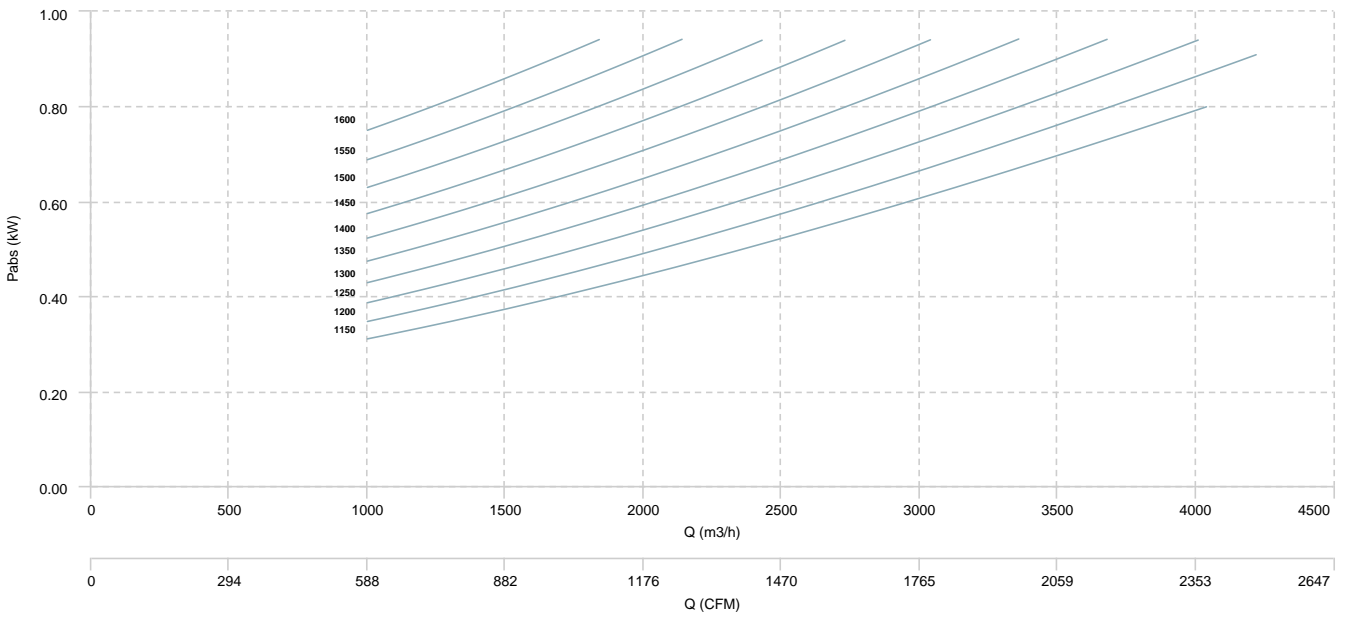


BOX BV PLUS 10/10 0,75kW

AIR FLOW - PRESSURE

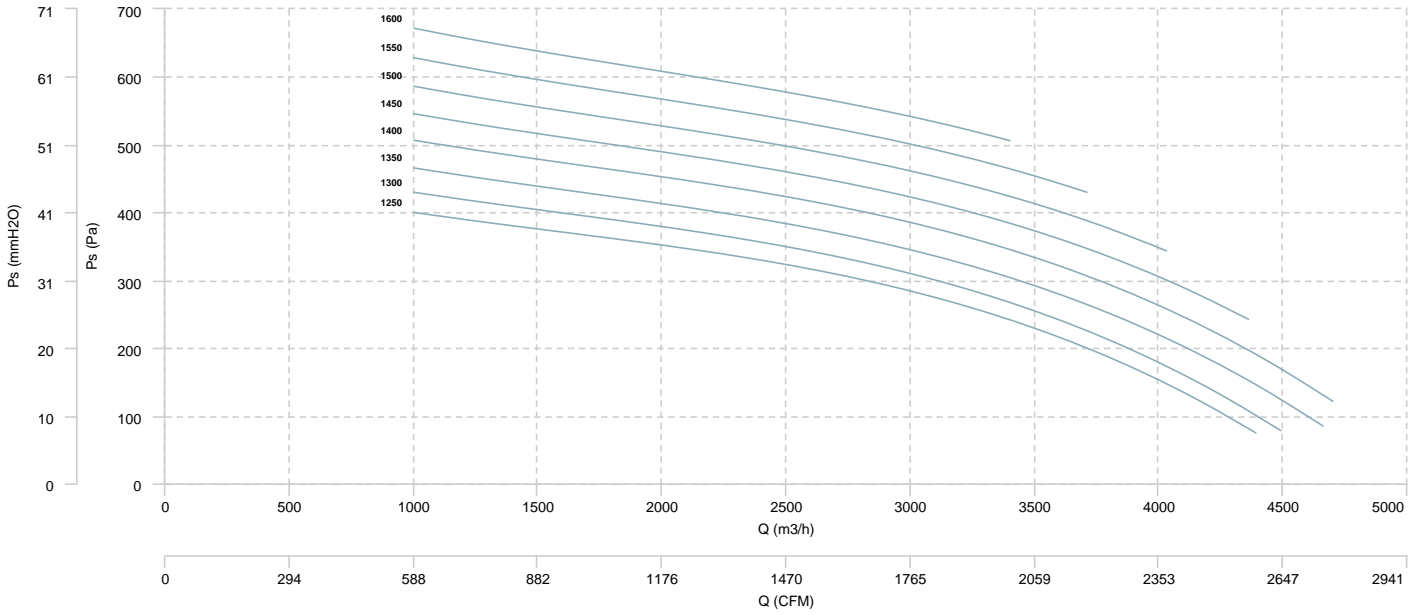


AIR FLOW - ABSORBED POWER

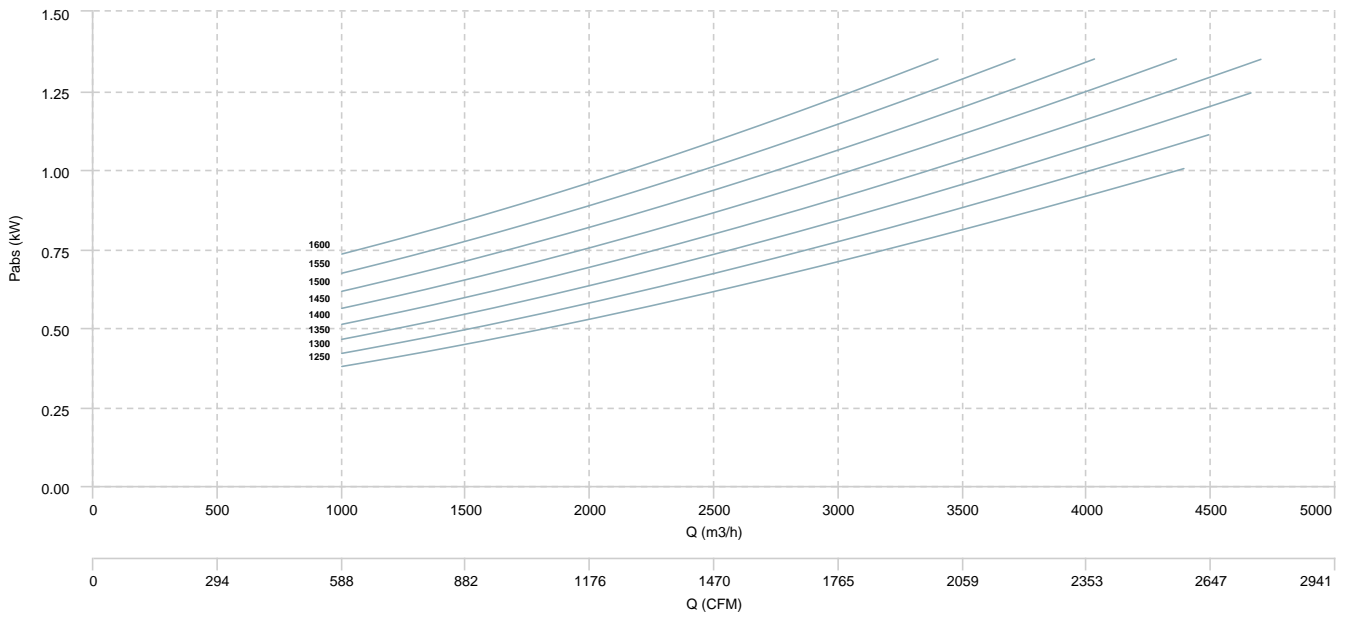


BOX BV PLUS 10/10 1,1kW

AIR FLOW - PRESSURE

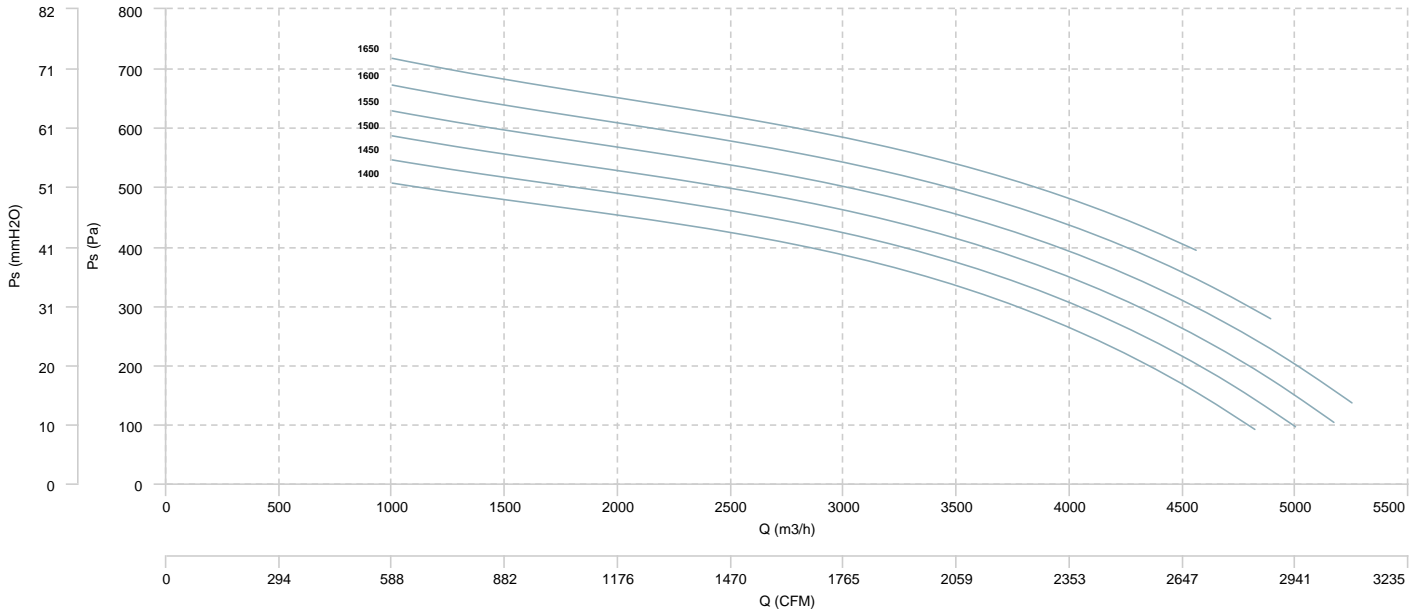


AIR FLOW - ABSORBED POWER

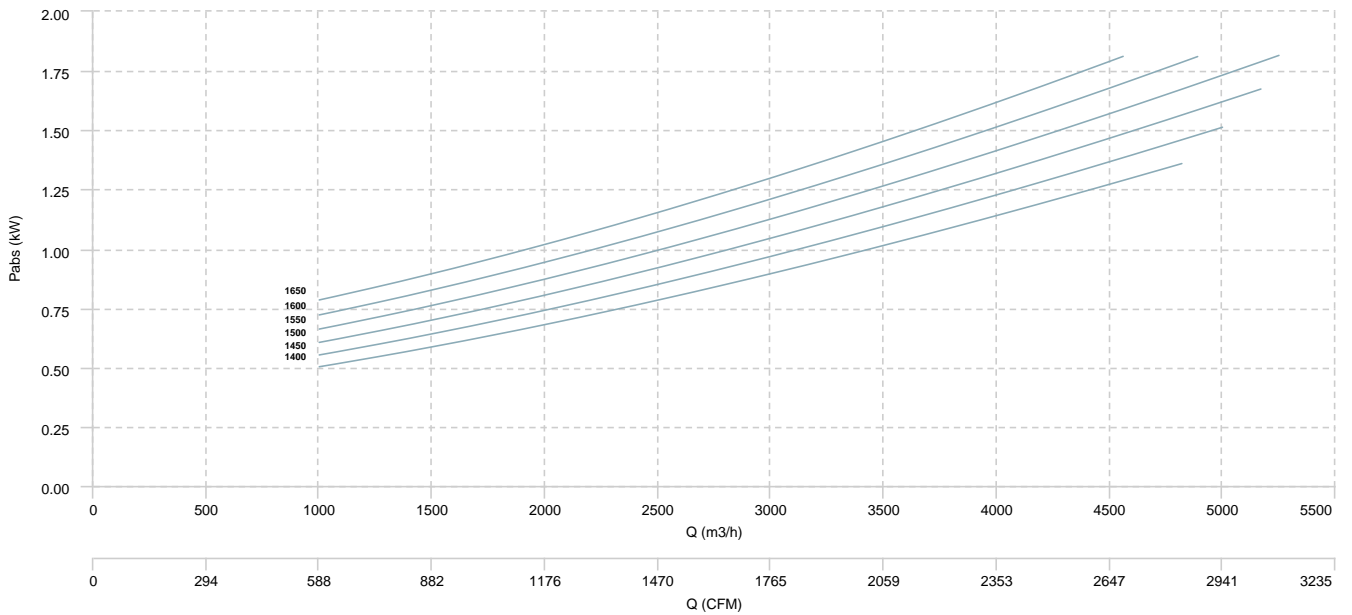


BOX BV PLUS 10/10 1,5kW

AIR FLOW - PRESSURE

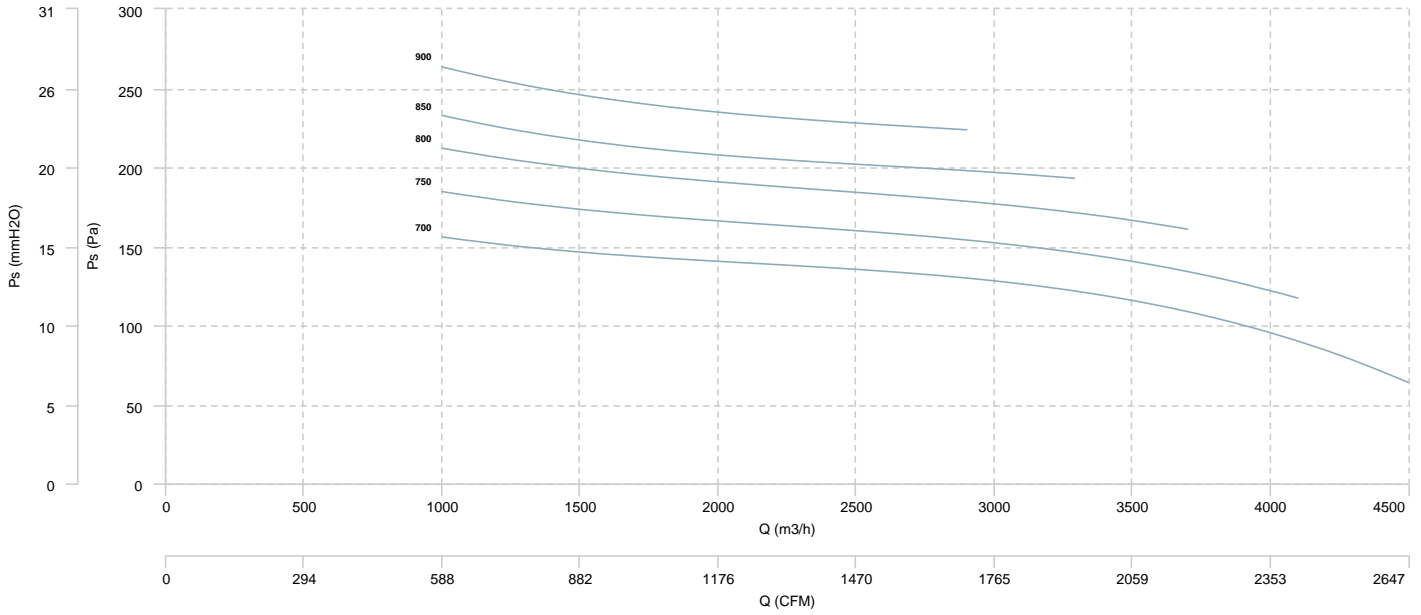


AIR FLOW - ABSORBED POWER

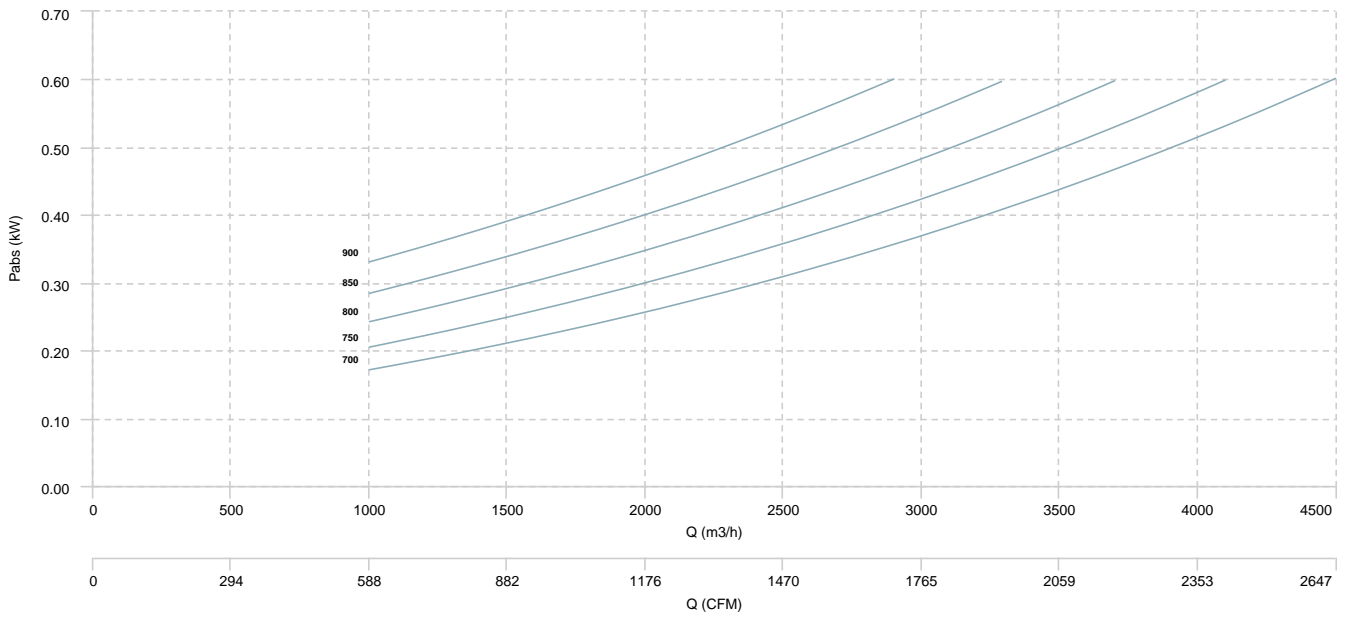


BOX BV PLUS 12/12 0,37kW

AIR FLOW - PRESSURE

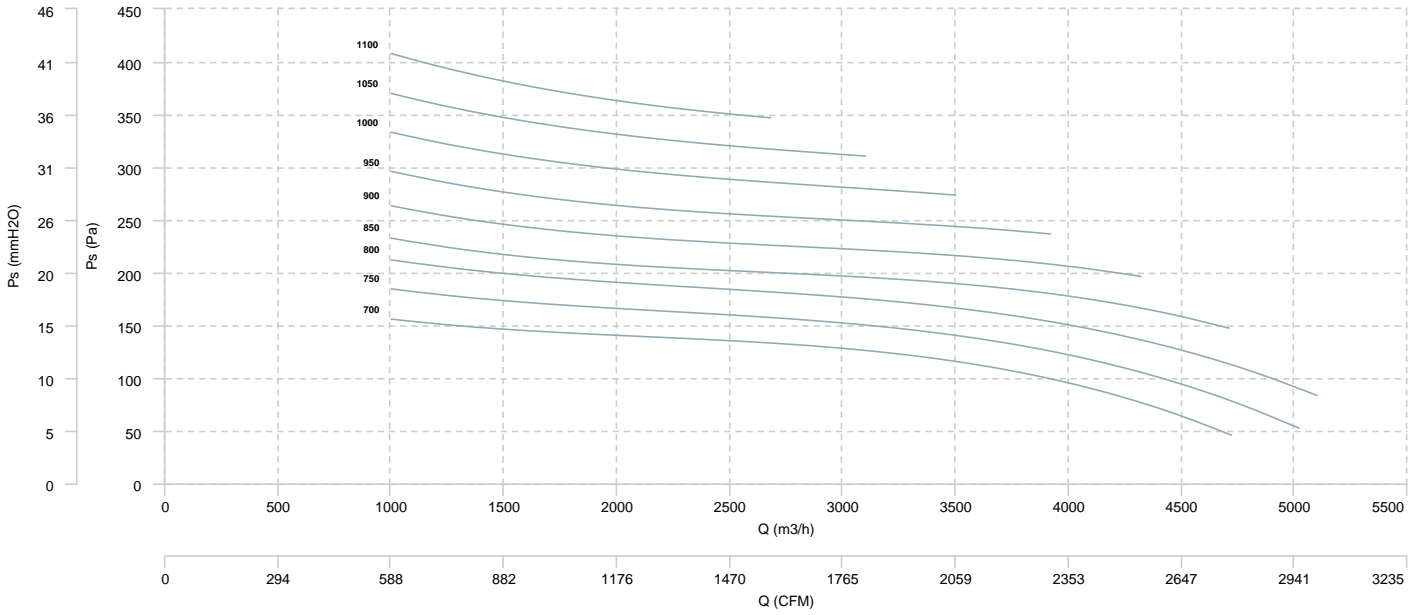


AIR FLOW - ABSORBED POWER

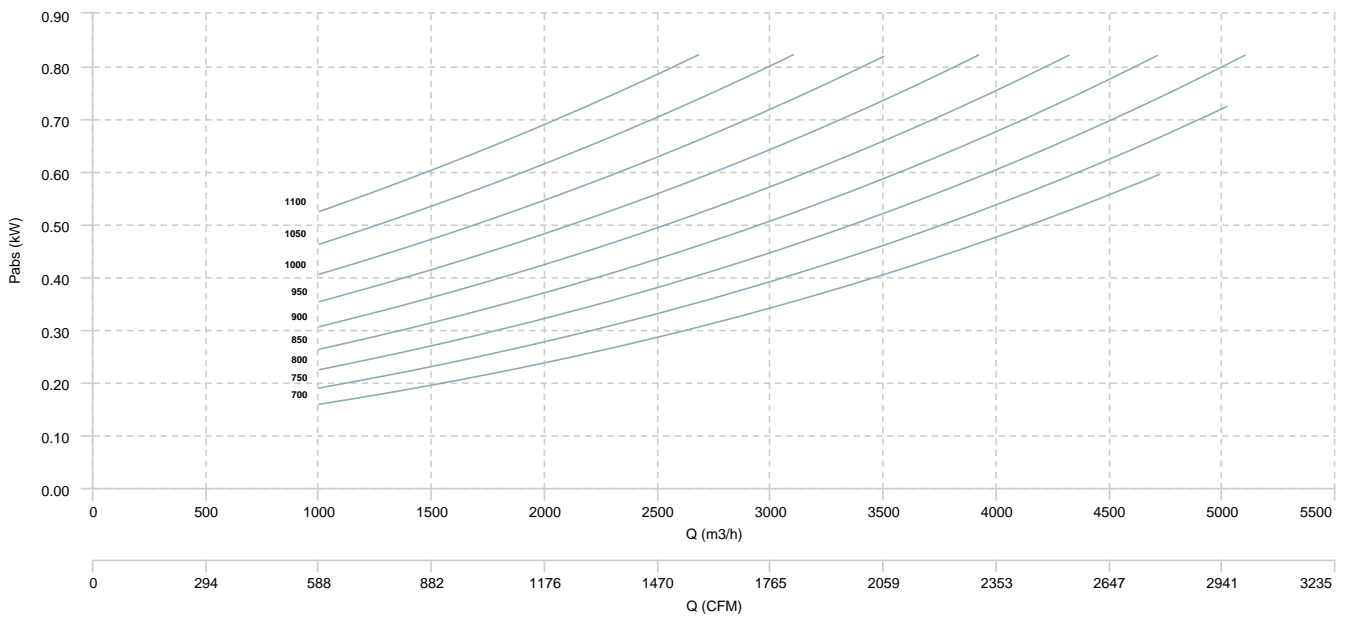


BOX BV PLUS 12/12 0,55kW

AIR FLOW - PRESSURE

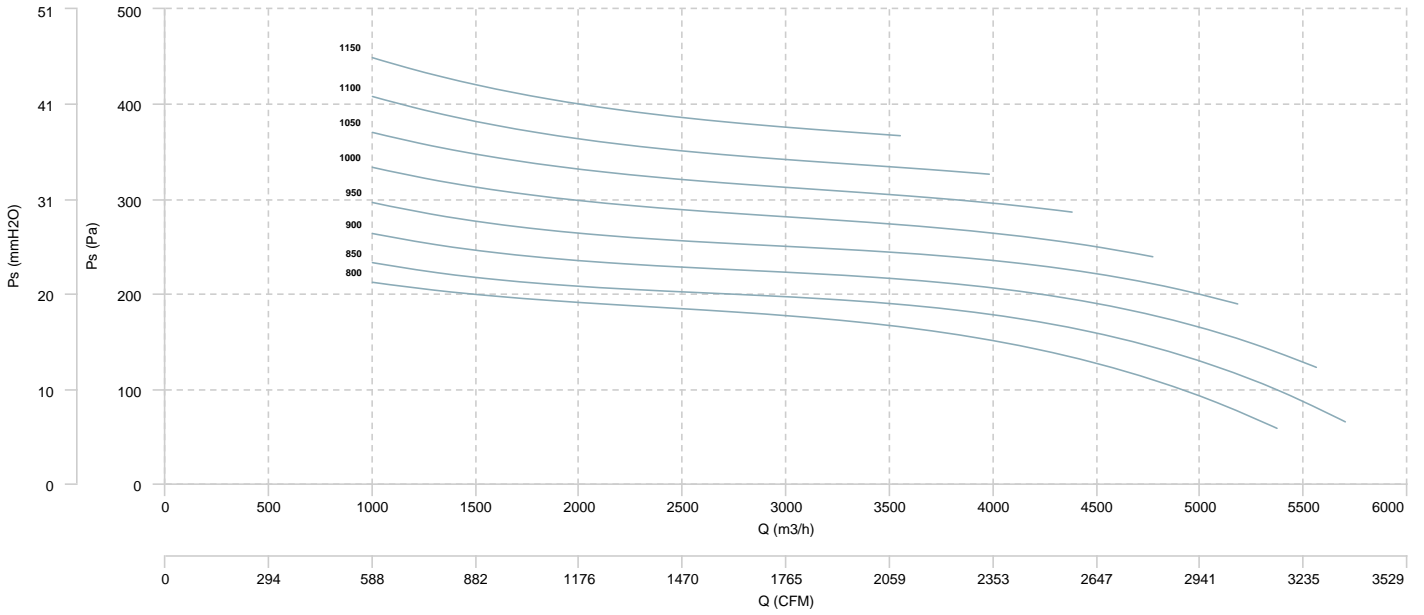


AIR FLOW - ABSORBED POWER

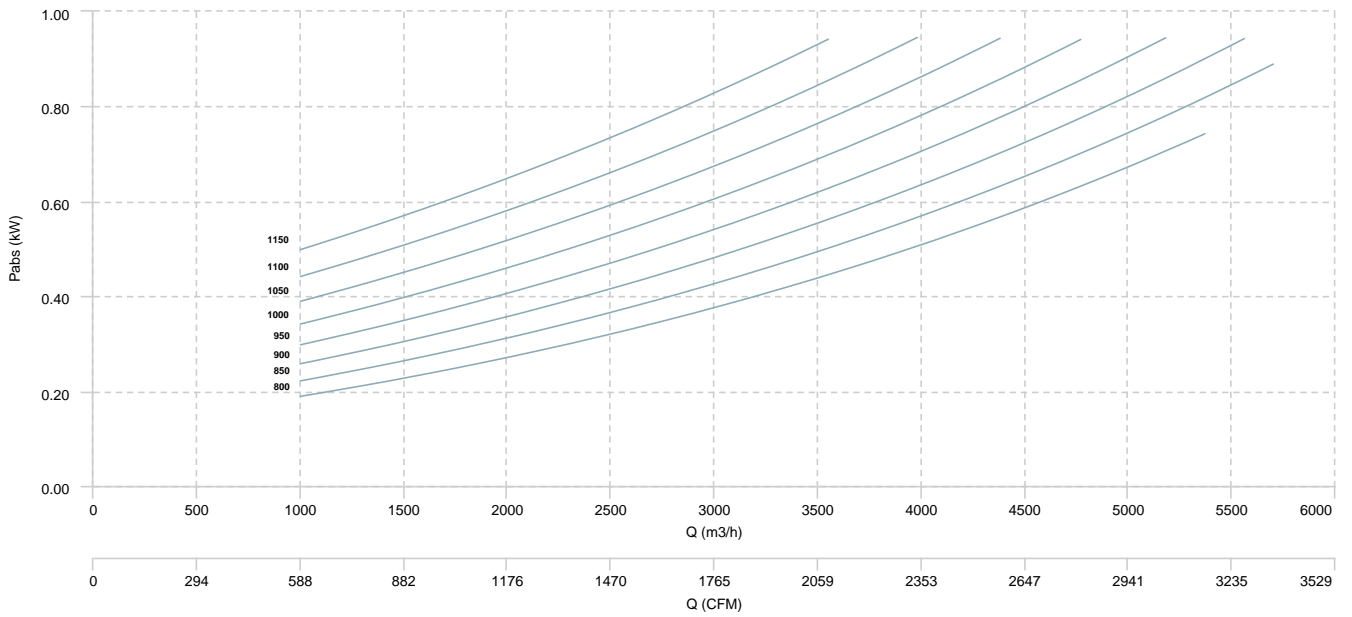


BOX BV PLUS 12/12 0,75kW

AIR FLOW - PRESSURE

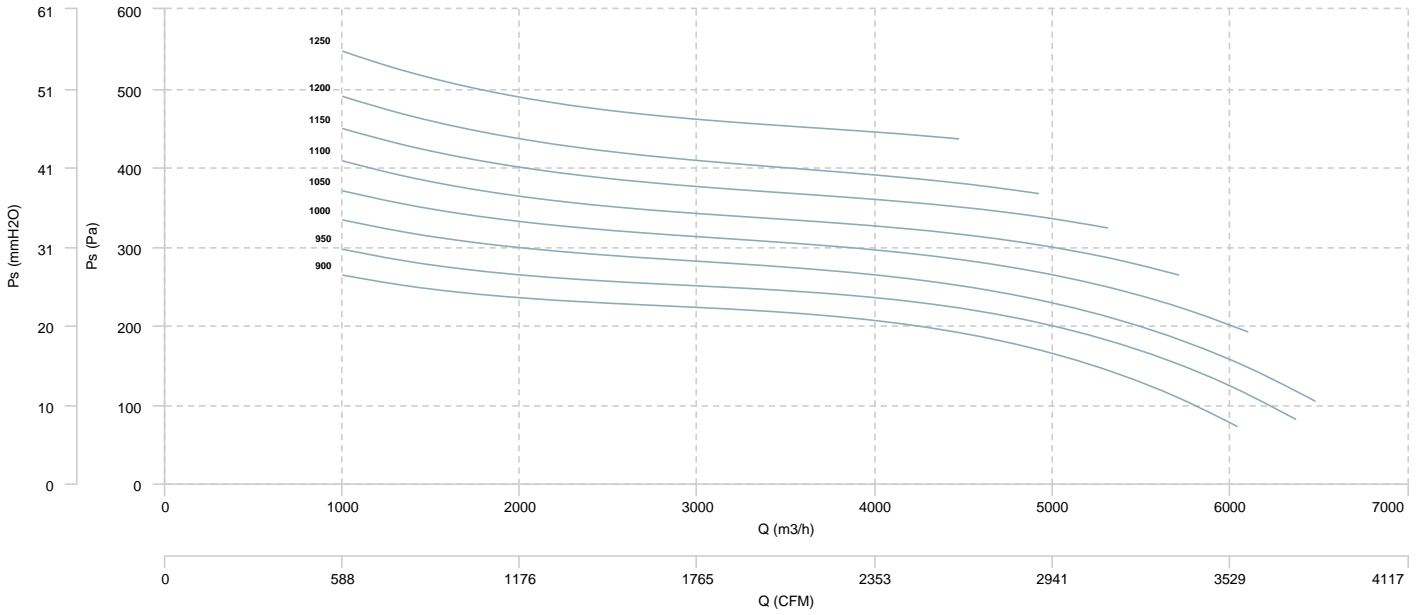


AIR FLOW - ABSORBED POWER

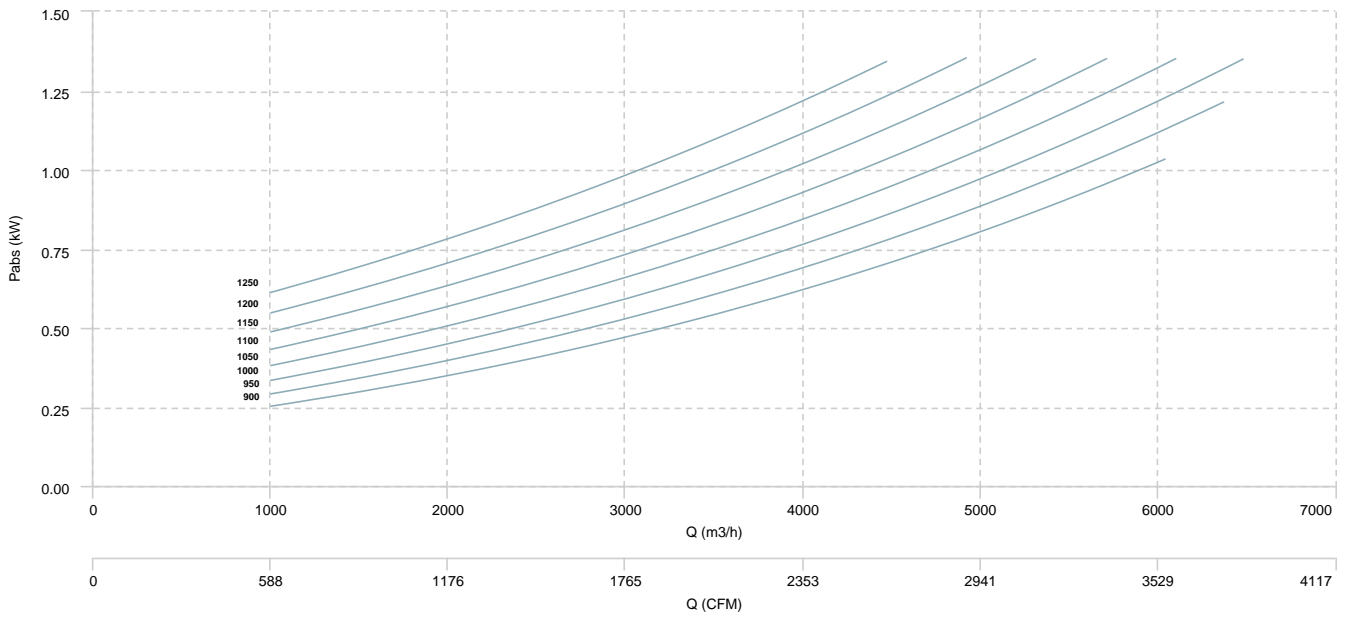


BOX BV PLUS 12/12 1,1kW

AIR FLOW - PRESSURE

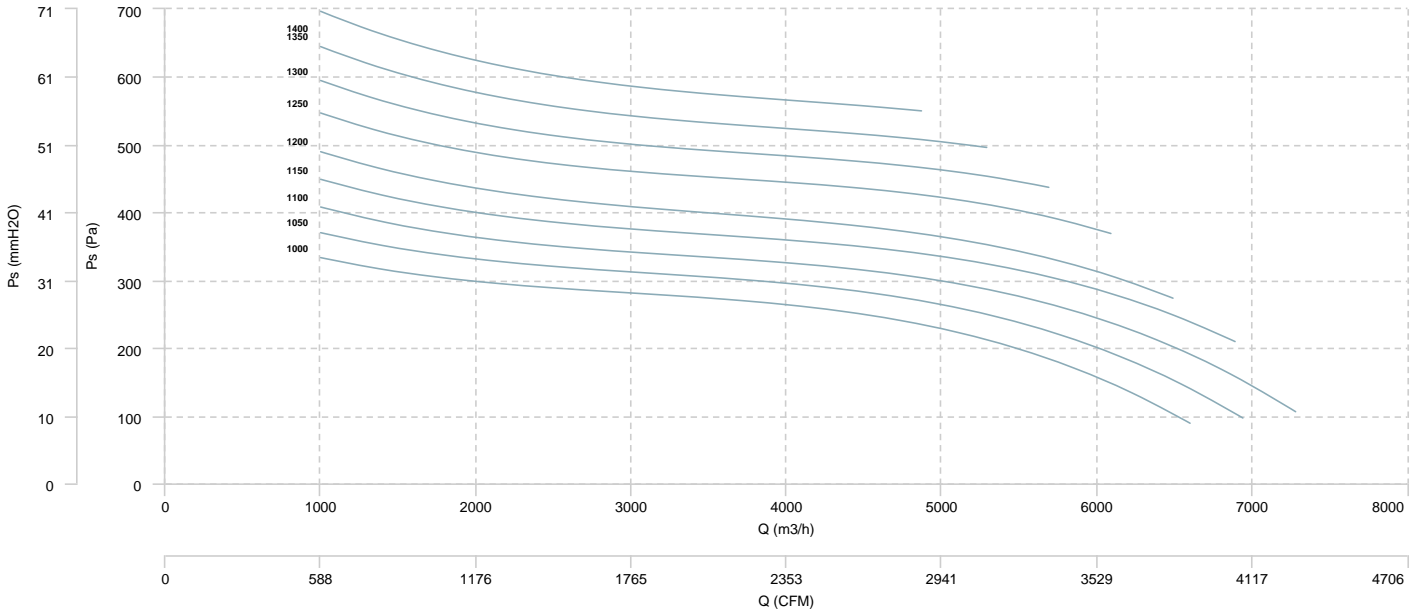


AIR FLOW - ABSORBED POWER

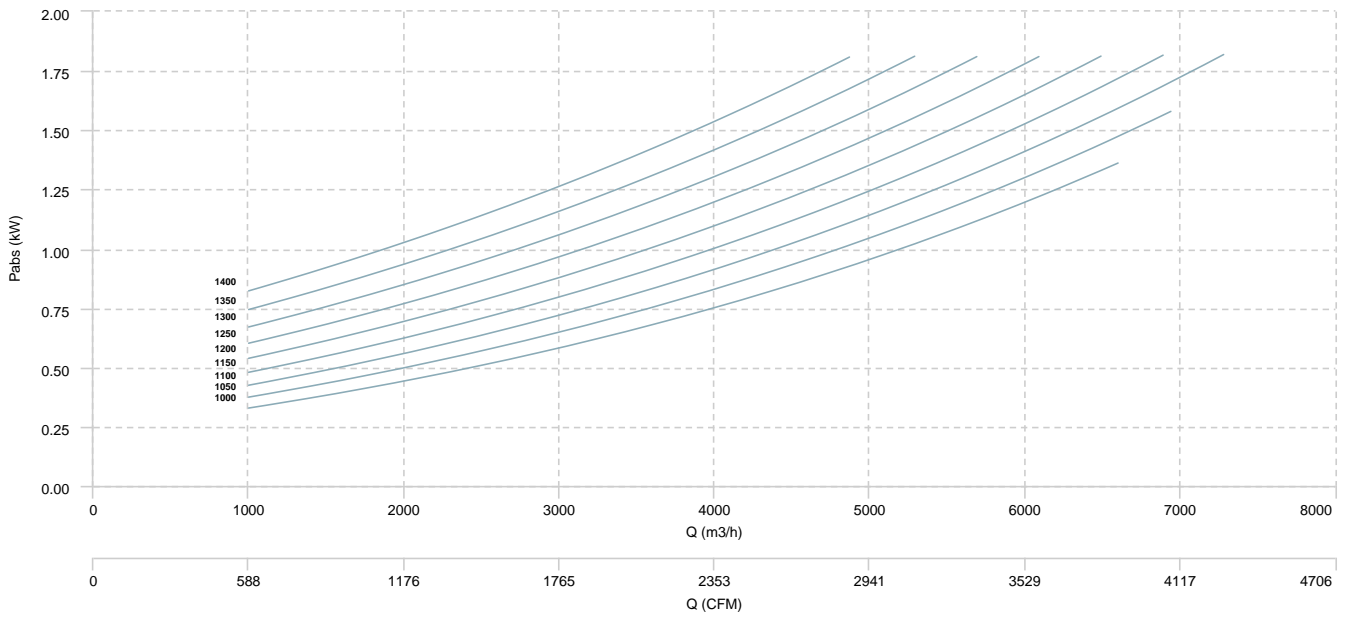


BOX BV PLUS 12/12 1,5kW

AIR FLOW - PRESSURE

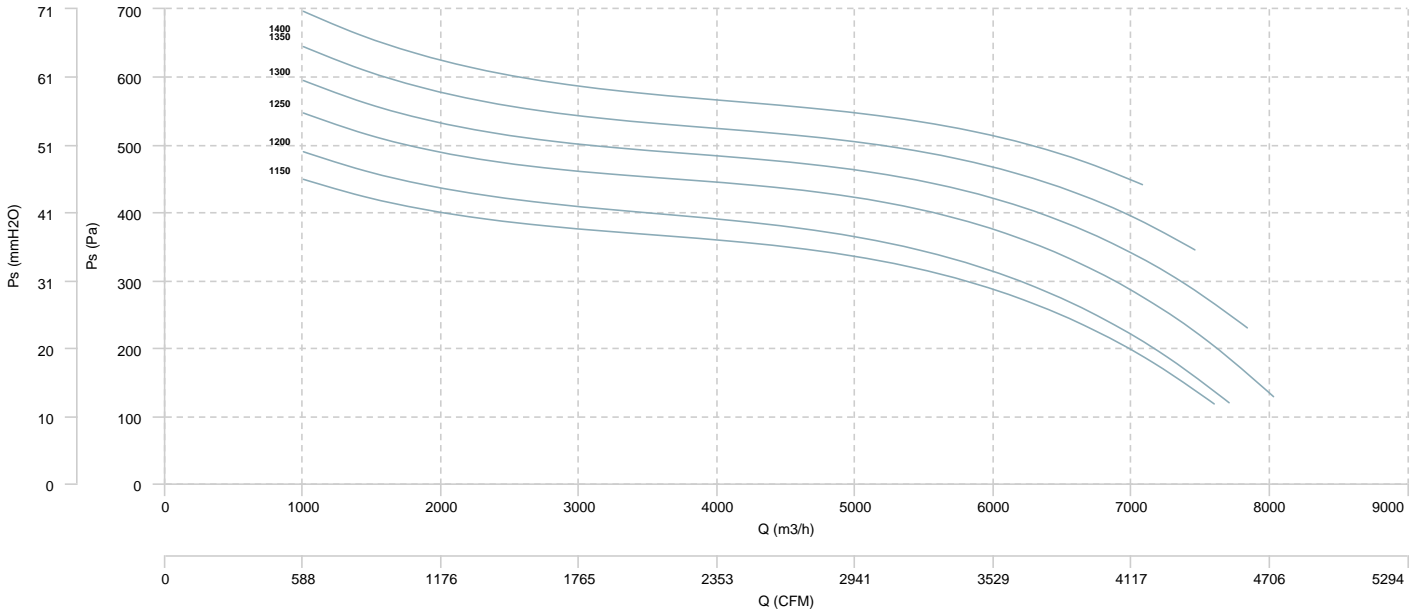


AIR FLOW - ABSORBED POWER

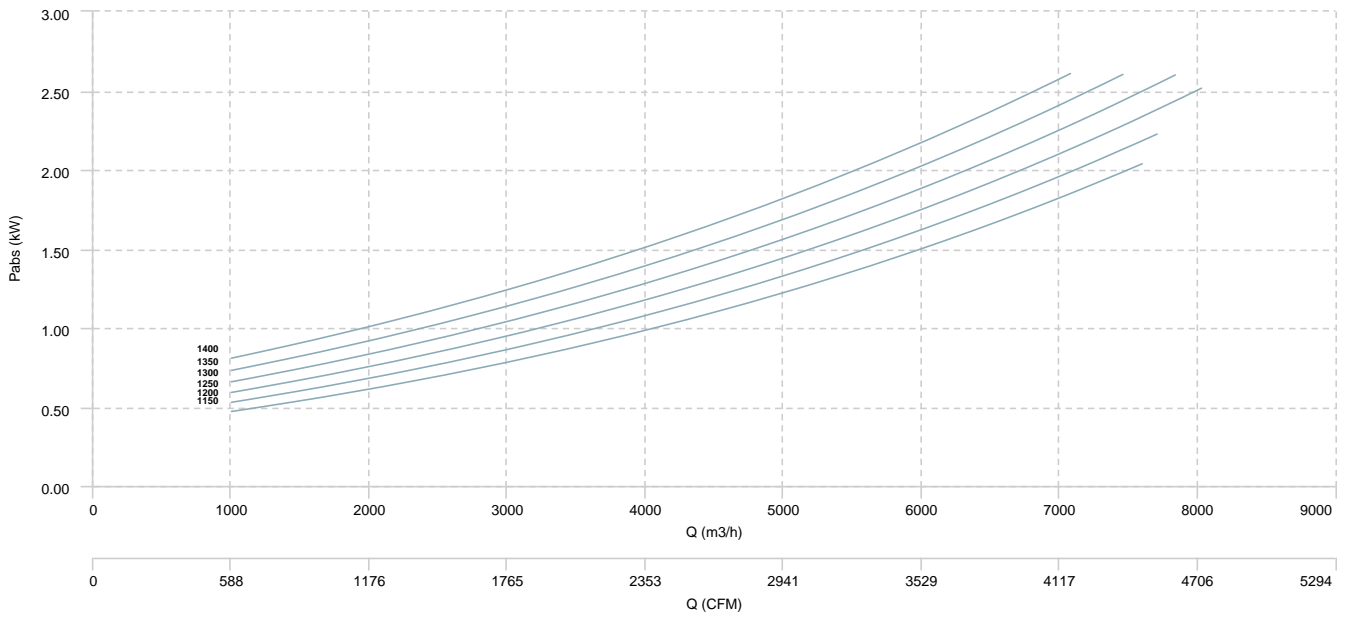


BOX BV PLUS 12/12 2,2kW

AIR FLOW - PRESSURE

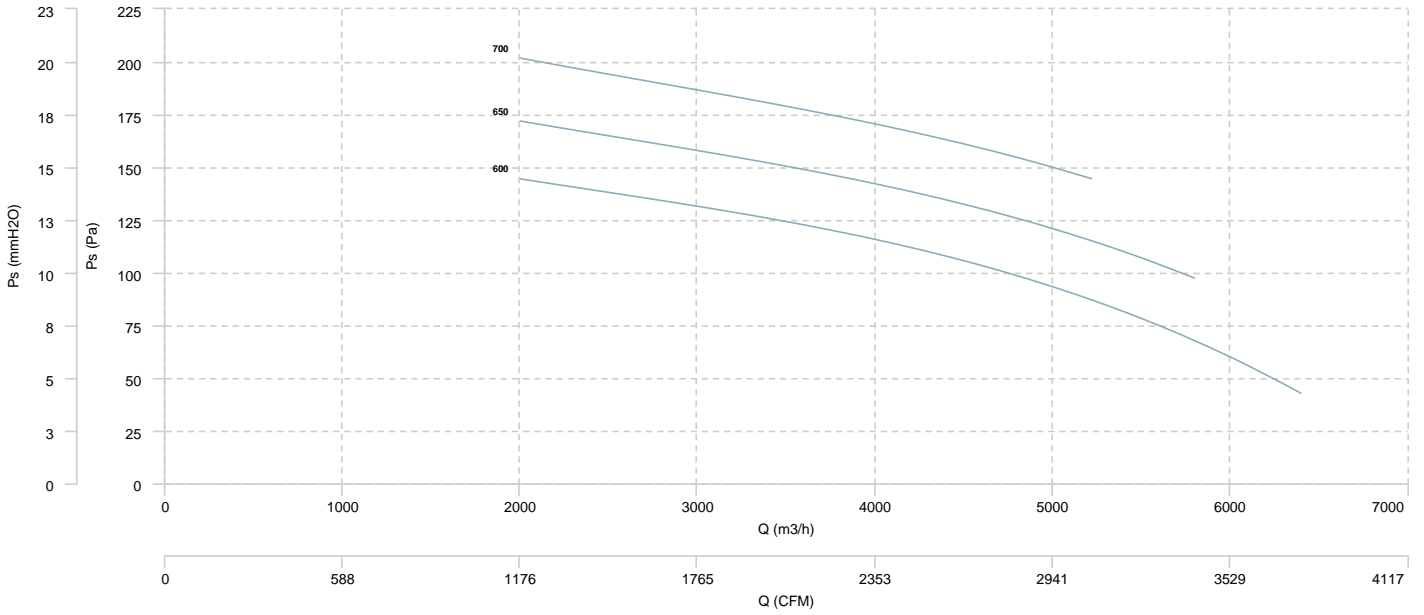


AIR FLOW - ABSORBED POWER

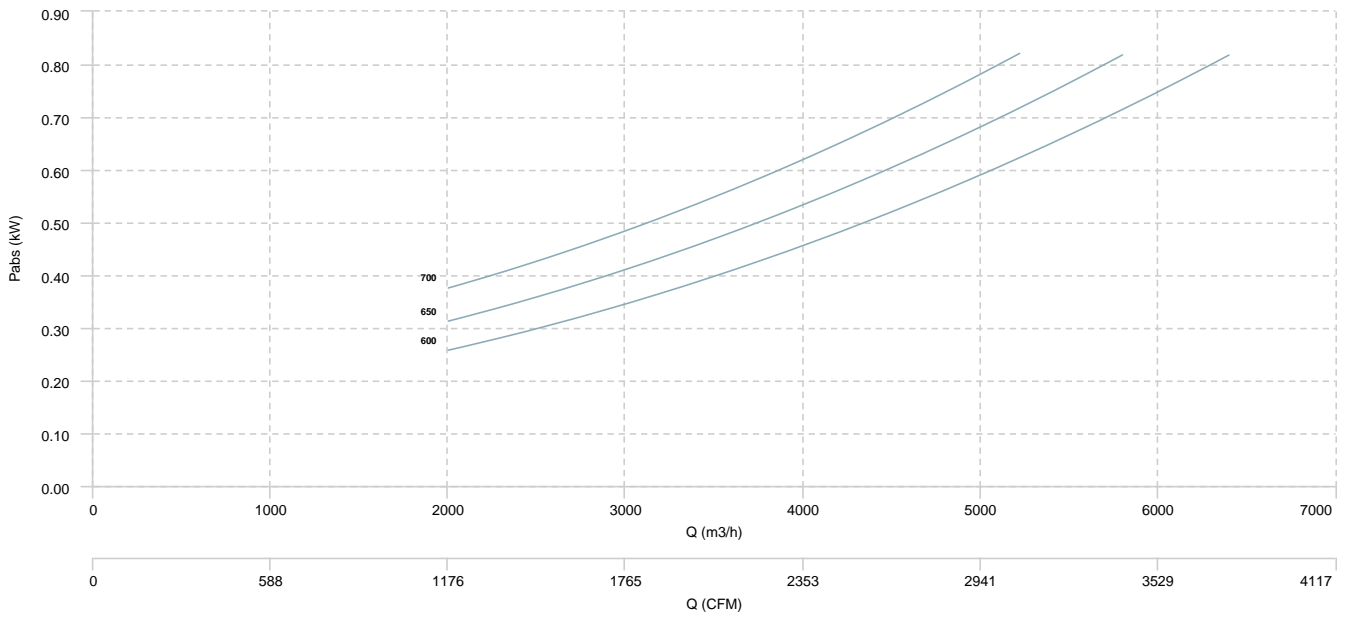


BOX BV PLUS 15/15 0,55kW

AIR FLOW - PRESSURE

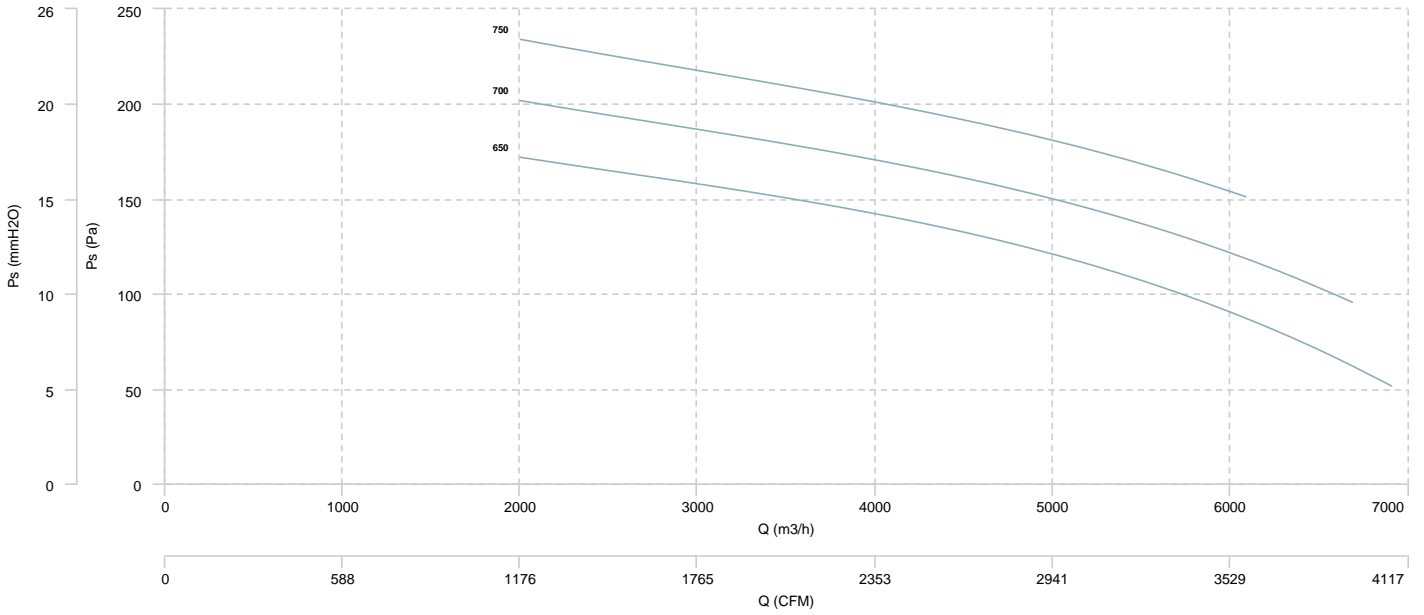


AIR FLOW - ABSORBED POWER

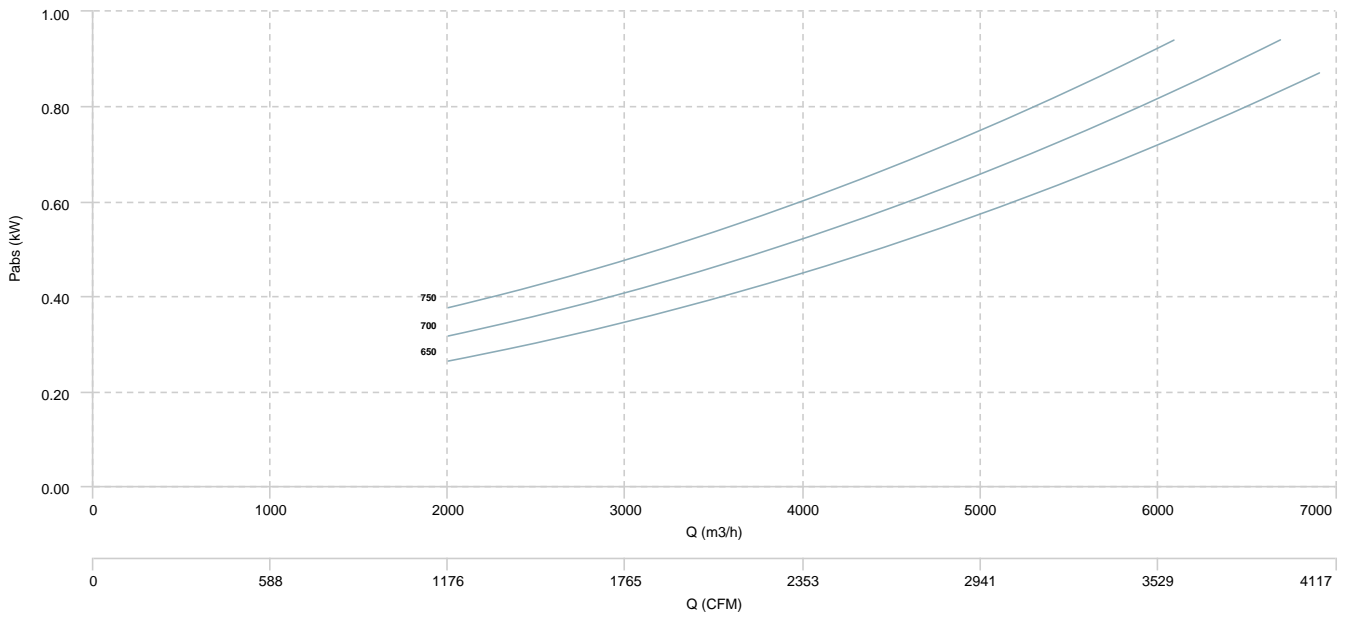


BOX BV PLUS 15/15 0,75kW

AIR FLOW - PRESSURE

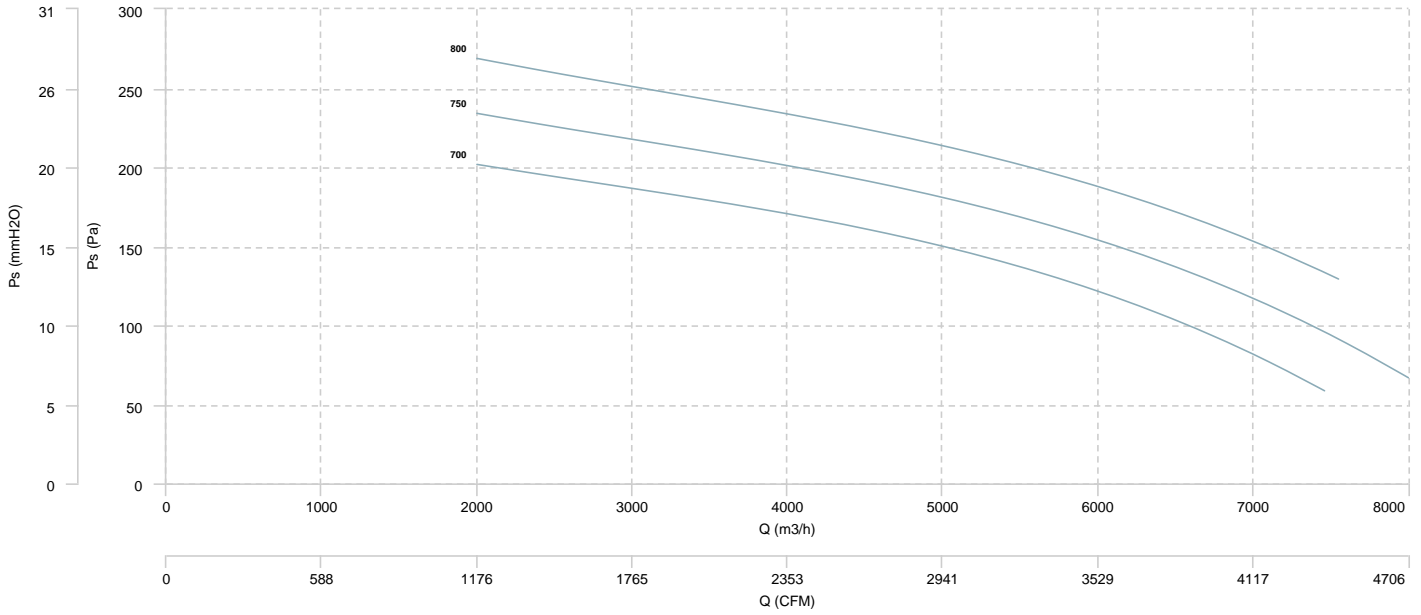


AIR FLOW - ABSORBED POWER

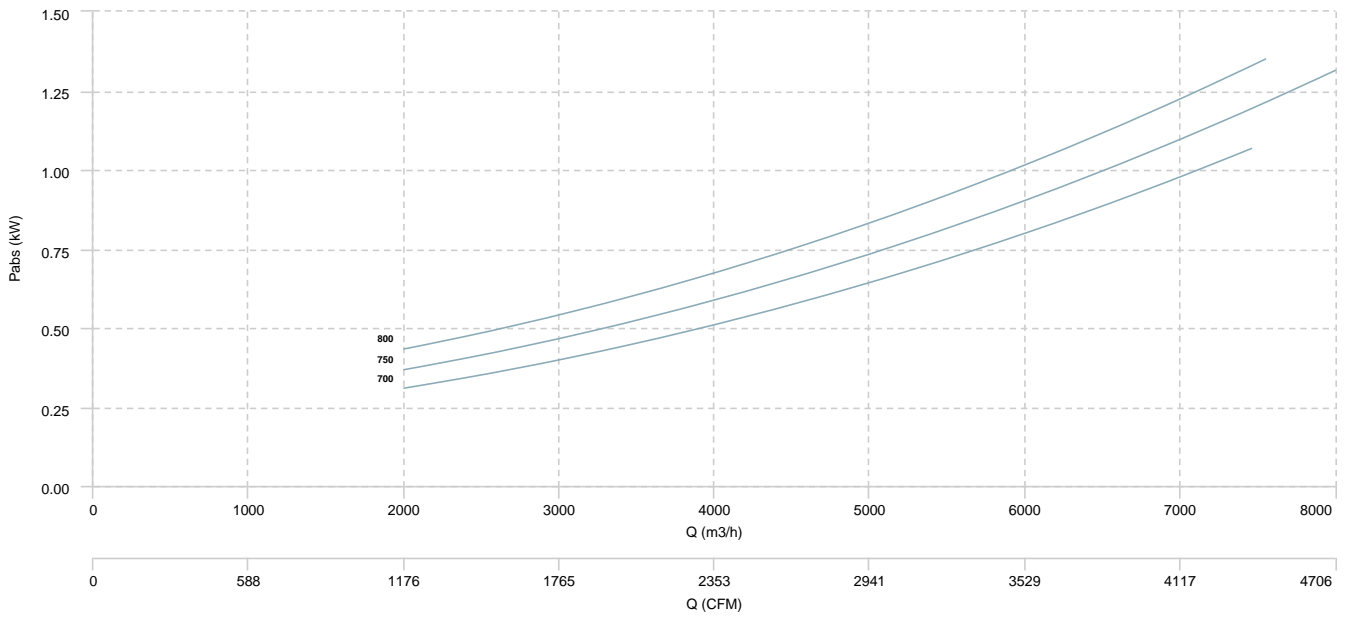


BOX BV PLUS 15/15 1,1kW

AIR FLOW - PRESSURE

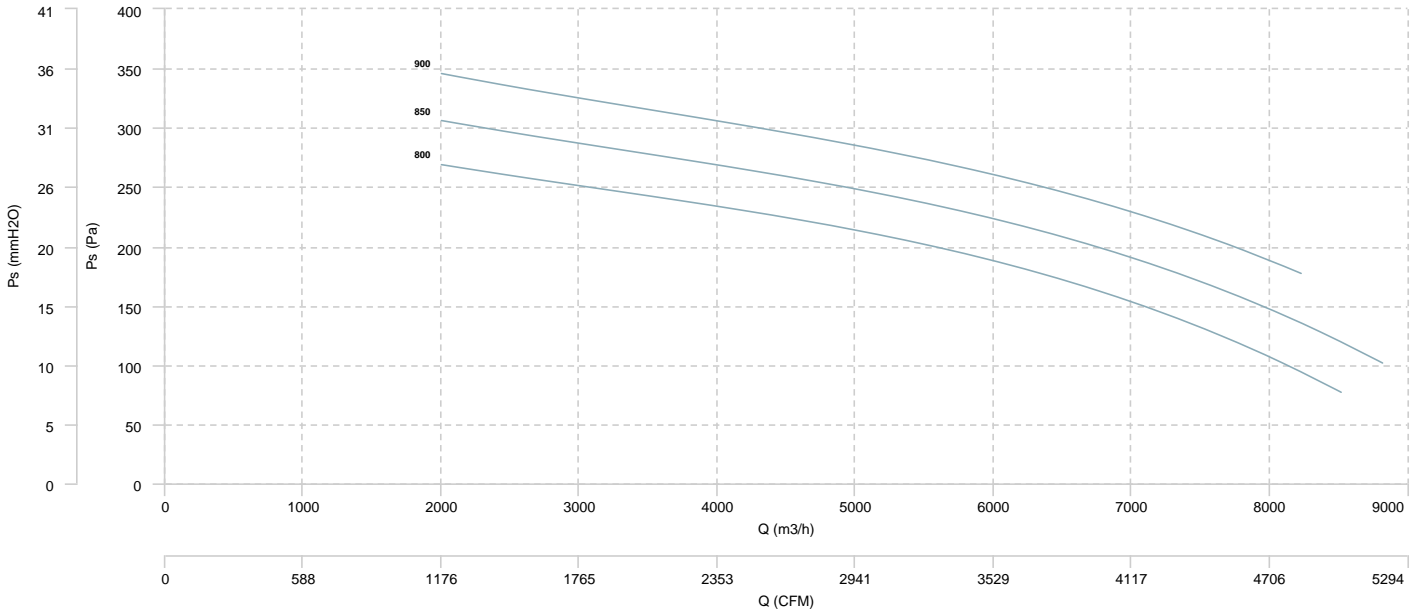


AIR FLOW - ABSORBED POWER

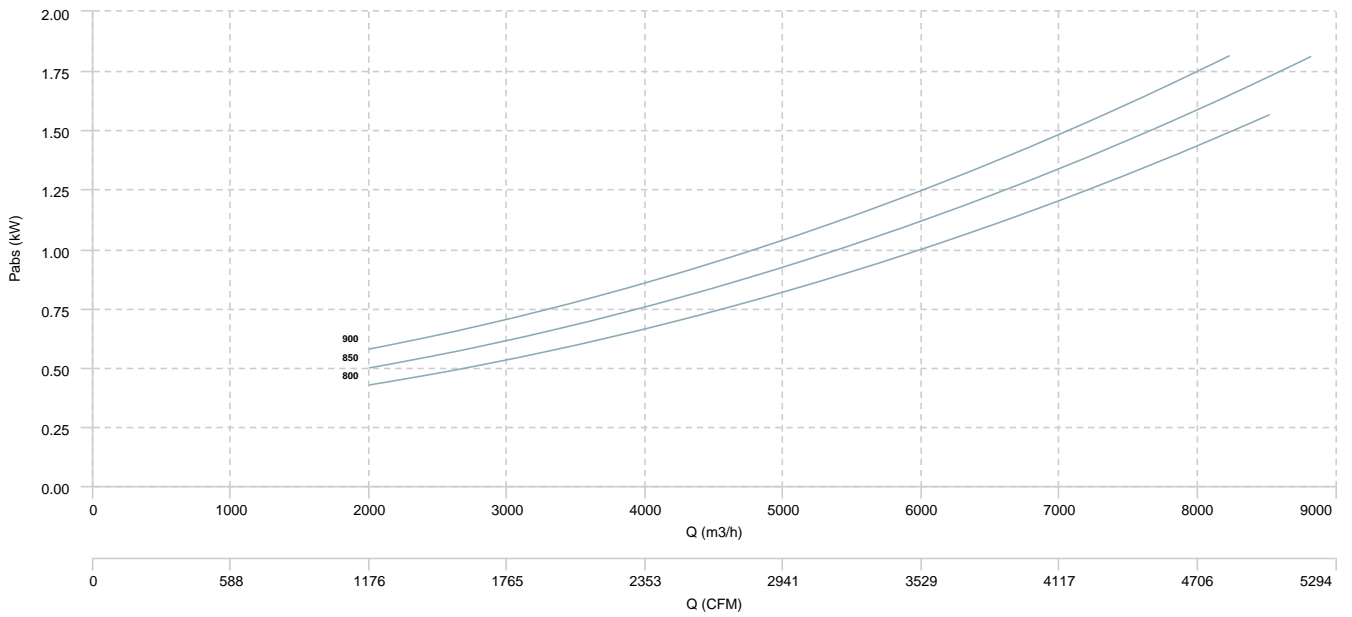


BOX BV PLUS 15/15 1,5kW

AIR FLOW - PRESSURE

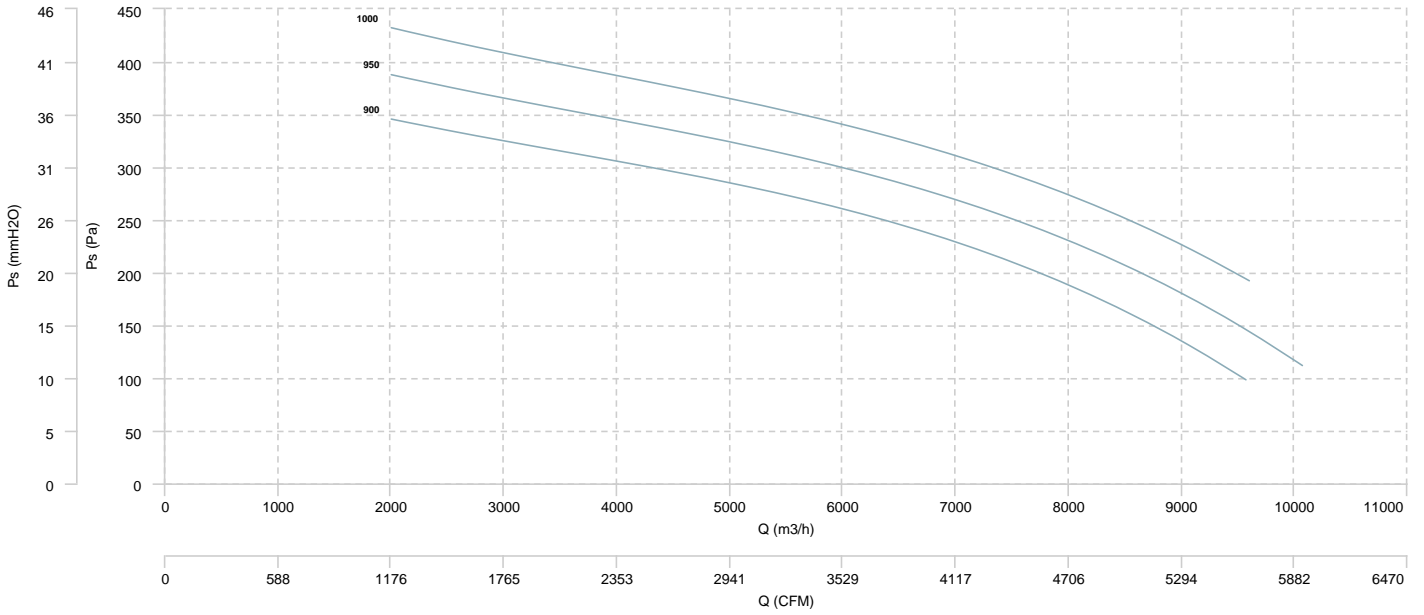


AIR FLOW - ABSORBED POWER

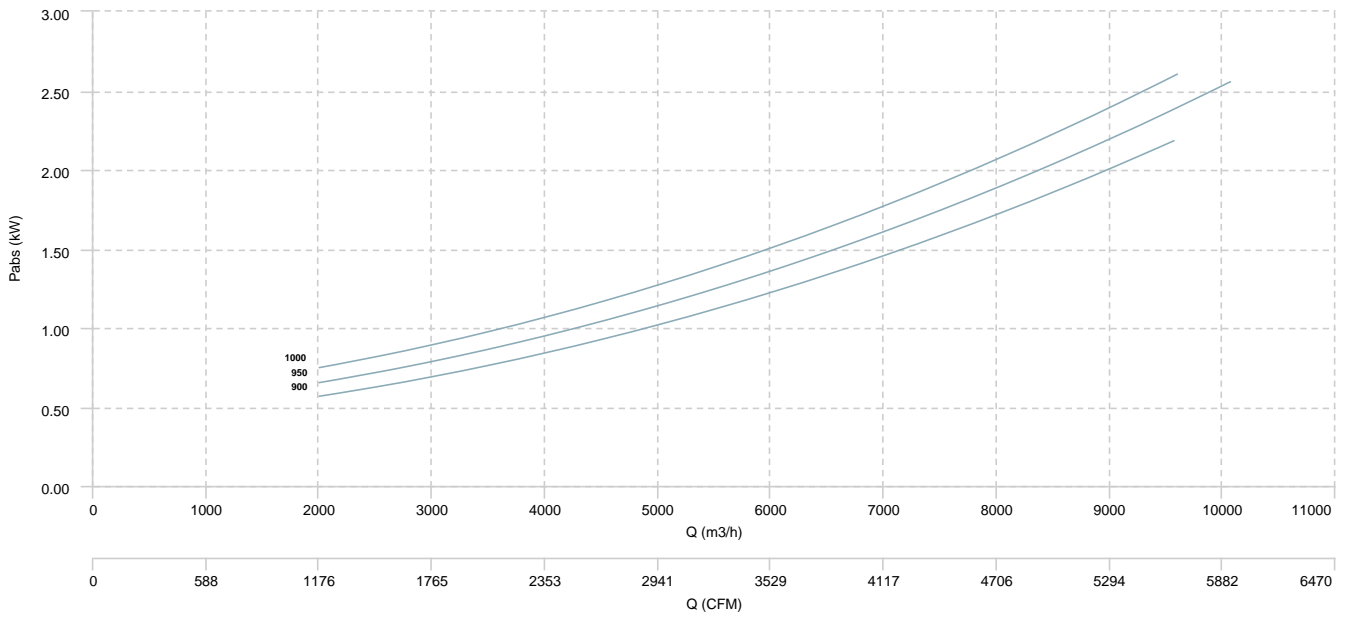


BOX BV PLUS 15/15 2,2kW

AIR FLOW - PRESSURE

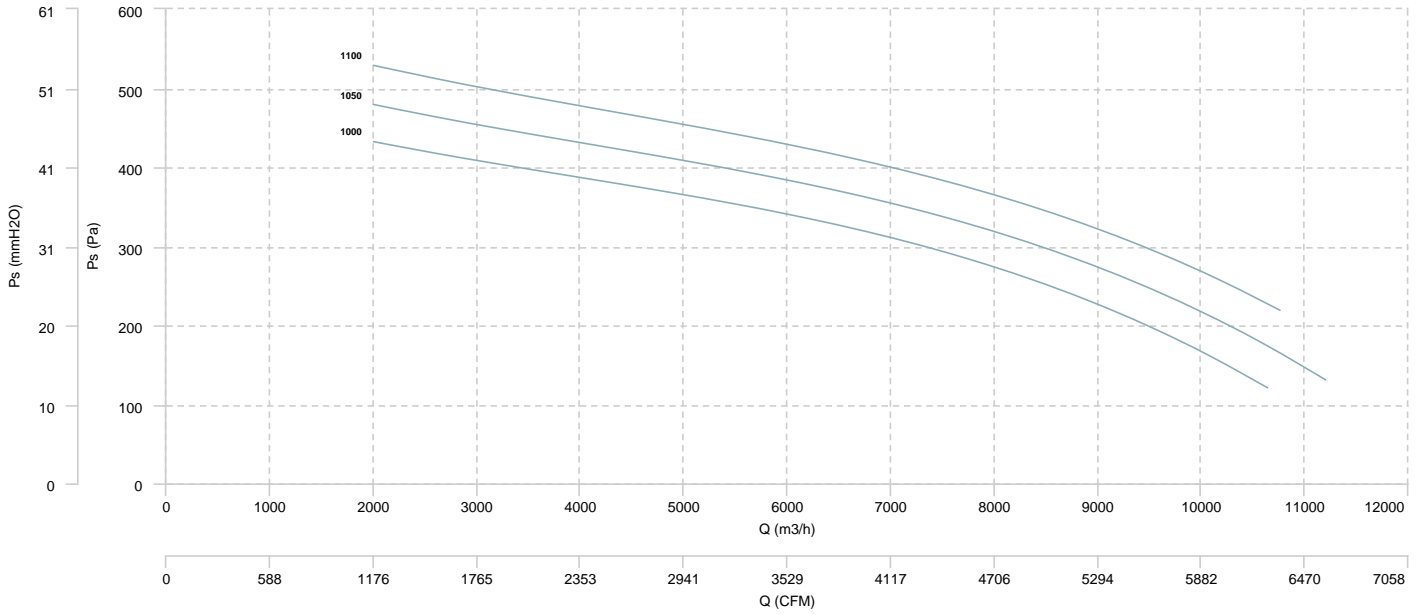


AIR FLOW - ABSORBED POWER

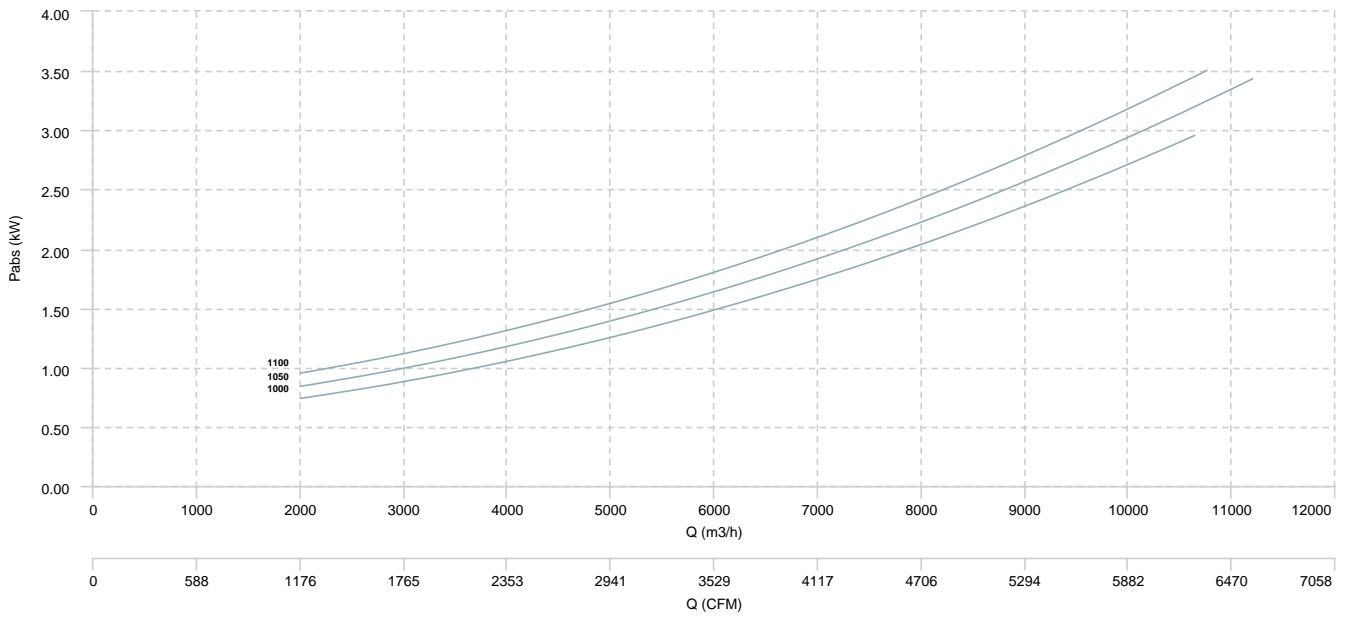


BOX BV PLUS 15/15 3kW

AIR FLOW - PRESSURE

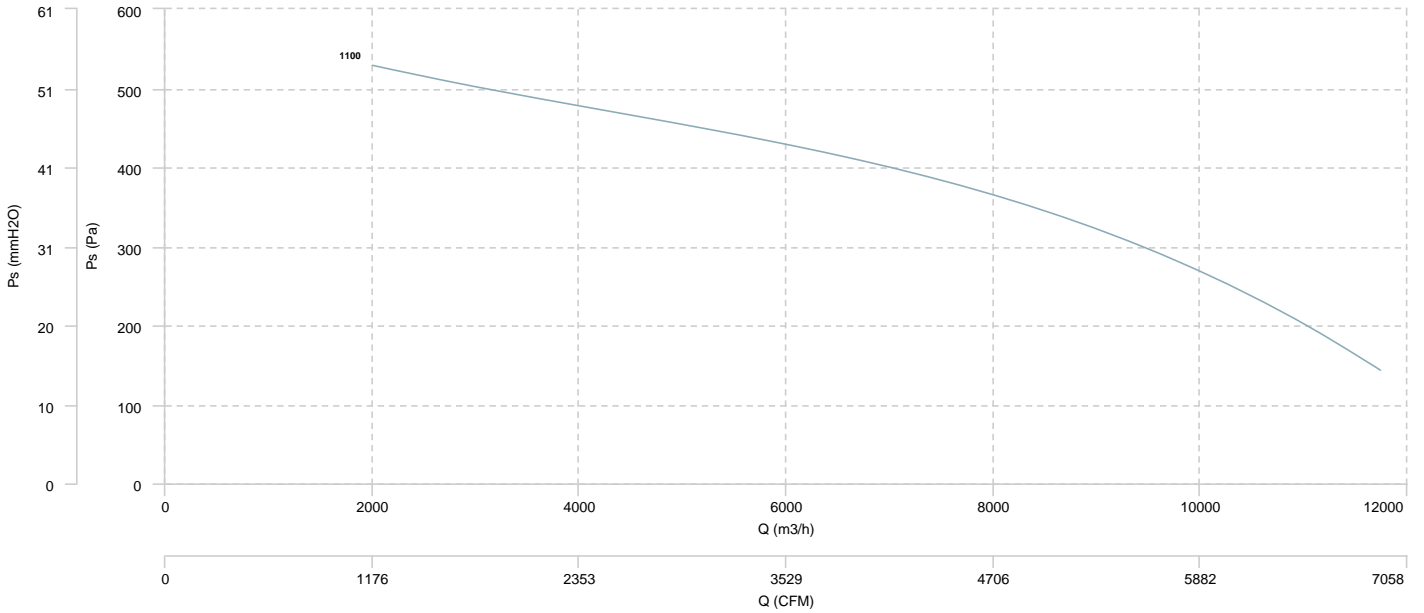


AIR FLOW - ABSORBED POWER

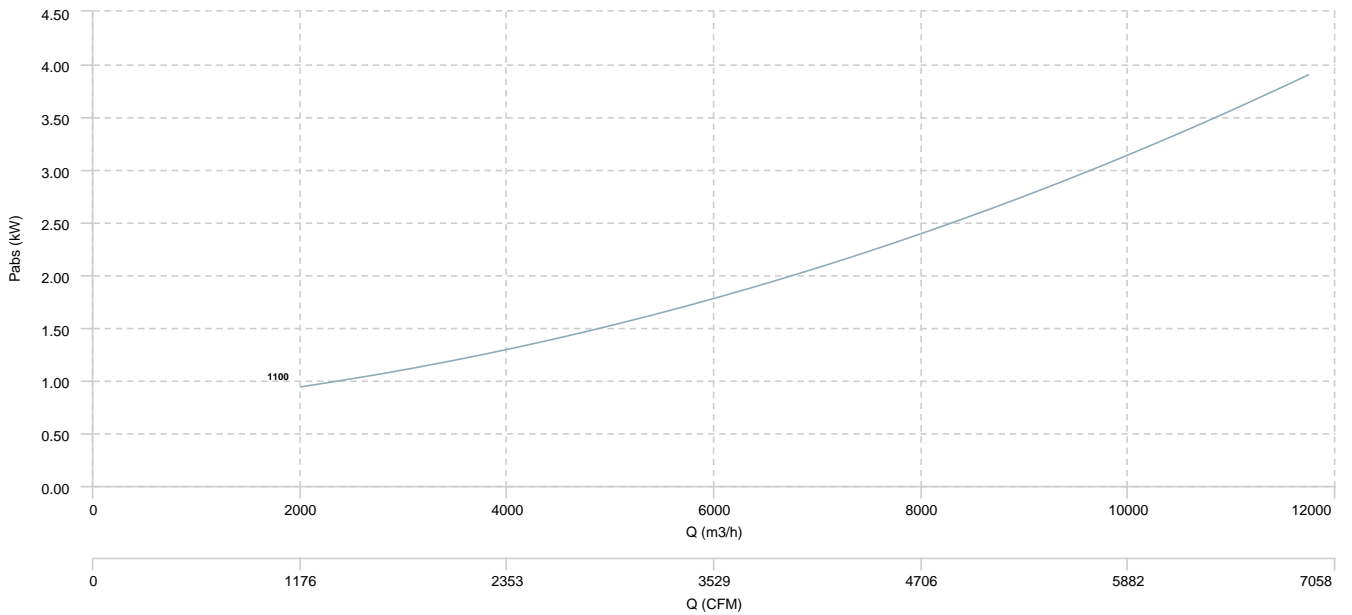


BOX BV PLUS 15/15 4kW

AIR FLOW - PRESSURE

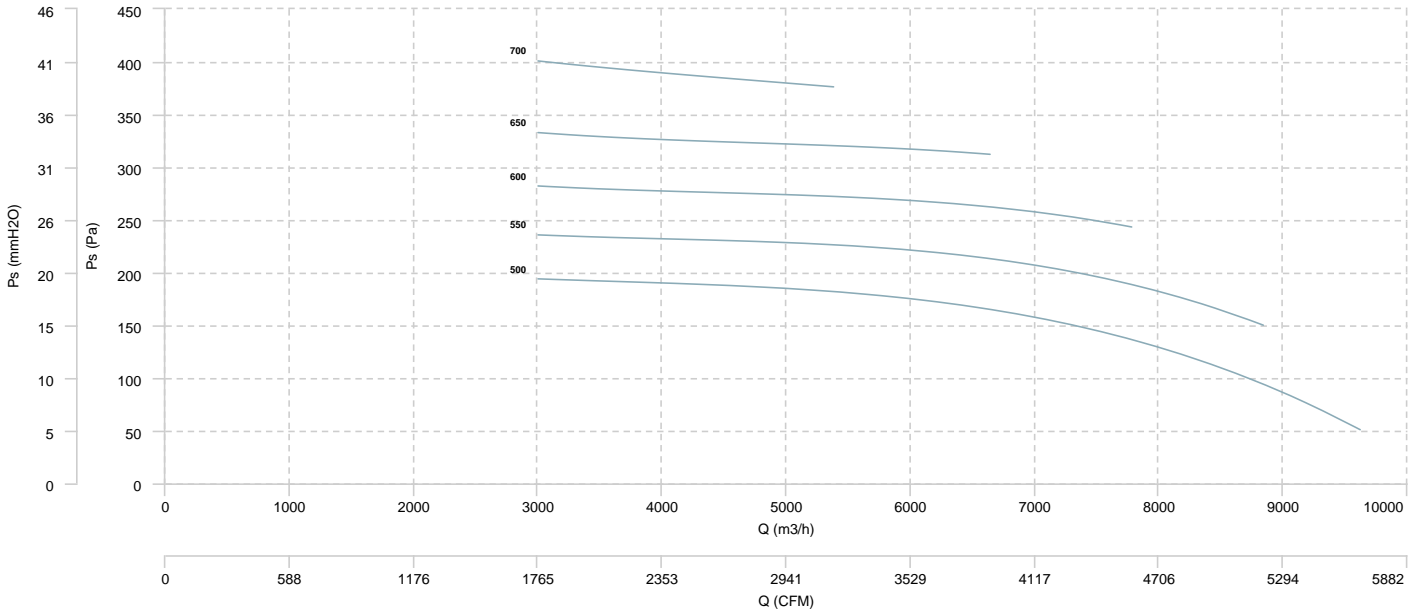


AIR FLOW - ABSORBED POWER

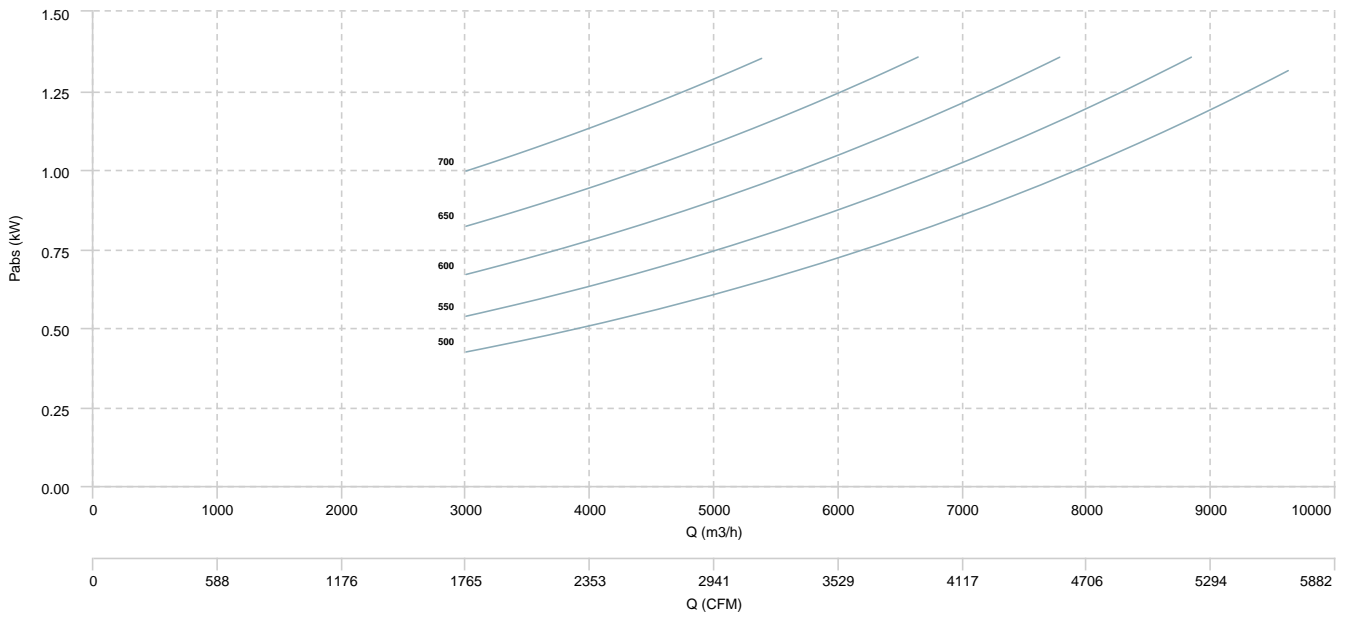


BOX BV PLUS 18/18 1,1kW

AIR FLOW - PRESSURE

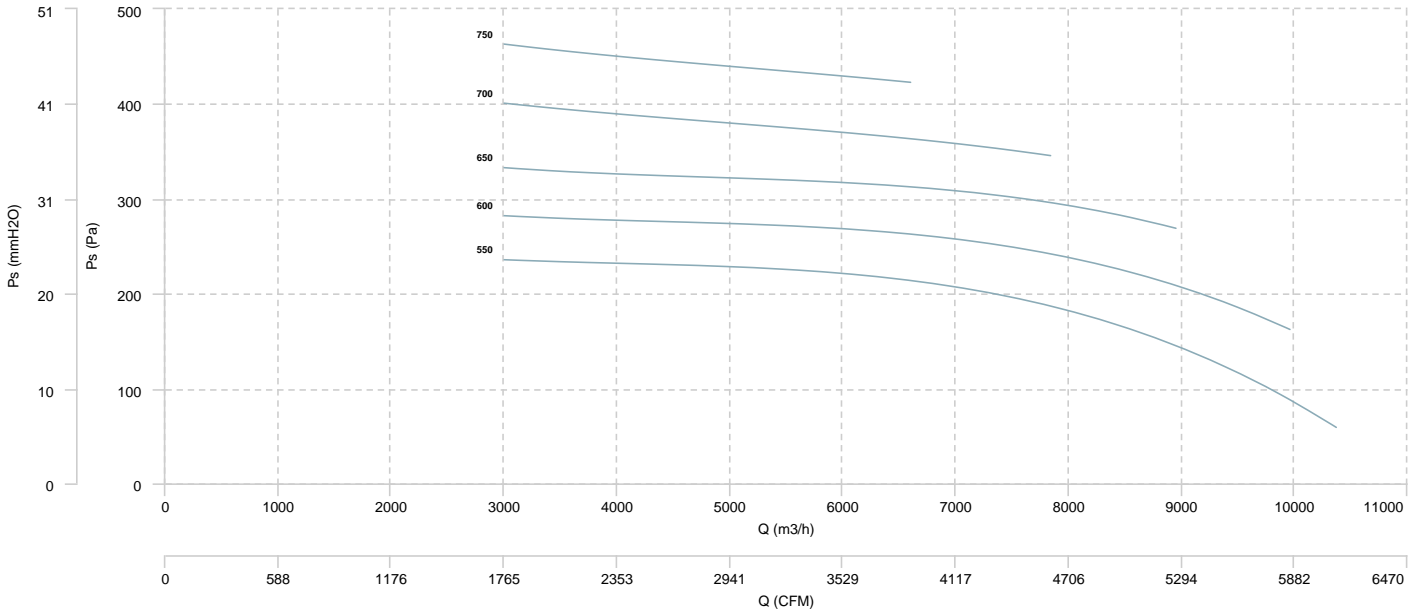


AIR FLOW - ABSORBED POWER

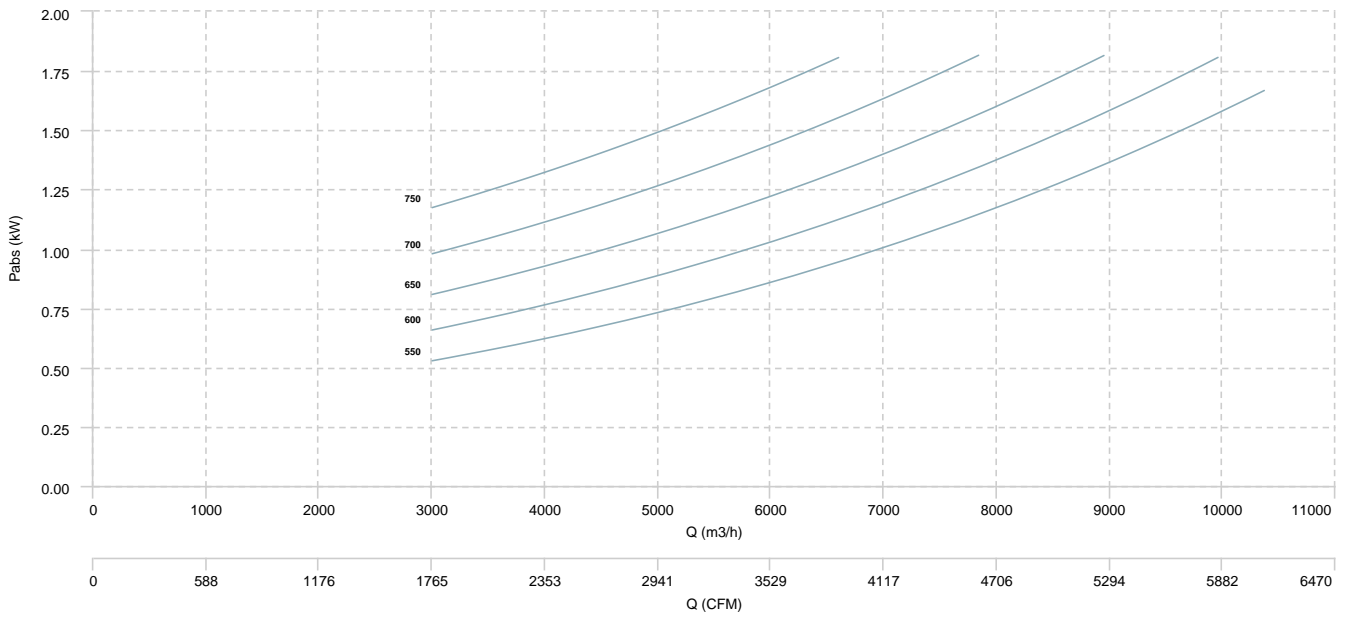


BOX BV PLUS 18/18 1,5kW

AIR FLOW - PRESSURE

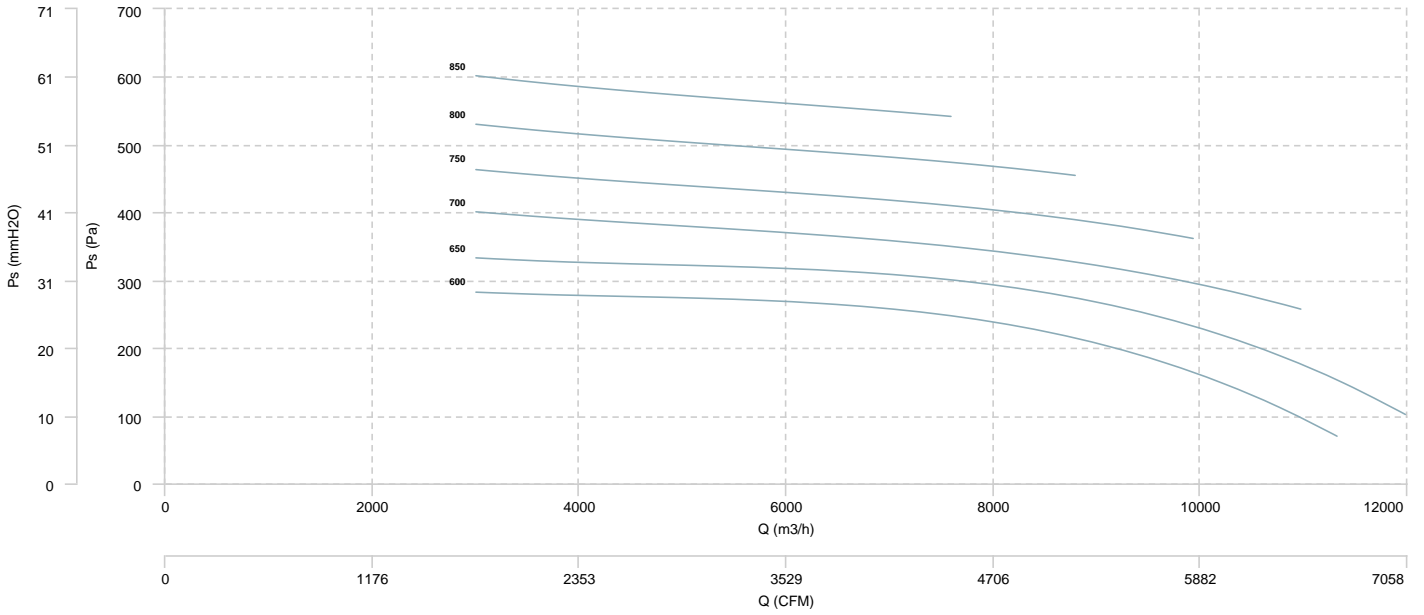


AIR FLOW - ABSORBED POWER

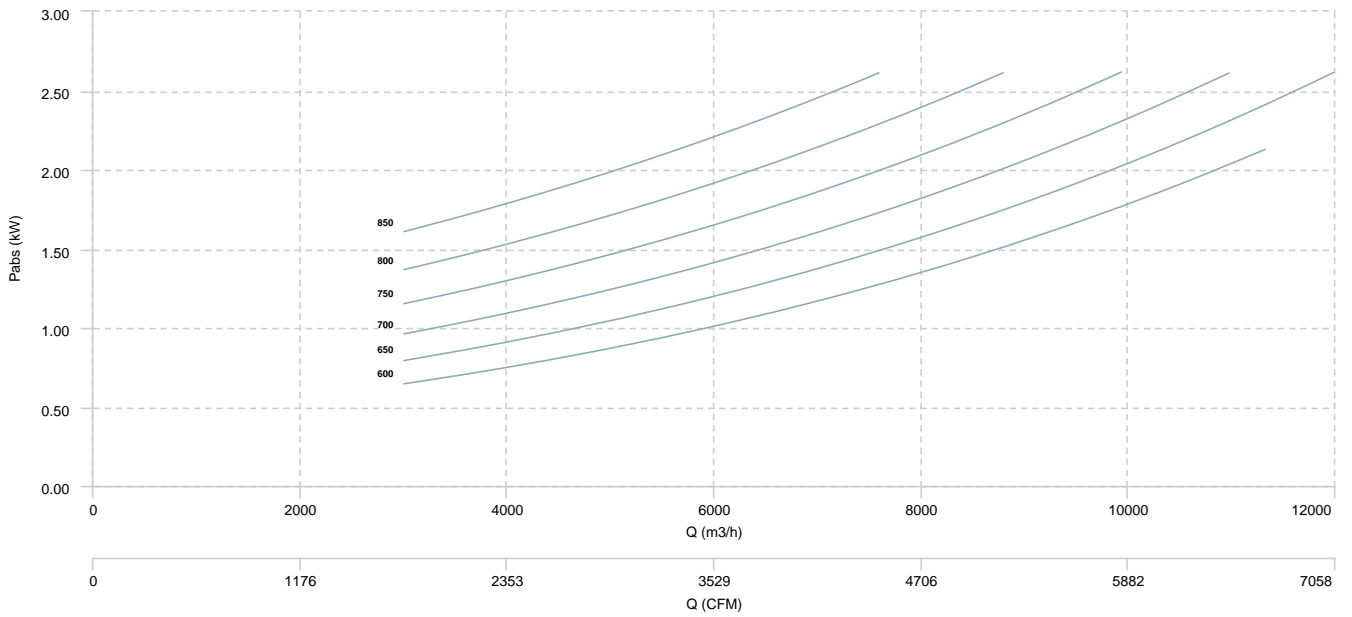


BOX BV PLUS 18/18 2,2kW

AIR FLOW - PRESSURE

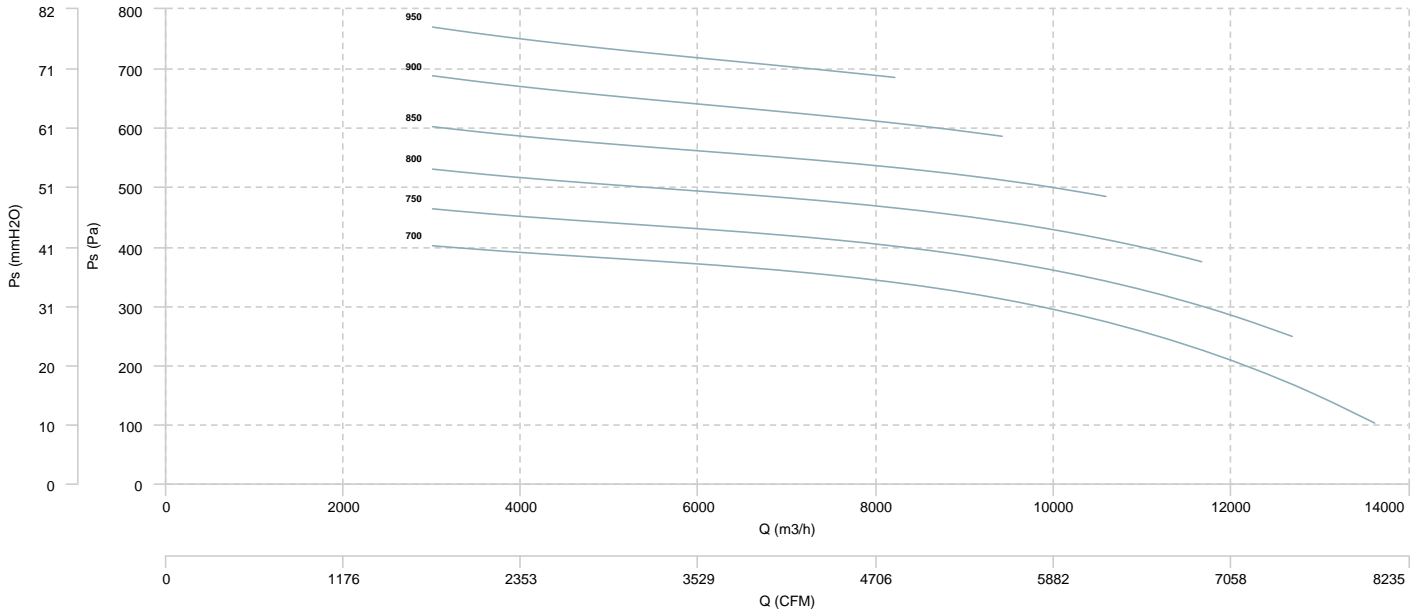


AIR FLOW - ABSORBED POWER

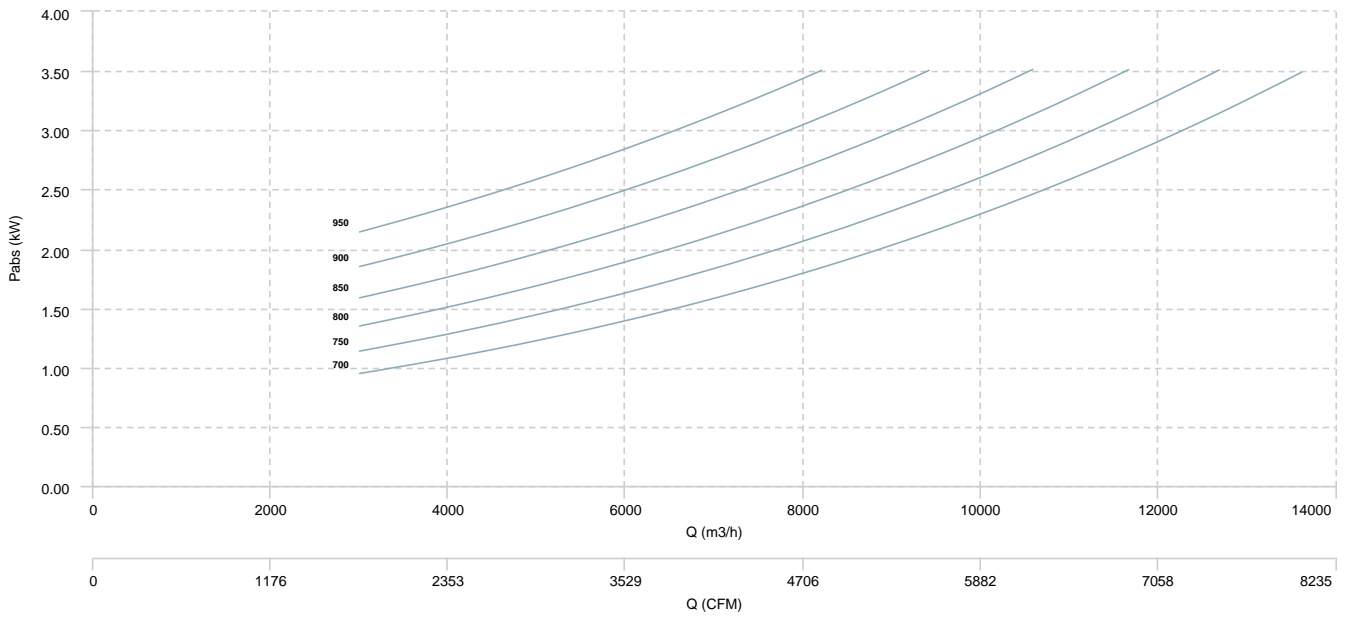


BOX BV PLUS 18/18 3kW

AIR FLOW - PRESSURE

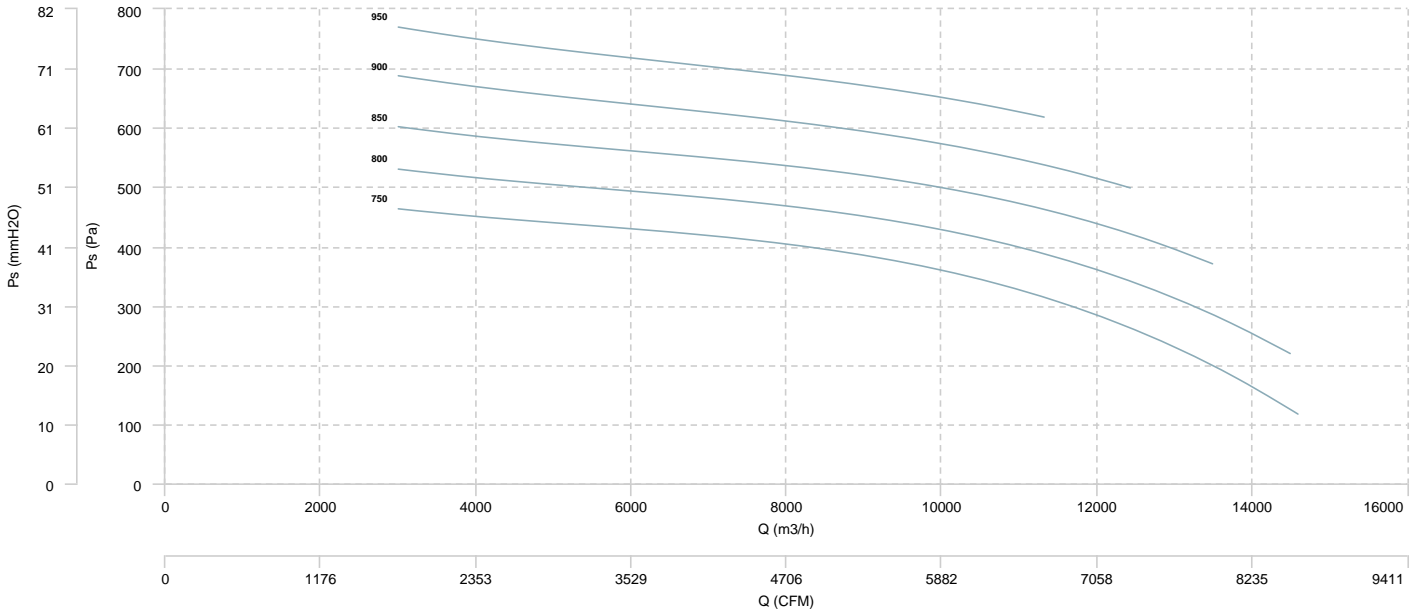


AIR FLOW - ABSORBED POWER

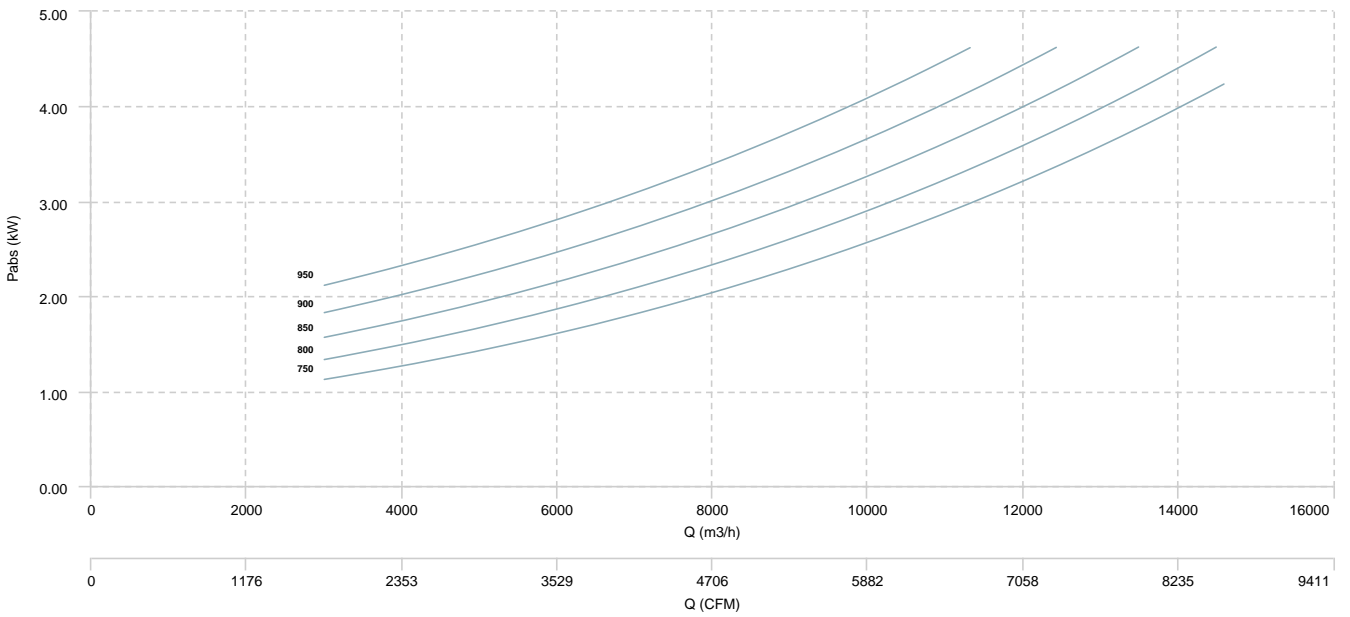


BOX BV PLUS 18/18 4kW

AIR FLOW - PRESSURE

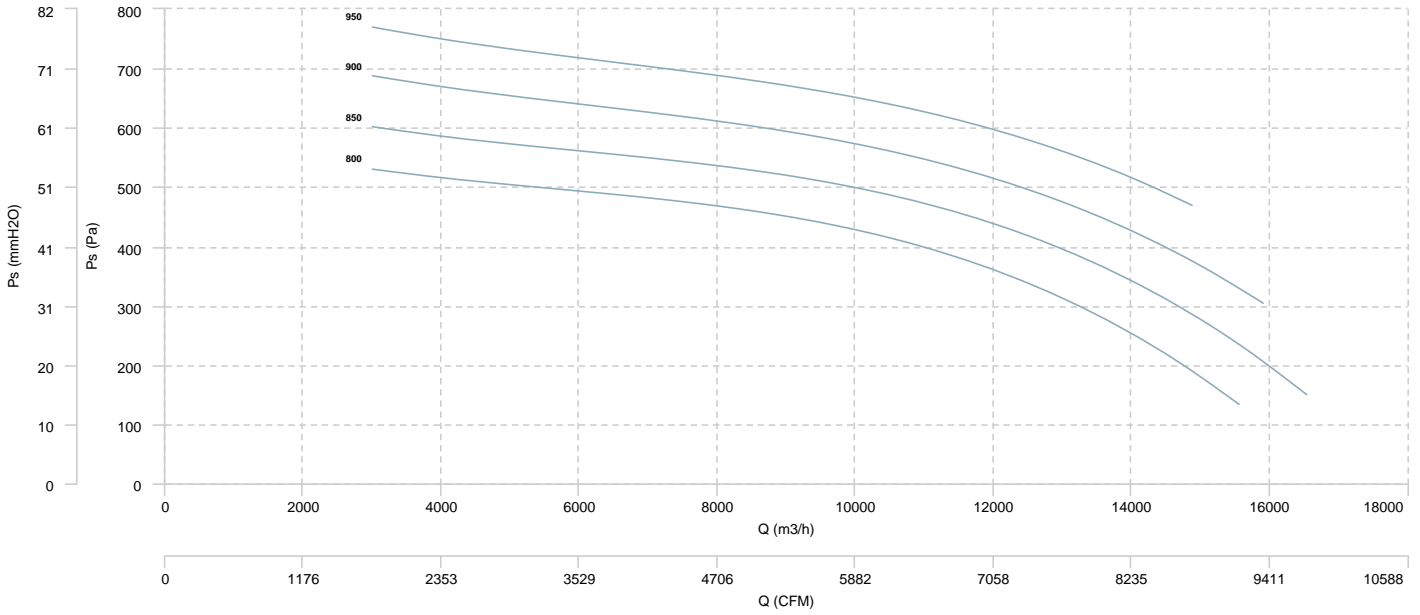


AIR FLOW - ABSORBED POWER

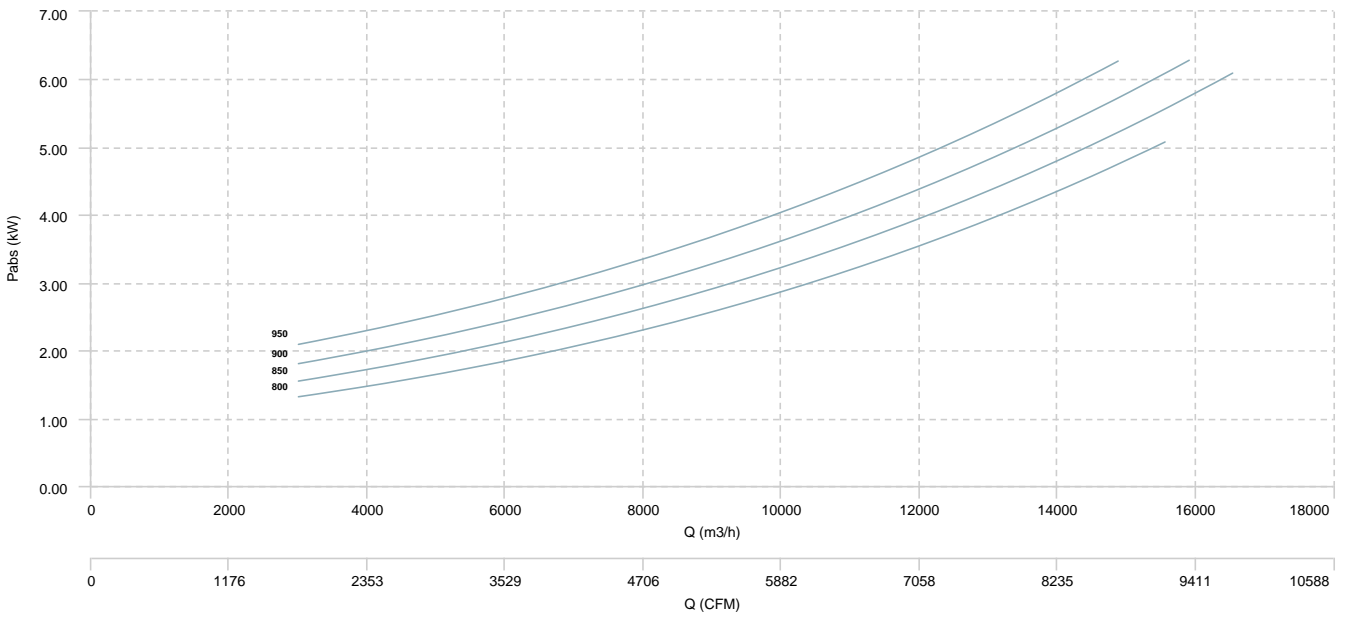


BOX BV PLUS 18/18 5,5kW

AIR FLOW - PRESSURE



AIR FLOW - ABSORBED POWER



Sound data

Sound / 4 poles

		Sound power Lw dB (A)								
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX BV PLUS 7/7 0,37kW (1950 RPM)	Inlet	58	60	64	63	71	70	61	56	75
BOX BV PLUS 7/7 0,55kW (1950 RPM)	Inlet	58	60	64	63	71	70	61	56	75
BOX BV PLUS 7/7 0,75kW (1800 RPM)	Inlet	57	59	63	62	70	69	60	55	74
BOX BV PLUS 9/9 0,37kW (1200 RPM)	Inlet	55	57	61	60	68	67	58	53	72
BOX BV PLUS 9/9 0,55kW (1250 RPM)	Inlet	56	58	62	61	69	68	59	54	72
BOX BV PLUS 9/9 0,75kW (1400 RPM)	Inlet	58	60	64	63	71	70	61	56	75
BOX BV PLUS 9/9 1,1kW (1650 RPM)	Inlet	62	64	68	67	75	74	65	60	78
BOX BV PLUS 10/10 0,37kW (1300 RPM)	Inlet	60	62	66	65	73	72	63	57	77
BOX BV PLUS 10/10 0,55kW (1400 RPM)	Inlet	62	64	68	67	75	74	65	59	79
BOX BV PLUS 10/10 0,75kW (1600 RPM)	Inlet	65	67	71	70	78	77	68	62	82
BOX BV PLUS 10/10 1,1kW (1600 RPM)	Inlet	65	67	71	70	78	77	68	62	82
BOX BV PLUS 10/10 1,5kW (1650 RPM)	Inlet	65	67	71	70	78	77	68	62	82
BOX BV PLUS 12/12 0,37kW (900 RPM)	Inlet	61	63	66	67	72	72	62	56	76
BOX BV PLUS 12/12 0,55kW (1100 RPM)	Inlet	65	67	70	71	76	76	66	60	81
BOX BV PLUS 12/12 0,75kW (1150 RPM)	Inlet	66	68	71	72	77	77	67	61	82
BOX BV PLUS 12/12 1,1kW (1250 RPM)	Inlet	68	70	73	74	79	79	69	63	83
BOX BV PLUS 12/12 1,5kW (1400 RPM)	Inlet	70	72	75	76	81	81	71	65	86
BOX BV PLUS 12/12 2,2kW (1400 RPM)	Inlet	70	72	75	76	81	81	71	65	86
BOX BV PLUS 15/15 0,55kW (600 RPM)	Inlet	61	61	64	64	69	69	59	52	74
BOX BV PLUS 15/15 0,75kW (650 RPM)	Inlet	61	61	64	64	69	69	59	52	74
BOX BV PLUS 15/15 1,1kW (700 RPM)	Inlet	59	59	62	62	67	67	57	50	72

		Sound power Lw dB (A)								
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
BOX BV PLUS 15/15 1,5kW (800 RPM)	Inlet	65	65	68	68	73	73	63	56	77
BOX BV PLUS 15/15 2,2kW (900 RPM)	Inlet	67	67	70	70	75	75	65	58	80
BOX BV PLUS 15/15 3kW (1000 RPM)	Inlet	68	68	71	71	76	76	66	59	81
BOX BV PLUS 15/15 4kW (1100 RPM)	Inlet	69	69	72	72	77	77	67	60	82
BOX BV PLUS 18/18 1,1kW (650 RPM)	Inlet	60	59	62	62	66	65	56	49	71
BOX BV PLUS 18/18 1,5kW (750 RPM)	Inlet	63	62	65	65	69	68	59	52	74
BOX BV PLUS 18/18 2,2kW (850 RPM)	Inlet	66	65	68	68	72	71	62	55	77
BOX BV PLUS 18/18 3kW (900 RPM)	Inlet	67	66	69	69	73	72	63	56	78
BOX BV PLUS 18/18 4kW (950 RPM)	Inlet	68	67	70	70	74	73	64	57	79
BOX BV PLUS 18/18 5,5kW (950 RPM)	Inlet	68	67	70	70	74	73	64	57	79

Notes:

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

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

erp data
ERP

Fan type	Unit for non-residential ventilation (LOT 6)
Typology	Unidirectional
Others	None
Type of driver	None

ERP / 4 poles

Model	Maximum efficiency point data							
	Motor power (kW)	Eff.Heat recovery (%)	Max. efficiency (%)	Pabs (kW)	Air Flow (m3/h)	Ps (Pa)	Speed (m/s)	SFP (W/m3/s)
(1950 RPM)	0,55	-	32,87	0,63	1.445,30	384,73	8.39	1.648,26
(1650 RPM)	0,55	-	33,17	0,38	1.232,17	274,64	7.15	1.648,26
(1700 RPM)	0,55	-	33,17	0,42	1.269,67	291,53	7.37	1.648,26
(1900 RPM)	0,55	-	33,05	0,58	1.413,29	364,74	8.21	1.648,26
(1750 RPM)	0,55	-	33,17	0,46	1.307,17	308,91	7.59	1.648,26
(1800 RPM)	0,55	-	33,17	0,50	1.344,14	326,85	7.8	1.648,26
(2000 RPM)	0,55	-	33,05	0,68	1.487,67	402,54	8.64	1.648,26
(1850 RPM)	0,55	-	33,17	0,54	1.381,64	345,25	8.02	1.648,26
(1800 RPM)	0,75	-	33,17	0,42	1.344,14	326,85	7.8	1.385,72
(1850 RPM)	0,75	-	33,17	0,46	1.381,64	345,25	8.02	1.385,72
(1900 RPM)	0,75	-	33,17	0,49	1.419,14	364,14	8.24	1.385,72
(1950 RPM)	0,75	-	33,17	0,53	1.456,10	383,60	8.45	1.385,72
(2000 RPM)	0,75	-	33,17	0,58	1.493,83	401,86	8.67	1.385,72
(1200 RPM)	0,37	-	34,77	0,30	1.506,70	234,85	5.35	1.461,16
(1250 RPM)	0,37	-	34,77	0,34	1.569,48	254,83	5.57	1.461,16
(1300 RPM)	0,37	-	34,77	0,39	1.632,26	274,24	5.79	1.461,16
(1350 RPM)	0,37	-	34,77	0,43	1.695,04	295,74	6.02	1.461,16
(1400 RPM)	0,37	-	34,77	0,48	1.757,82	318,06	6.24	1.461,16
(1450 RPM)	0,37	-	34,77	0,54	1.820,60	337,28	6.46	1.461,16
(1500 RPM)	0,37	-	34,77	0,59	1.883,38	360,94	6.68	1.461,16
(1550 RPM)	0,37	-	34,33	0,60	1.700	401,45	6.03	1.461,16
(1600 RPM)	0,37	-	32,77	0,60	1.480	443,92	5.25	1.461,16
(1250 RPM)	0,55	-	37,58	0,32	1.569,48	254,83	5.57	1.350,11
(1300 RPM)	0,55	-	37,58	0,36	1.632,26	274,24	5.79	1.350,11
(1350 RPM)	0,55	-	37,58	0,40	1.695,04	295,74	6.02	1.350,11
(1400 RPM)	0,55	-	37,58	0,45	1.757,82	318,06	6.24	1.350,11
(1450 RPM)	0,55	-	37,58	0,50	1.820,60	337,28	6.46	1.350,11
(1500 RPM)	0,55	-	37,58	0,55	1.883,38	360,94	6.68	1.350,11

Model	Motor power (kW)	Maximum efficiency point data						
		Eff.Heat recovery (%)	Max. efficiency (%)	Pabs (kW)	Air Flow (m3/h)	Ps (Pa)	Speed (m/s)	SFP (W/m3/s)
(1550 RPM)	0,55	-	37,58	0,61	1.946,16	385,41	6.91	1.350,11
(1600 RPM)	0,55	-	37,58	0,67	2.008,94	410,71	7.13	1.350,11
(1650 RPM)	0,55	-	37,58	0,73	2.071,72	436,78	7.35	1.350,11
(1700 RPM)	0,55	-	37,58	0,80	2.134,50	463,66	7.58	1.350,11
(1400 RPM)	0,75	-	44,64	0,38	1.757,82	318,06	6.24	1.136,40
(1450 RPM)	0,75	-	44,64	0,42	1.820,60	337,28	6.46	1.136,40
(1500 RPM)	0,75	-	44,64	0,46	1.883,38	360,94	6.68	1.136,40
(1550 RPM)	0,75	-	44,64	0,51	1.946,16	385,41	6.91	1.136,40
(1600 RPM)	0,75	-	44,64	0,56	2.008,94	410,71	7.13	1.136,40
(1650 RPM)	0,75	-	44,64	0,62	2.071,72	436,78	7.35	1.136,40
(1700 RPM)	0,75	-	44,64	0,67	2.134,50	463,66	7.58	1.136,40
(1650 RPM)	1,10	-	45,65	0,60	2.071,72	436,78	7.35	1.111,27
(1700 RPM)	1,10	-	45,65	0,66	2.134,50	463,66	7.58	1.111,27
(1300 RPM)	0,37	-	33,46	0,60	1.250	416,55	3.63	1.722,48
(1250 RPM)	0,37	-	34,44	0,60	1.570	372,37	4.56	1.722,48
(1200 RPM)	0,37	-	36,77	0,60	1.850	327,56	5.37	1.722,48
(1150 RPM)	0,37	-	37,93	0,60	2.160	281,55	6.27	1.722,48
(1100 RPM)	0,37	-	35,17	0,56	2.242,92	249,77	6.51	1.722,48
(1050 RPM)	0,37	-	35,61	0,48	2.080,11	230,89	6.04	1.722,48
(1000 RPM)	0,37	-	36,02	0,41	1.996,62	208,63	5.79	1.722,48
(1400 RPM)	0,55	-	39,14	0,82	1.920	456,91	5.57	1.540,02
(1350 RPM)	0,55	-	39,42	0,82	2.210	401,38	6.41	1.540,02
(1300 RPM)	0,55	-	39,76	0,77	2.307,18	361,82	6.69	1.540,02
(1250 RPM)	0,55	-	38,06	0,72	2.356,77	332,10	6.84	1.540,02
(1200 RPM)	0,55	-	38,47	0,63	2.240,34	307,34	6.5	1.540,02
(1150 RPM)	0,55	-	38,96	0,56	2.176,53	280,63	6.31	1.540,02
(1000 RPM)	0,55	-	36,02	0,38	1.996,62	208,63	5.79	1.540,02
(1050 RPM)	0,55	-	36,02	0,44	2.096,71	230,01	6.08	1.540,02
(1100 RPM)	0,55	-	36,01	0,51	2.196,16	252,46	6.37	1.540,02
(1600 RPM)	0,75	-	39,95	0,94	1.840	617,80	5.34	1.841,42
(1550 RPM)	0,75	-	41,77	0,94	2.140	559,23	6.21	1.841,42
(1500 RPM)	0,75	-	40,53	0,94	2.430	502,39	7.05	1.841,42
(1450 RPM)	0,75	-	40,91	0,94	2.730	444,10	7.92	1.841,42
(1400 RPM)	0,75	-	40,76	0,81	2.463,09	425,65	7.15	1.841,42
(1350 RPM)	0,75	-	39,98	0,72	2.358,39	392,53	6.84	1.841,42
(1300 RPM)	0,75	-	40,41	0,64	2.278,35	363,56	6.61	1.841,42
(1250 RPM)	0,75	-	38,74	0,60	2.346,66	332,71	6.81	1.841,42
(1150 RPM)	0,75	-	38,96	0,47	2.176,53	280,63	6.31	1.841,42



Model	Motor power (kW)	Maximum efficiency point data						
		Eff.Heat recovery (%)	Max. efficiency (%)	Pabs (kW)	Air Flow (m3/h)	Ps (Pa)	Speed (m/s)	SFP (W/m3/s)
(1200 RPM)	0,75	-	39,01	0,54	2.275,78	305,29	6.6	1.841,42
(1600 RPM)	1,10	-	42,86	1,11	2.580,80	572,36	7.49	1.551,41
(1550 RPM)	1,10	-	43,41	1	2.469,24	539,14	7.16	1.551,41
(1500 RPM)	1,10	-	41,33	0,96	2.577,78	492,79	7.48	1.551,41
(1450 RPM)	1,10	-	41,78	0,87	2.522,37	458,50	7.32	1.551,41
(1300 RPM)	1,10	-	40,98	0,64	2.330,87	360,38	6.76	1.551,41
(1350 RPM)	1,10	-	40,98	0,72	2.420,24	388,65	7.02	1.551,41
(1400 RPM)	1,10	-	42,21	0,79	2.482,84	424,37	7.2	1.551,41
(1250 RPM)	1,10	-	39,01	0,59	2.370,12	331,29	6.88	1.551,41
(1650 RPM)	1,50	-	41,38	1,25	2.837,94	596,11	8.23	1.586,21
(1400 RPM)	1,5	-	42,21	0,78	2.482,84	424,37	7.2	1.586,21
(1600 RPM)	1,50	-	41,80	1,15	2.784,52	558,18	8.08	1.586,21
(1450 RPM)	1,50	-	42,21	0,87	2.572,39	455,17	7.46	1.586,21
(1500 RPM)	1,50	-	42,21	0,96	2.660,82	487,12	7.72	1.586,21
(1550 RPM)	1,50	-	42,21	1,06	2.749,51	520,13	7.98	1.586,21
(900 RPM)	0,37	-	40,47	0,60	2.900	223,75	5.92	745,55
(850 RPM)	0,37	-	41,86	0,60	3.290	193,08	6.72	745,55
(800 RPM)	0,37	-	41,74	0,48	2.947,89	177,72	6.02	745,55
(750 RPM)	0,37	-	42,64	0,39	2.787,43	155,83	5.69	745,55
(700 RPM)	0,37	-	38	0,35	2.835,82	130,95	5.79	745,55
(1100 RPM)	0,55	-	41,57	0,82	2.680	347,07	5.47	1.104,13
(1050 RPM)	0,55	-	42,29	0,82	3.100	310,72	6.33	1.104,13
(1000 RPM)	0,55	-	43,51	0,82	3.500	273,63	7.15	1.104,13
(950 RPM)	0,55	-	42,17	0,82	3.920	236,73	8.01	1.104,13
(900 RPM)	0,55	-	42,33	0,64	3.382,78	217,96	6.91	1.104,13
(750 RPM)	0,55	-	42,64	0,37	2.787,43	155,83	5.69	1.104,13
(850 RPM)	0,55	-	43,30	0,54	3.191,98	194,45	6.52	1.104,13
(800 RPM)	0,55	-	42,82	0,45	2.990,48	177,02	6.11	1.104,13
(700 RPM)	0,55	-	38	0,32	2.835,82	130,95	5.79	1.104,13
(1150 RPM)	0,75	-	43,99	0,94	3.550	366,73	7.25	955,23
(1100 RPM)	0,75	-	44,88	0,95	3.980	326,10	8.13	955,23
(1050 RPM)	0,75	-	44,44	0,94	4.380	286,13	8.94	955,23
(1000 RPM)	0,75	-	43,95	0,68	3.456,07	274,35	7.06	955,23
(950 RPM)	0,75	-	42,48	0,63	3.553,24	243,10	7.26	955,23
(800 RPM)	0,75	-	42,82	0,38	2.990,48	177,02	6.11	955,23
(900 RPM)	0,75	-	43,40	0,54	3.387,23	217,89	6.92	955,23
(850 RPM)	0,75	-	43,69	0,46	3.223,63	194,02	6.58	955,23
(1250 RPM)	1,10	-	47,56	1,34	4.470	436,03	9.13	1.081,17

Model	Motor power (kW)	Maximum efficiency point data						
		Eff.Heat recovery (%)	Max. efficiency (%)	Pabs (kW)	Air Flow (m3/h)	Ps (Pa)	Speed (m/s)	SFP (W/m3/s)
(1200 RPM)	1,10	-	45,12	1,35	4.920	366,83	10.05	1.081,17
(1150 RPM)	1,10	-	44,44	0,95	3.684,10	364,62	7.52	1.081,17
(1100 RPM)	1,10	-	45,24	0,83	3.532,14	333,48	7.21	1.081,17
(1050 RPM)	1,10	-	45,07	0,77	3.636,75	302,34	7.43	1.081,17
(1000 RPM)	1,10	-	45,71	0,68	3.542,13	272,92	7.23	1.081,17
(900 RPM)	1,10	-	43,69	0,53	3.413,77	217,51	6.97	1.081,17
(950 RPM)	1,10	-	43,69	0,62	3.602,82	242,36	7.36	1.081,17
(1400 RPM)	1,50	-	43,66	1,36	3.361,42	577,99	6.86	1.454,27
(1350 RPM)	1,50	-	46,07	1,35	3.732,50	528,47	7.62	1.454,27
(1300 RPM)	1,50	-	47,43	1,28	3.922,76	484,84	8.01	1.454,27
(1250 RPM)	1,50	-	48,24	1,15	3.809,50	447,69	7.78	1.454,27
(1200 RPM)	1,50	-	45,46	1,07	3.876,92	392,66	7.92	1.454,27
(1150 RPM)	1,50	-	46,18	0,96	3.818,86	362,45	7.8	1.454,27
(1100 RPM)	1,50	-	46,72	0,86	3.749,82	330,06	7.66	1.454,27
(1000 RPM)	1,5	-	45,71	0,67	3.542,13	272,92	7.23	1.454,27
(1050 RPM)	1,50	-	45,71	0,78	3.719,16	300,90	7.59	1.454,27
(1400 RPM)	2,20	-	48,37	1,59	4.282,71	561,31	8.75	1.339,07
(1150 RPM)	2,2	-	46,18	0,95	3.818,86	362,45	7.8	1.339,07
(1350 RPM)	2,20	-	49,14	1,46	4.249,92	519,90	8.68	1.339,07
(1200 RPM)	2,20	-	44,97	1,06	3.921,48	391,82	8.01	1.339,07
(1250 RPM)	2,20	-	49,99	1,20	4.096,23	443,09	8.36	1.339,07
(1300 RPM)	2,20	-	49,91	1,35	4.243,90	479,53	8.67	1.339,07
(600 RPM)	0,55	-	38,06	0,36	3.186,11	128,91	4.63	560,10
(650 RPM)	0,55	-	38,03	0,46	3.460,16	151,16	5.03	560,10
(700 RPM)	0,55	-	38,02	0,58	3.727,44	175,29	5.42	560,10
(650 RPM)	0,75	-	41,19	0,39	3.458,75	151,18	5.03	541,08
(700 RPM)	0,75	-	41,15	0,49	3.715,11	175,49	5.4	541,08
(750 RPM)	0,75	-	41,12	0,60	4.002,66	201,06	5.82	541,08
(700 RPM)	1,1	-	42,11	0,48	3.725,38	175,32	5.42	602,20
(750 RPM)	1,1	-	42,13	0,59	3.983,34	201,41	5.79	602,20
(800 RPM)	1,1	-	42,10	0,71	4.255,77	229,03	6.19	602,20
(800 RPM)	1,5	-	42,82	0,70	4.255,77	229,03	6.19	749,58
(850 RPM)	1,5	-	42,82	0,84	4.520,97	258,56	6.57	749,58
(900 RPM)	1,5	-	42,75	0,99	4.766,24	290,32	6.93	749,58
(900 RPM)	2,2	-	43,59	0,98	4.786,19	289,89	6.96	908,61
(950 RPM)	2,2	-	43,59	1,15	5.051,41	323,01	7.34	908,61
(1000 RPM)	2,2	-	43,58	1,34	5.316,58	357,93	7.73	908,61
(1000 RPM)	3	-	44,21	1,33	5.331,87	357,56	7.75	1.084,20

Model	Motor power (kW)	Maximum efficiency point data						
		Eff.Heat recovery (%)	Max. efficiency (%)	Pabs (kW)	Air Flow (m3/h)	Ps (Pa)	Speed (m/s)	SFP (W/m3/s)
(1050 RPM)	3	-	44,23	1,53	5.569,93	394,93	8.1	1.084,20
(1100 RPM)	3	-	44,18	1,76	5.836,04	433,41	8.48	1.084,20
(1100 RPM)	4	-	44,77	1,74	5.847,03	433,12	8.5	1.070,24
(650 RPM)	1,10	-	49,15	1,36	6.640	312,38	6.87	904,80
(700 RPM)	1,10	-	50,03	1,35	5.380	376,43	5.56	904,80
(600 RPM)	1,10	-	47,85	1,03	5.887,97	269,37	6.09	904,80
(550 RPM)	1,10	-	48,93	0,79	5.341,40	226,70	5.52	904,80
(500 RPM)	1,10	-	47,34	0,61	5.017,74	184,91	5.19	904,80
(750 RPM)	1,50	-	52,08	1,81	6.600	423,03	6.83	985,39
(650 RPM)	1,50	-	49,19	1,22	5.959,34	317,56	6.16	985,39
(700 RPM)	1,50	-	53,68	1,82	7.840	345,71	8.11	985,39
(600 RPM)	1,50	-	49,10	1,01	5.855,16	269,60	6.06	985,39
(550 RPM)	1,50	-	49,54	0,79	5.452,24	225,98	5.64	985,39
(850 RPM)	2,20	-	50,94	2,61	7.590	541,90	7.85	1.239,37
(800 RPM)	2,20	-	50,78	2,12	6.891	483,14	7.13	1.239,37
(750 RPM)	2,20	-	51,44	1,72	6.332,18	426,07	6.55	1.239,37
(700 RPM)	2,20	-	52,30	1,43	6.083,06	369,34	6.29	1.239,37
(650 RPM)	2,20	-	50,84	1,24	6.246,77	315,64	6.46	1.239,37
(600 RPM)	2,20	-	49,54	1	5.948,72	268,93	6.15	1.239,37
(900 RPM)	3,00	-	52,27	2,78	7.082,39	625,15	7.33	1.543,10
(950 RPM)	3,00	-	52,19	3,46	8.076,85	687,23	8.35	1.543,10
(850 RPM)	3,00	-	51,14	2,46	7.163,99	547,42	7.41	1.543,10
(800 RPM)	3,00	-	51,88	2,08	6.833,26	483,83	7.07	1.543,10
(750 RPM)	3,00	-	52,54	1,75	6.599,17	423,04	6.83	1.543,10
(700 RPM)	3,00	-	53,08	1,46	6.387,57	365,98	6.61	1.543,10
(950 RPM)	4,00	-	52,55	3,21	7.421,33	697,36	7.68	1.558,68
(900 RPM)	4,00	-	53,12	2,76	7.127,51	624,51	7.37	1.558,68
(850 RPM)	4,00	-	52,26	2,49	7.375,07	544,73	7.63	1.558,68
(750 RPM)	4,00	-	53,08	1,78	6.843,42	420,13	7.08	1.558,68
(800 RPM)	4,00	-	52,92	2,14	7.211,52	479,15	7.46	1.558,68
(950 RPM)	5,50	-	53,66	3,26	7.719,94	692,83	7.99	1.521,89
(900 RPM)	5,50	-	54,25	2,86	7.629,93	617,13	7.89	1.521,89
(800 RPM)	5,50	-	53,08	2,13	7.299,21	478,02	7.55	1.521,89
(850 RPM)	5,50	-	53,09	2,56	7.756,56	539,63	8.02	1.521,89