

TWIN BOX BV



BELT DRIVEN CENTRIFUGAL IN SOUNDPROOF CABINET

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 with thermo-acoustic insulation, Bs1d0 fire class.
- 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.
- Fans can run separately or simultaneously.

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. Add 10% additional cost.
- Impeller made of galvanized sheet.
- Aluminium box up to size 12/12.

* All data are referred to a single working fan. If both fans are working at the same time, data should be twice (x2) except for weight.

Accessories



FILTRO
EMC



INT



PI



SFC



VIS

Technical data

Three-phase motor

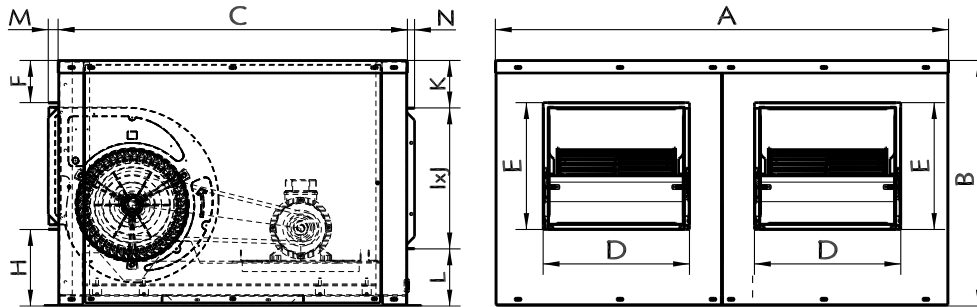
Code	Model	R.P.M.	Rated I. (A) 400V	Rated power kW	Max. Airflow m3/h	Sound db (A)**	Weight	Connect. diagram
TW252090152R_—	TWIN BOX BV 7/7 0,37kW	1650	1,07	0,37	1.900	50	74	1
TW252090153R_—	TWIN BOX BV 7/7 0,55kW	1650	1,49	0,55	2.350	50	78	1
TW252090154R_—	TWIN BOX BV 7/7 0,75kW	1800	1,63	0,75	2.610	50	81	1
TW252180150R_—	TWIN BOX BV 9/9 0,37kW	1200	1,07	0,37	2.950	52	98	1
TW252180151R_—	TWIN BOX BV 9/9 0,55kW	1250	1,49	0,55	3.300	53	104	1
TW252180152R_—	TWIN BOX BV 9/9 0,75kW	1400	1,63	0,75	3.580	53	106	1
TW252180153R_—	TWIN BOX BV 9/9 1,1kW	1650	2,49	1,10	3.800	53	112	1
TW252210150R_—	TWIN BOX BV 10/10 0,37kW	1000	1,07	0,37	3.120	51	105	1
TW252210151R_—	TWIN BOX BV 10/10 0,55kW	1000	1,49	0,55	3.830	53	108	1
TW252210152R_—	TWIN BOX BV 10/10 0,75kW	1150	1,63	0,75	4.220	56	111	1
TW252210153R_—	TWIN BOX BV 10/10 1,1kW	1250	2,49	1,10	4.700	56	116	1
TW252210154R_—	TWIN BOX BV 10/10 1,5kW	1400	3,26	1,50	5.250	56	123	1
TW252300150R_—	TWIN BOX BV 12/12 0,37kW	700	1,07	0,37	4.500	50	131	1
TW252300151R_—	TWIN BOX BV 12/12 0,55kW	700	1,49	0,55	5.100	55	135	1
TW252300152R_—	TWIN BOX BV 12/12 0,75kW	800	1,63	0,75	5.700	56	133	1
TW252300153R_—	TWIN BOX BV 12/12 1,1kW	900	2,49	1,10	6.480	57	139	1
TW252300154R_—	TWIN BOX BV 12/12 1,5kW	1000	3,26	1,50	7.280	60	149	1
TW252300155R_—	TWIN BOX BV 12/12 2,2kW	1150	4,64	2,20	8.030	60	150	1
TW252370150R_—	TWIN BOX BV 15/15 0,55kW	600	1,49	0,55	6.400	48	162	1
TW252370151R_—	TWIN BOX BV 15/15 0,75kW	650	1,63	0,75	6.910	48	164	1

Code	Model	R.P.M.	Rated I. (A) 400V	Rated power kW	Max. Airflow m3/h	Sound db (A)**	Weight	Connect. diagram
TW252370152R_—	TWIN BOX BV 15/15 1,1kW	700	2,49	1,10	8.000	49	170	1
TW252370153R_—	TWIN BOX BV 15/15 1,5kW	800	3,26	1,50	8.820	51	176	1
TW252370154R_—	TWIN BOX BV 15/15 2,2kW	900	4,64	2,20	10.070	54	192	1
TW252370155R_—	TWIN BOX BV 15/15 3kW	1000	6,17	3	11.200	56	196	1
TW252370156R_—	TWIN BOX BV 15/15 4kW	1100	8,32	4	11.740	56	205	1
TW252450150R_—	TWIN BOX BV 18/18 1,1kW	500	2,49	1,10	9.620	47	232	1
TW252450151R_—	TWIN BOX BV 18/18 1,5kW	550	3,26	1,50	10.370	48	238	1
TW252450152R_—	TWIN BOX BV 18/18 2,2kW	600	4,64	2,20	11.980	51	254	1
TW252450153R_—	TWIN BOX BV 18/18 3kW	700	6,17	3	13.620	53	258	1
TW252450154R_—	TWIN BOX BV 18/18 4kW	750	8,32	4	14.590	53	268	1
TW252450155R_—	TWIN BOX BV 18/18 5,5kW	800	10,5	5,50	16.540	53	294	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
TWIN BOX BV 7/7 0,37kW	850	450	700	254	228	76	147	596	280
TWIN BOX BV 7/7 0,55kW	850	450	700	254	228	76	147	596	280
TWIN BOX BV 7/7 0,75kW	850	450	700	254	228	76	147	596	280
TWIN BOX BV 9/9 0,37kW	1000	535	770	323	280	91	165	658	311
TWIN BOX BV 9/9 0,55kW	1000	535	770	323	280	91	165	658	311
TWIN BOX BV 9/9 0,75kW	1000	535	770	323	280	91	165	658	311
TWIN BOX BV 9/9 1,1kW	1000	535	770	323	280	91	165	658	311
TWIN BOX BV 10/10 0,37kW	1085	580	800	354	311	79	191	790	361
TWIN BOX BV 10/10 0,55kW	1085	580	800	354	311	79	191	790	361
TWIN BOX BV 10/10 0,75kW	1085	580	800	354	311	79	191	790	361
TWIN BOX BV 10/10 1,1kW	1085	580	800	354	311	79	191	790	361
TWIN BOX BV 10/10 1,5kW	1085	580	800	354	311	79	191	790	361
TWIN BOX BV 12/12 0,37kW	1220	651	872	419	361	79	211	940	423
TWIN BOX BV 12/12 0,55kW	1220	651	872	419	361	79	211	940	423
TWIN BOX BV 12/12 0,75kW	1220	651	872	419	361	79	211	940	423
TWIN BOX BV 12/12 1,1kW	1220	651	872	419	361	79	211	940	423
TWIN BOX BV 12/12 1,5kW	1220	651	872	419	361	79	211	940	423
TWIN BOX BV 12/12 2,2kW	1220	651	872	419	361	79	211	940	423
TWIN BOX BV 15/15 0,55kW	1432,5	777	992	494	423	113	239	1106	502
TWIN BOX BV 15/15 0,75kW	1432,5	777	992	494	423	113	239	1106	502
TWIN BOX BV 15/15 1,1kW	1432,5	777	992	494	423	113	239	1106	502
TWIN BOX BV 15/15 1,5kW	1432,5	777	992	494	423	113	239	1106	502
TWIN BOX BV 15/15 2,2kW	1432,5	777	992	494	423	113	239	1106	502
TWIN BOX BV 15/15 3kW	1432,5	777	992	494	423	113	239	1106	502
TWIN BOX BV 15/15 4kW	1432,5	777	992	494	423	113	239	1106	502
TWIN BOX BV 18/18 1,1kW	1625,5	886	1174	578	502	98	285,5	1200	625
TWIN BOX BV 18/18 1,5kW	1625,5	886	1174	578	502	98	285,5	1200	625
TWIN BOX BV 18/18 2,2kW	1625,5	886	1174	578	502	98	285,5	1200	625
TWIN BOX BV 18/18 3kW	1625,5	886	1174	578	502	98	285,5	1200	625

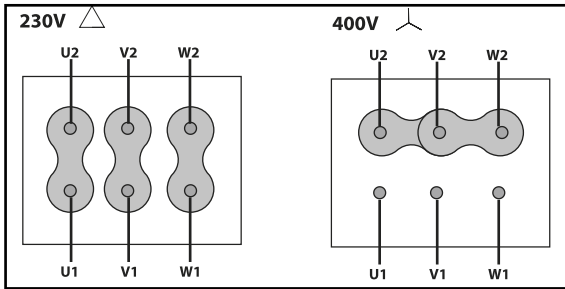
Model	A	B	C	D	E	F	H	I	J
TWIN BOX BV 18/18 4kW	1625,5	886	1174	578	502	98	285,5	1200	625
TWIN BOX BV 18/18 5,5kW	1625,5	886	1174	578	502	98	285,5	1200	625

Model	K	L	M	N
TWIN BOX BV 7/7 0,37kW	76	94	23	17
TWIN BOX BV 7/7 0,55kW	76	94	23	17
TWIN BOX BV 7/7 0,75kW	76	94	23	17
TWIN BOX BV 9/9 0,37kW	103	121	23	17
TWIN BOX BV 9/9 0,55kW	103	121	23	17
TWIN BOX BV 9/9 0,75kW	103	121	23	17
TWIN BOX BV 9/9 1,1kW	103	121	23	17
TWIN BOX BV 10/10 0,37kW	100	119	23	17
TWIN BOX BV 10/10 0,55kW	100	119	23	17
TWIN BOX BV 10/10 0,75kW	100	119	23	17
TWIN BOX BV 10/10 1,1kW	100	119	23	17
TWIN BOX BV 10/10 1,5kW	100	119	23	17
TWIN BOX BV 12/12 0,37kW	104	123	23	17
TWIN BOX BV 12/12 0,55kW	104	123	23	17
TWIN BOX BV 12/12 0,75kW	104	123	23	17
TWIN BOX BV 12/12 1,1kW	104	123	23	17
TWIN BOX BV 12/12 1,5kW	104	123	23	17
TWIN BOX BV 12/12 2,2kW	104	123	23	17
TWIN BOX BV 15/15 0,55kW	127	147	23	17
TWIN BOX BV 15/15 0,75kW	127	147	23	17
TWIN BOX BV 15/15 1,1kW	127	147	23	17
TWIN BOX BV 15/15 1,5kW	127	147	23	17
TWIN BOX BV 15/15 2,2kW	127	147	23	17
TWIN BOX BV 15/15 3kW	127	147	23	17
TWIN BOX BV 15/15 4kW	127	147	23	17
TWIN BOX BV 18/18 1,1kW	120,5	140	23	17
TWIN BOX BV 18/18 1,5kW	120,5	140	23	17
TWIN BOX BV 18/18 2,2kW	120,5	140	23	17
TWIN BOX BV 18/18 3kW	120,5	140	23	17
TWIN BOX BV 18/18 4kW	120,5	140	23	17
TWIN BOX BV 18/18 5,5kW	120,5	140	23	17

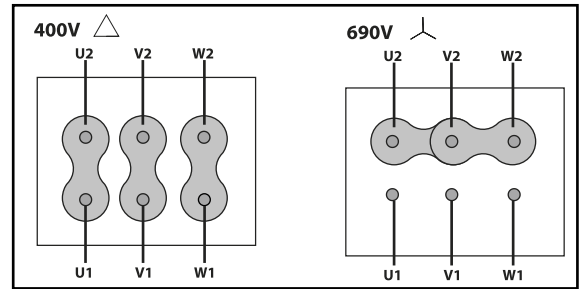
Wiring diagram

DIAGRAM Nº 1

230/400V



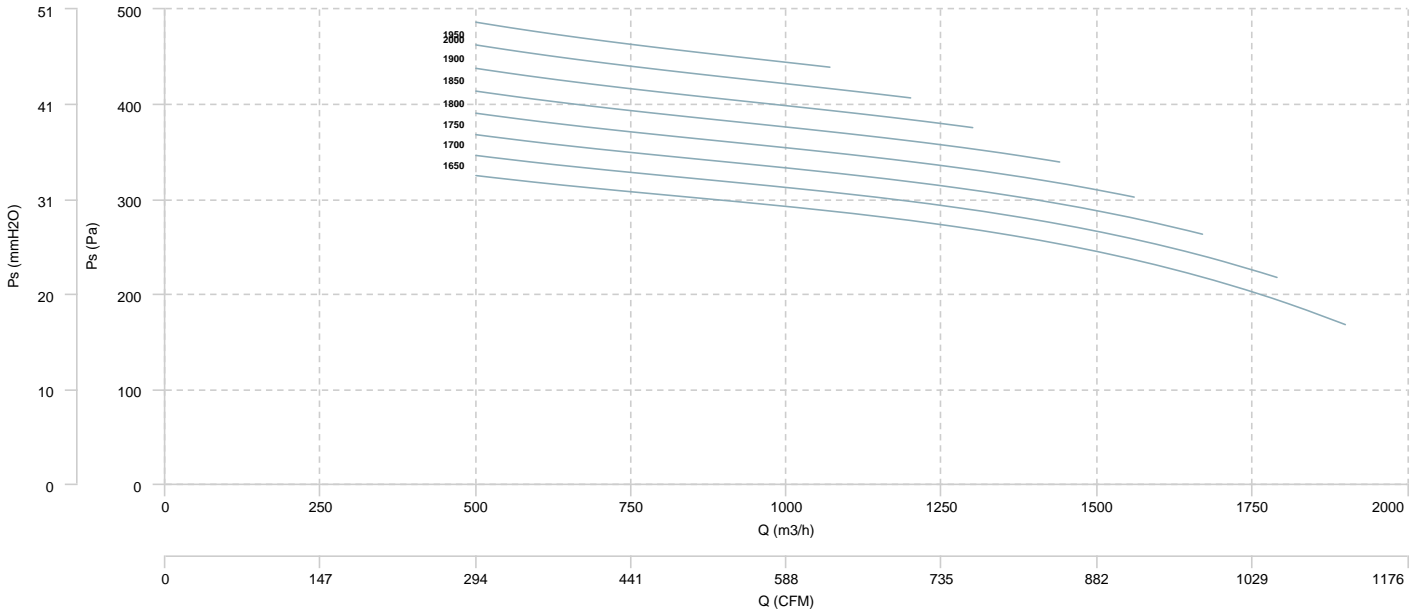
400/690V



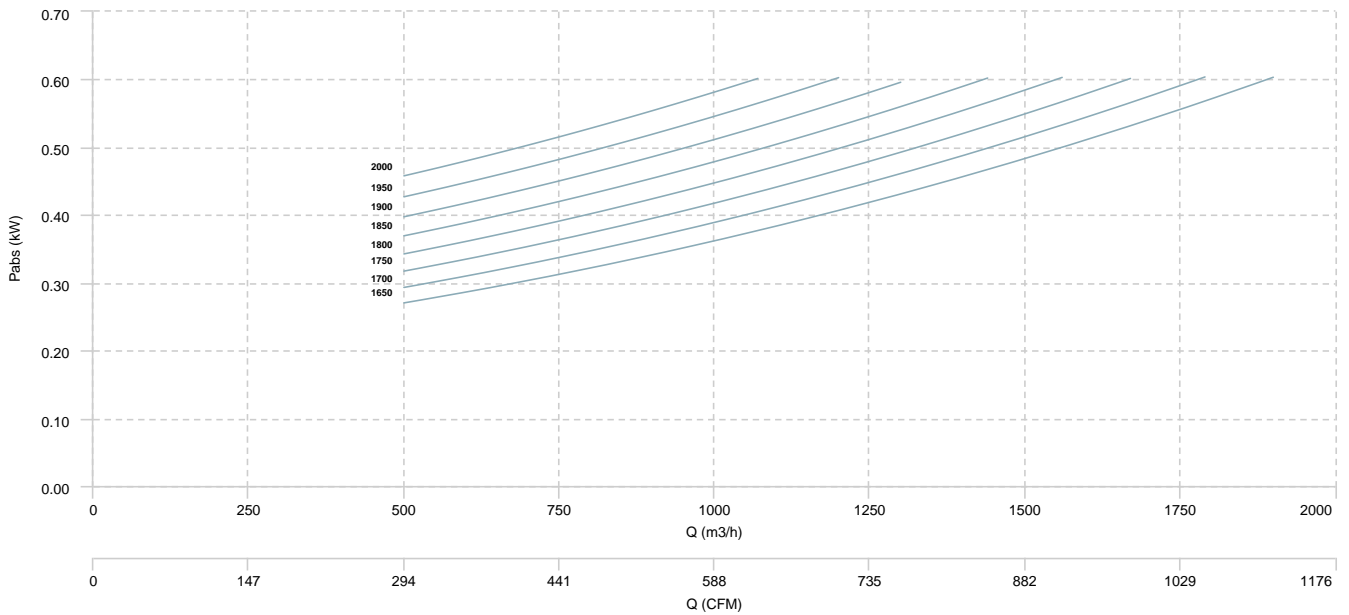
CHARACTERISCTIC CURVE

TWIN BOX BV 7/7 0,37kW

AIR FLOW - PRESSURE

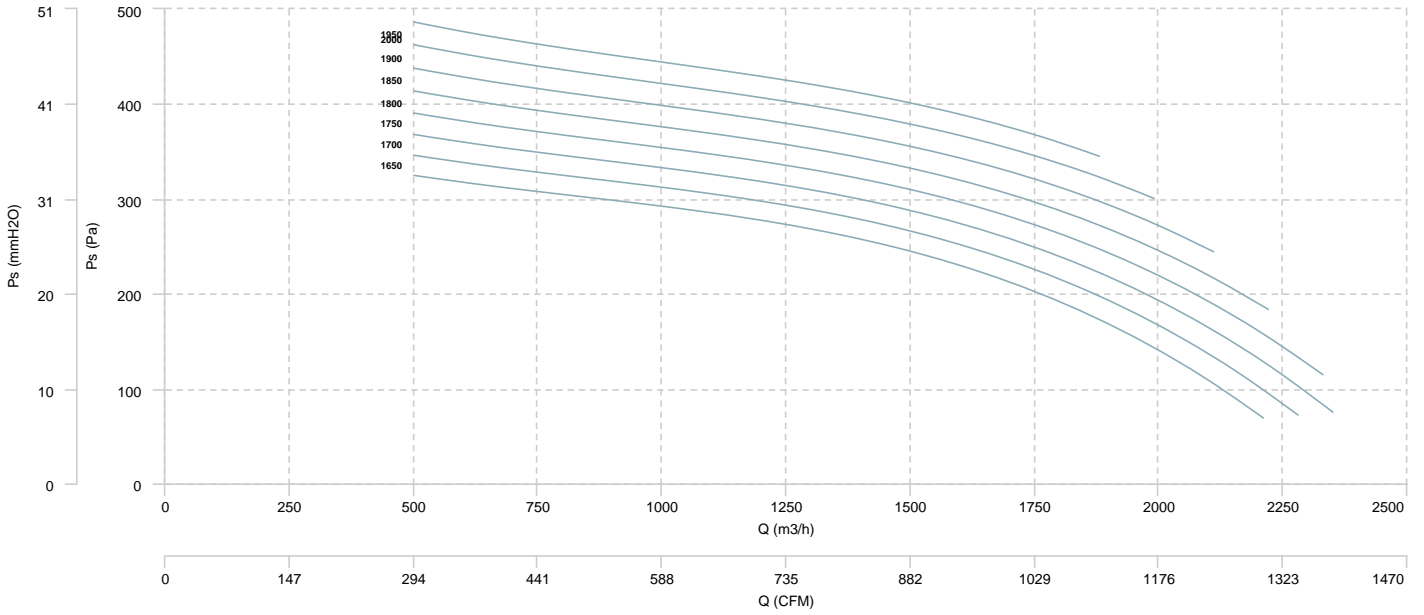


AIR FLOW - ABSORBED POWER

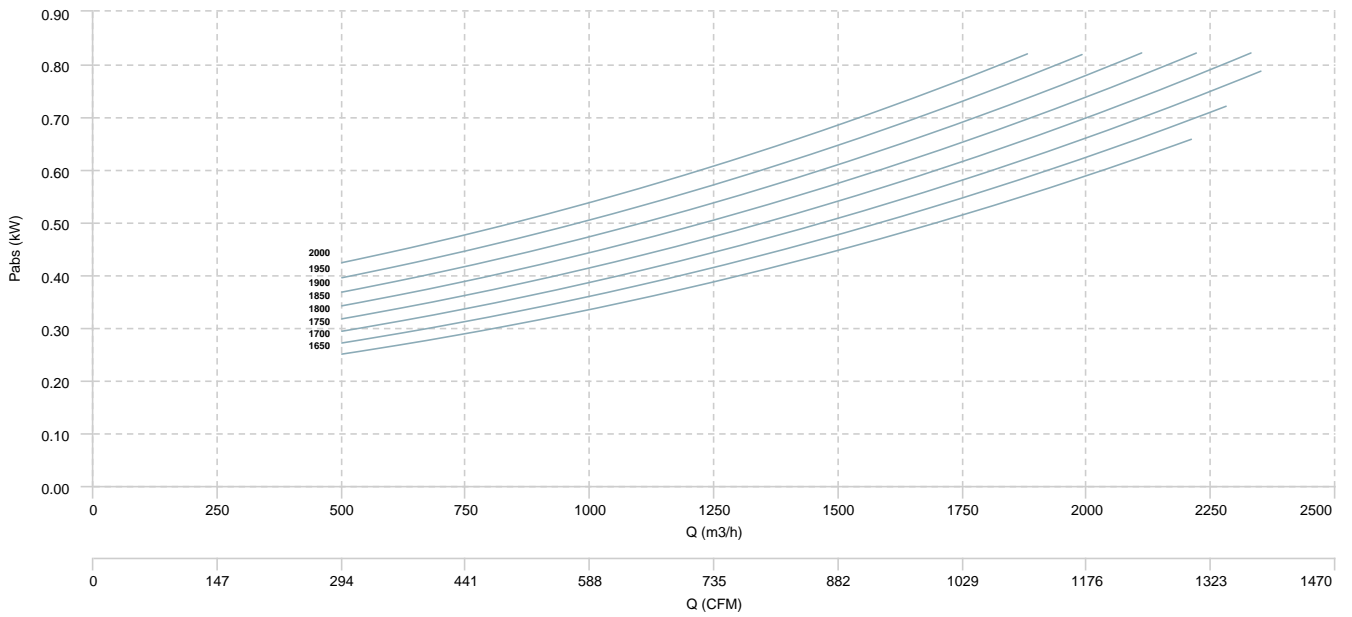


TWIN BOX BV 7/7 0,55kW

AIR FLOW - PRESSURE

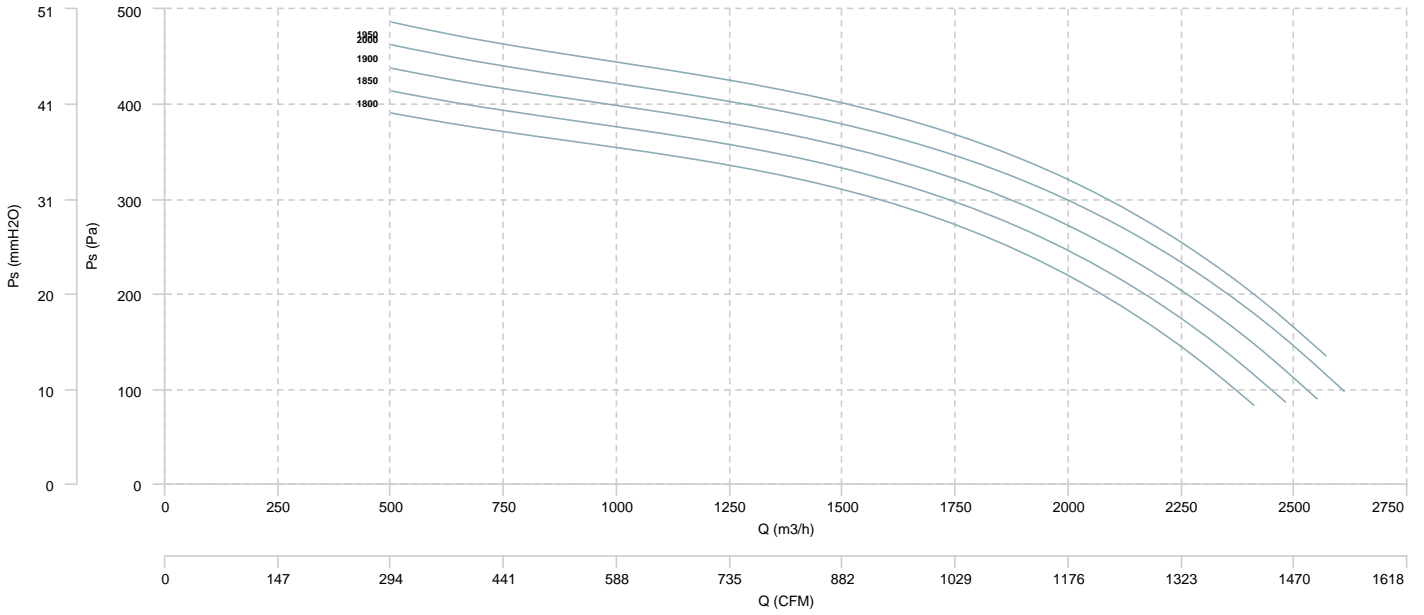


AIR FLOW - ABSORBED POWER

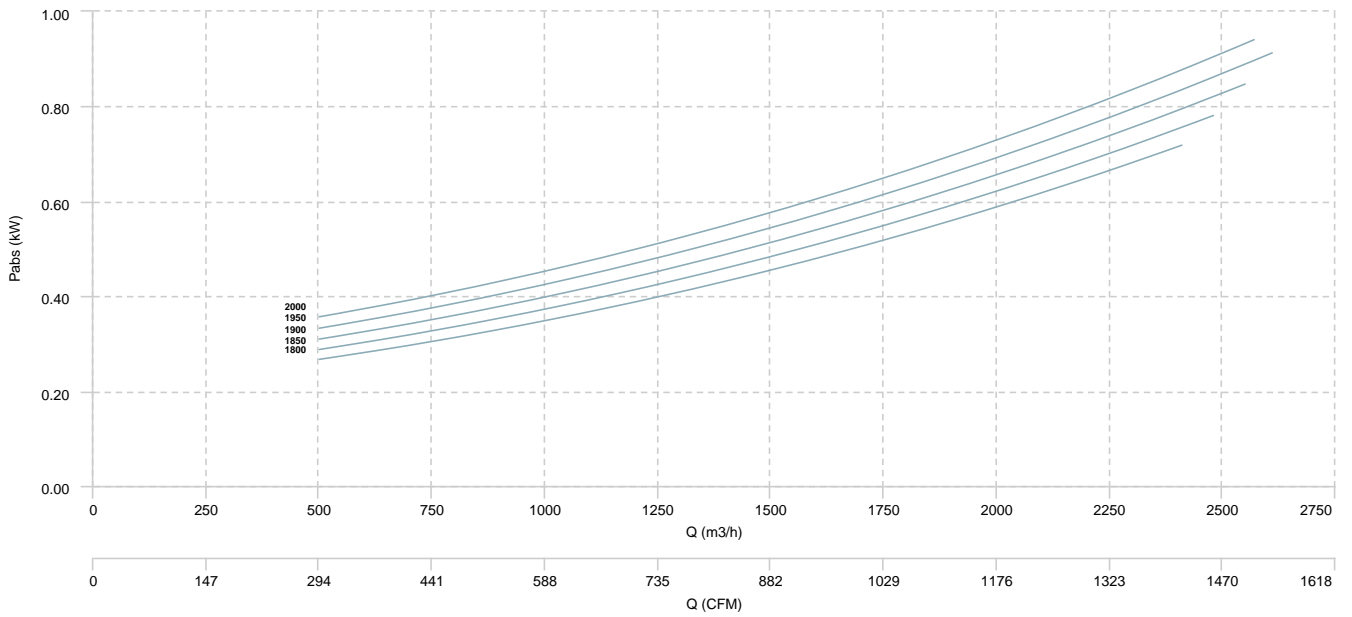


TWIN BOX BV 7/7 0,75kW

AIR FLOW - PRESSURE

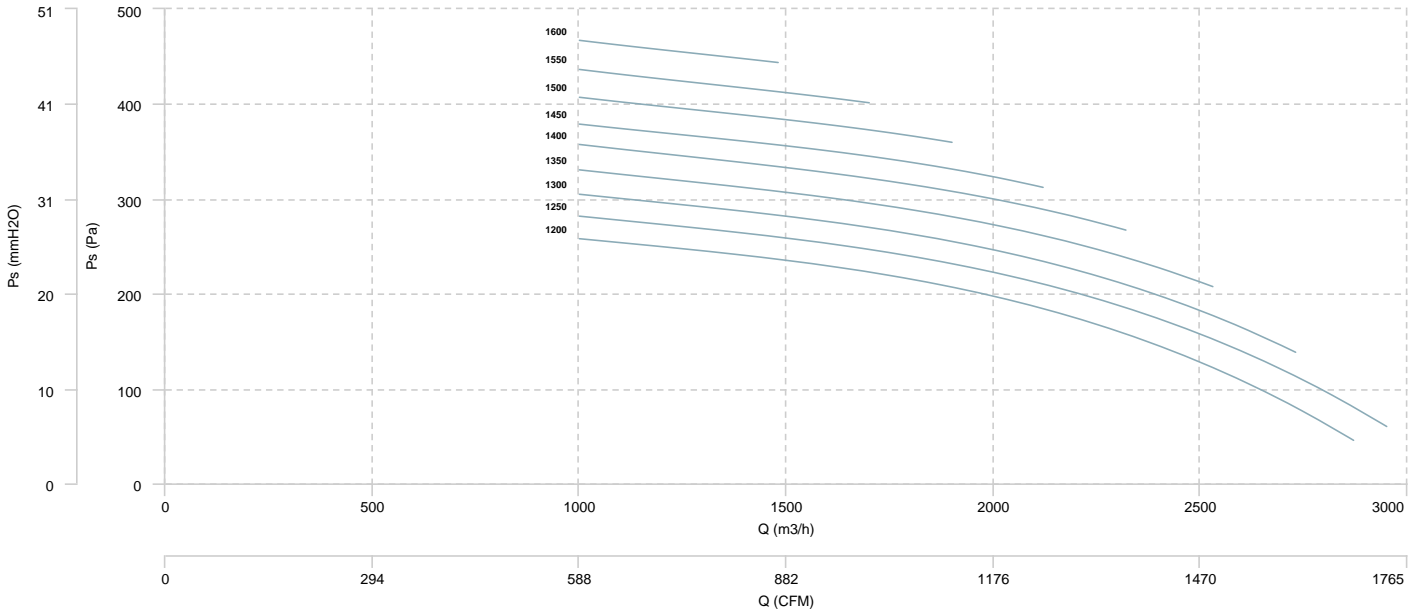


AIR FLOW - ABSORBED POWER

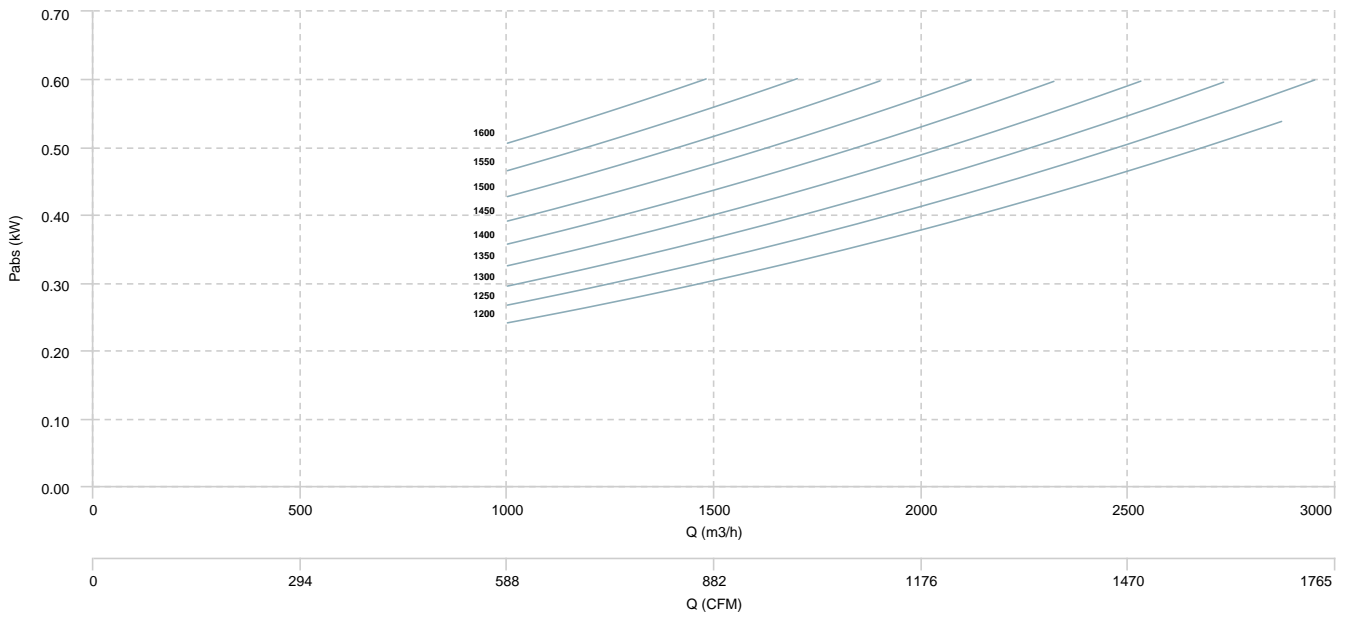


TWIN BOX BV 9/9 0,37kW

AIR FLOW - PRESSURE

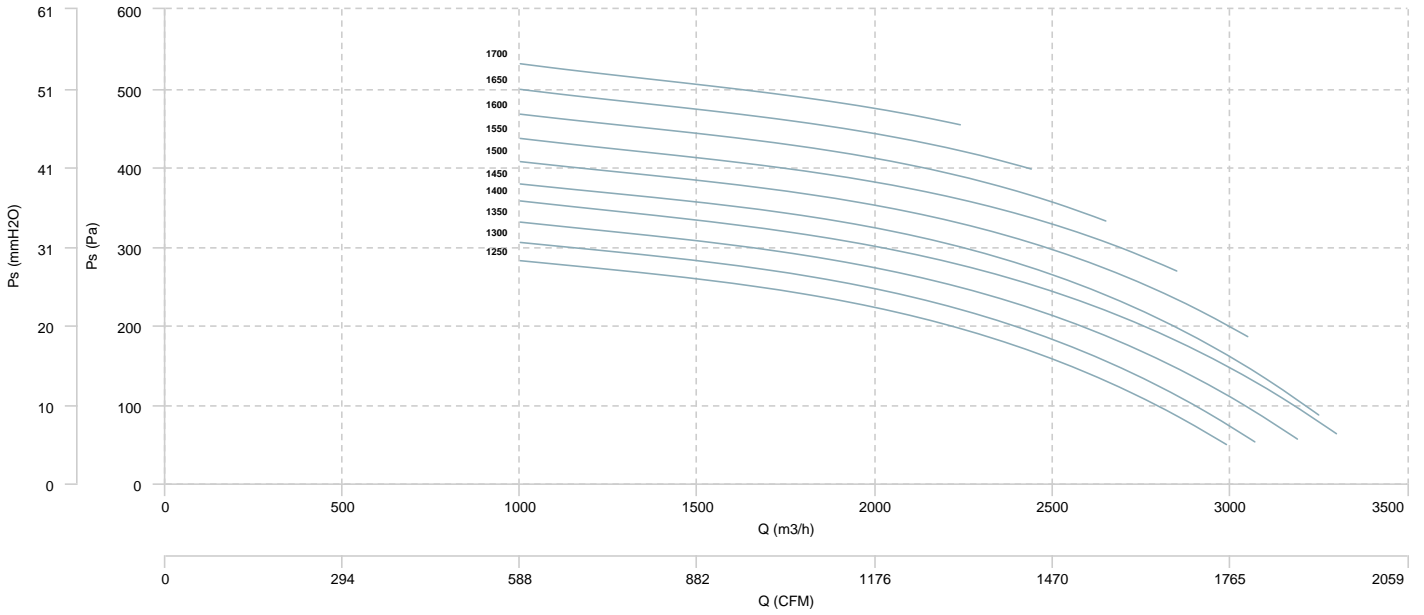


AIR FLOW - ABSORBED POWER

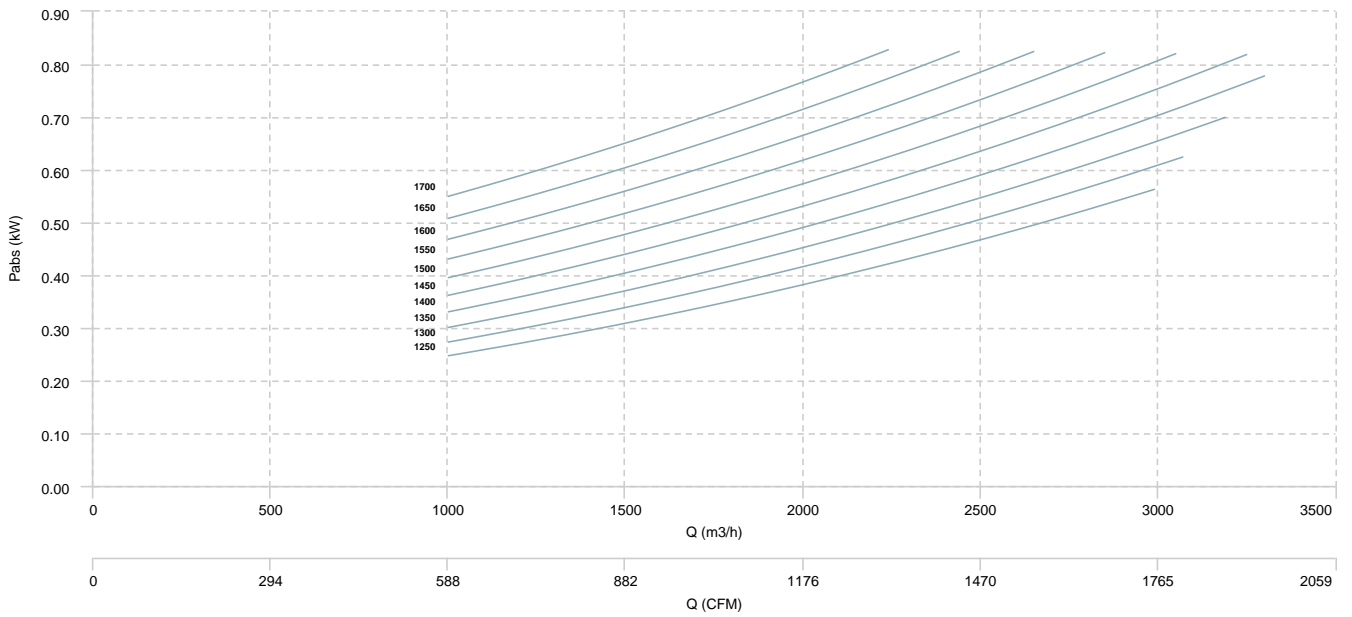


TWIN BOX BV 9/9 0,55kW

AIR FLOW - PRESSURE

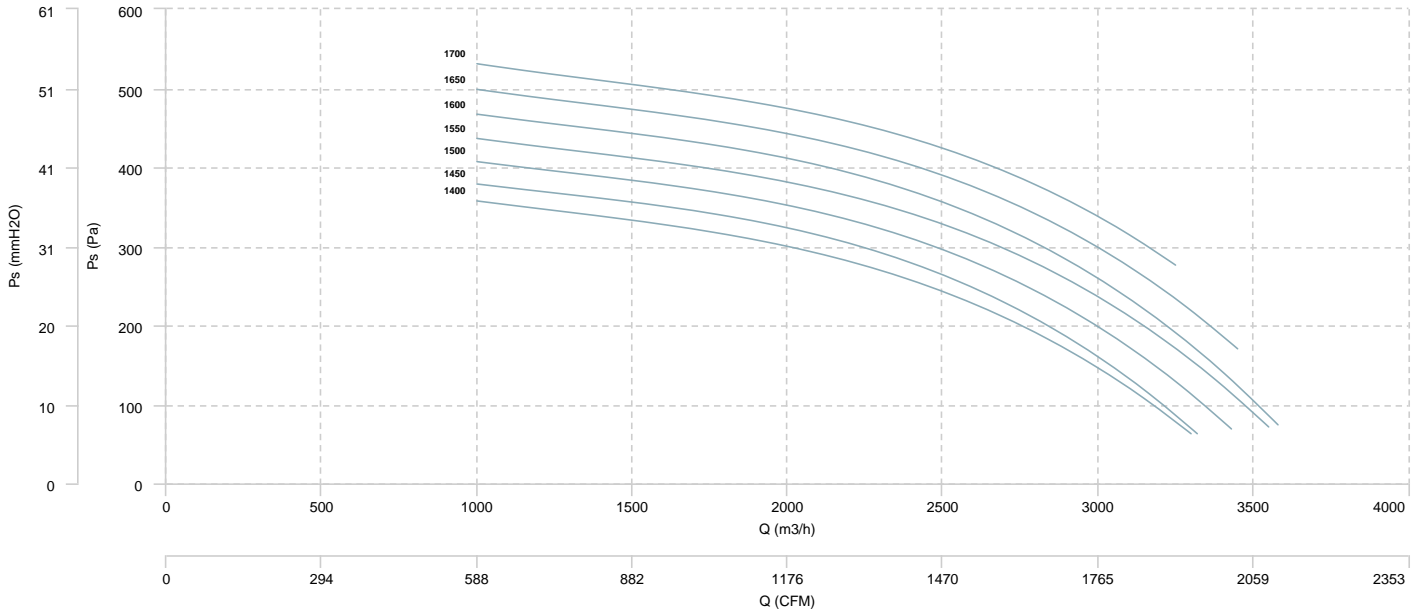


AIR FLOW - ABSORBED POWER

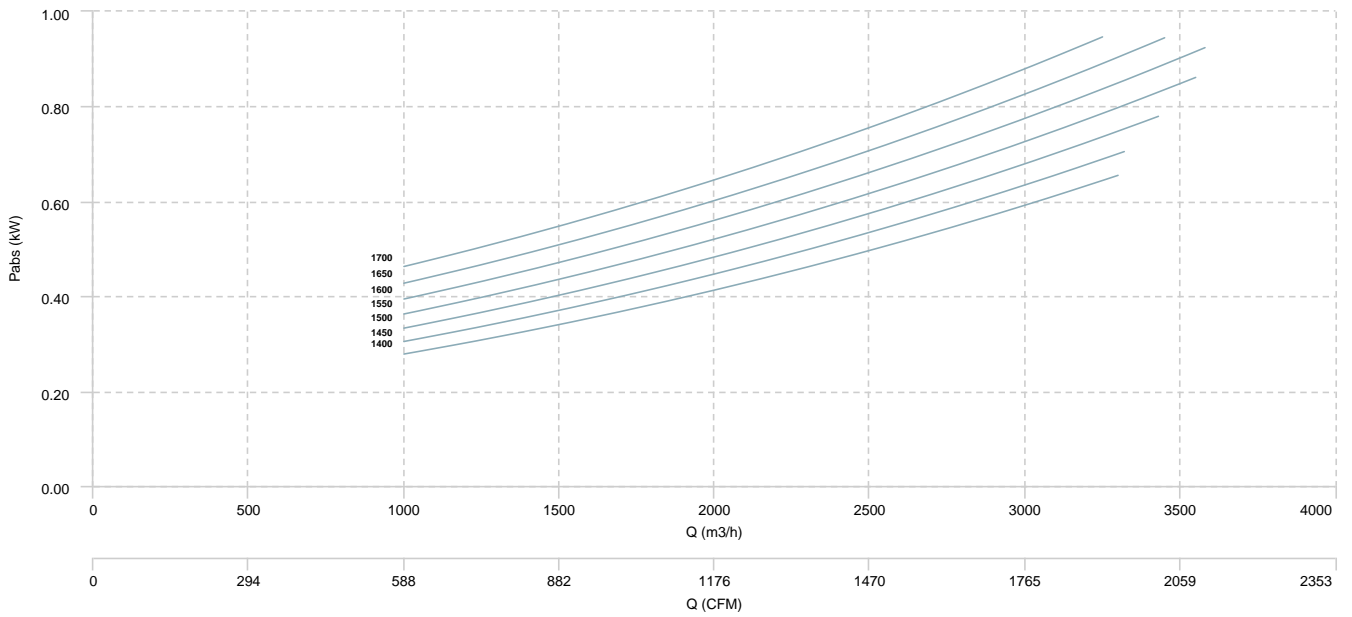


TWIN BOX BV 9/9 0,75kW

AIR FLOW - PRESSURE

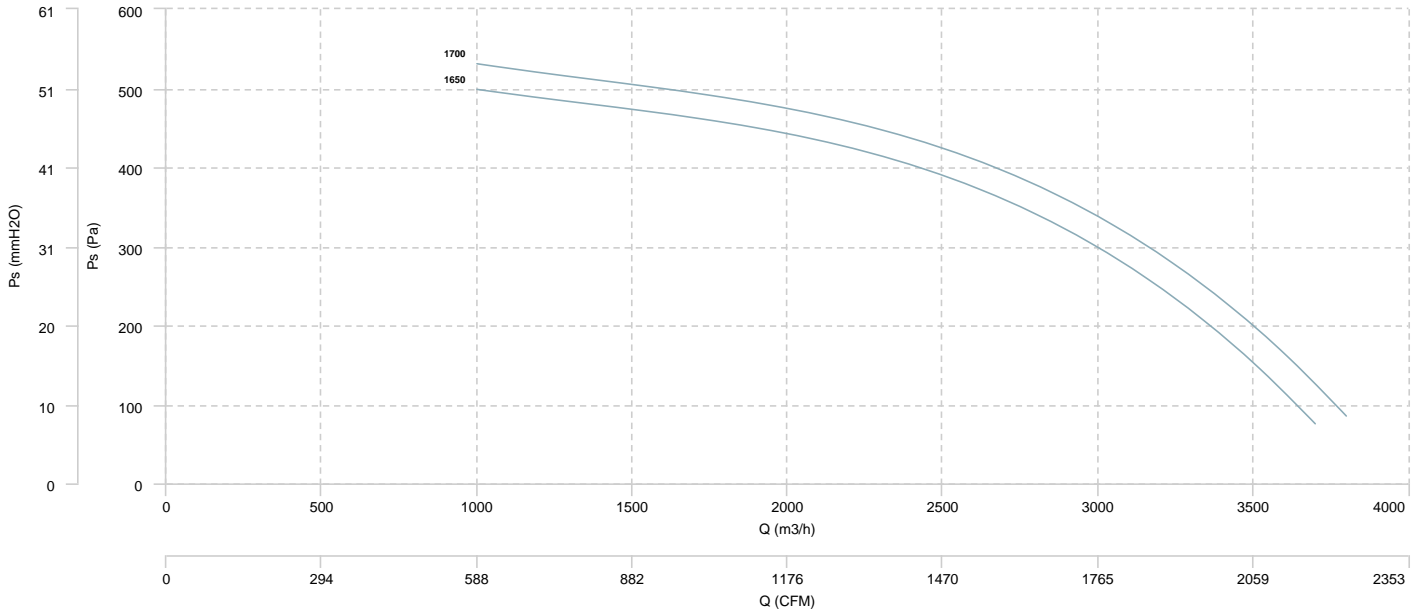


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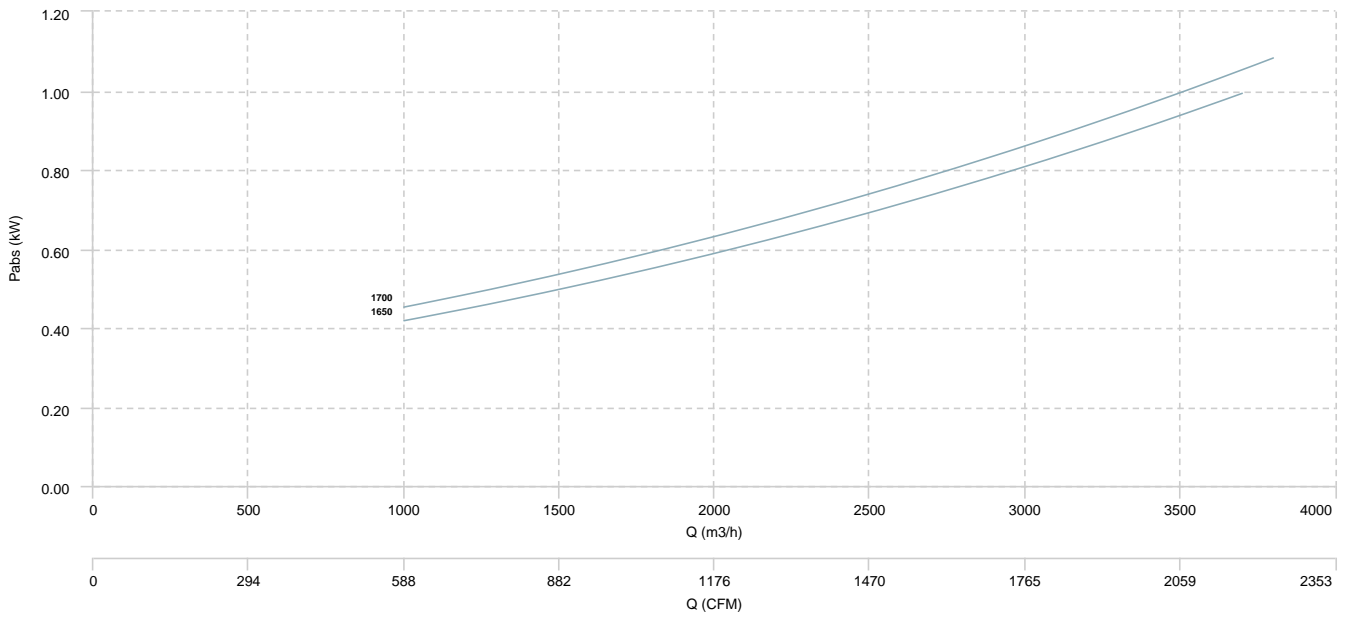


TWIN BOX BV 9/9 1,1kW

AIR FLOW - PRESSURE

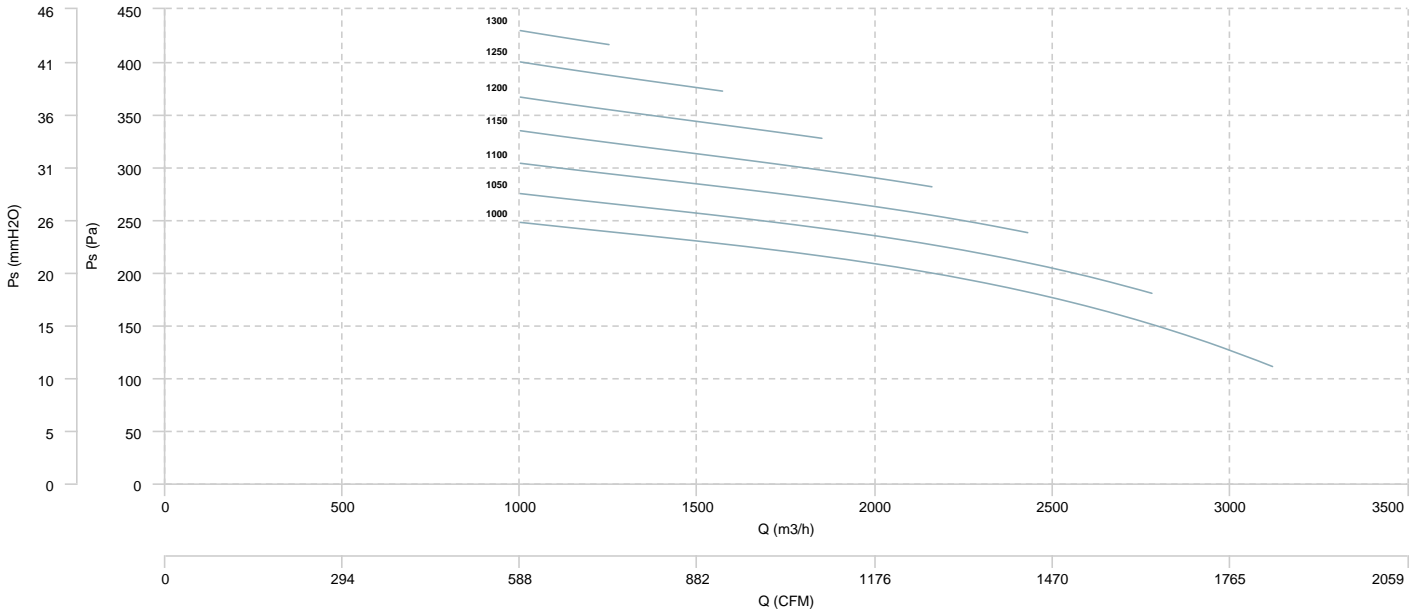


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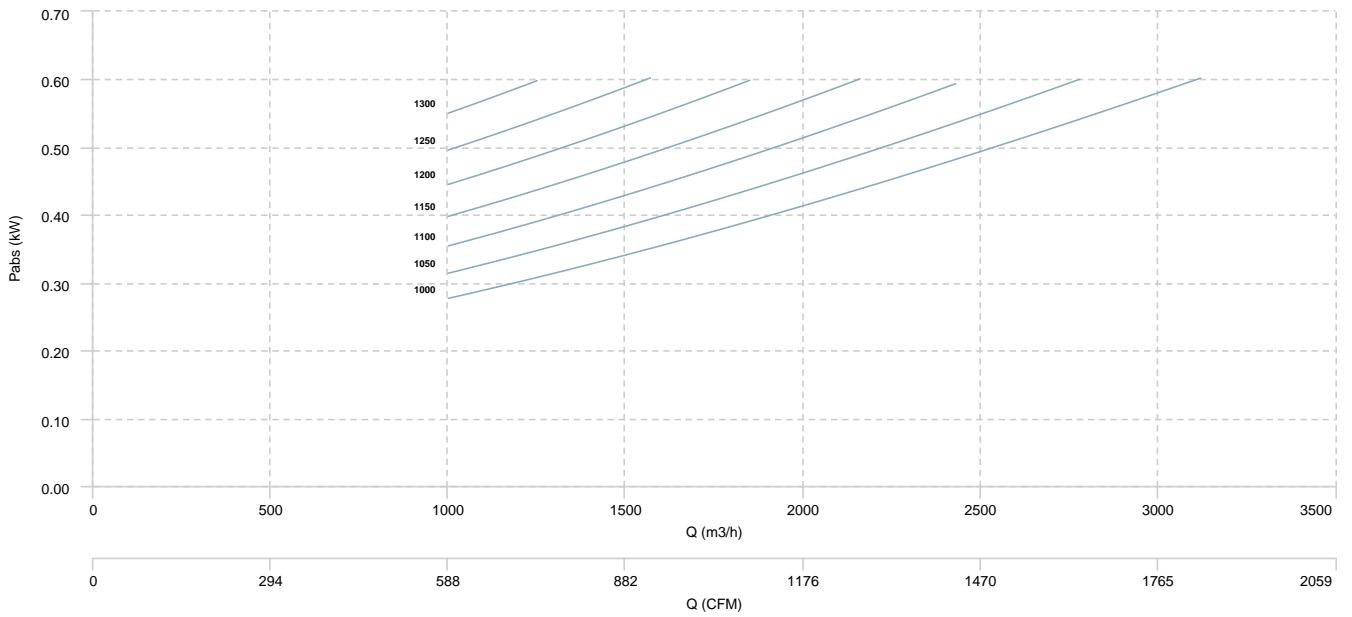


TWIN BOX BV 10/10 0,37kW

AIR FLOW - PRESSURE

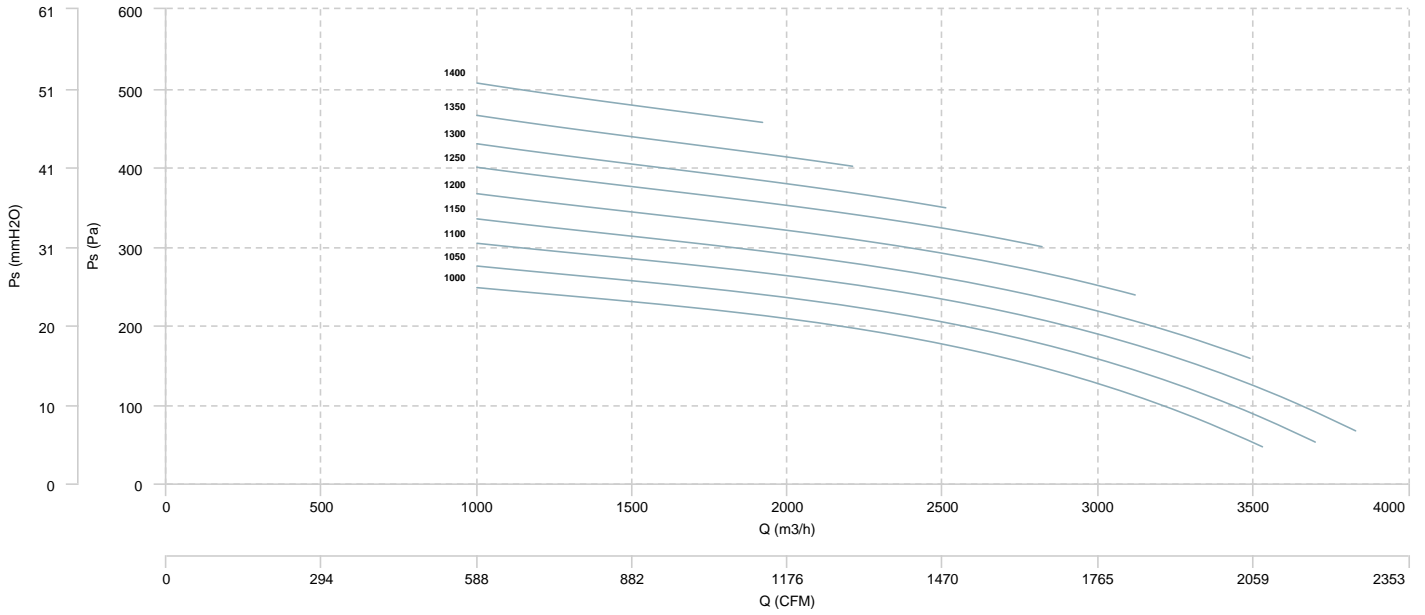


AIR FLOW - ABSORBED POWER

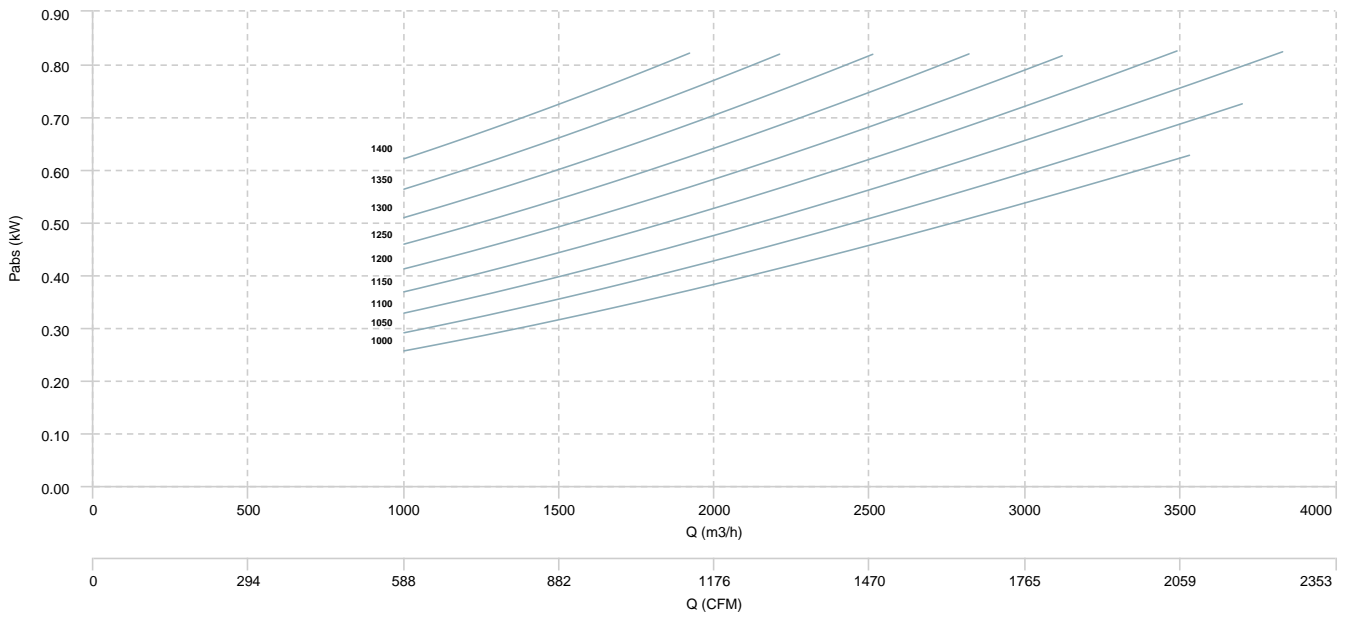


TWIN BOX BV 10/10 0,55kW

AIR FLOW - PRESSURE

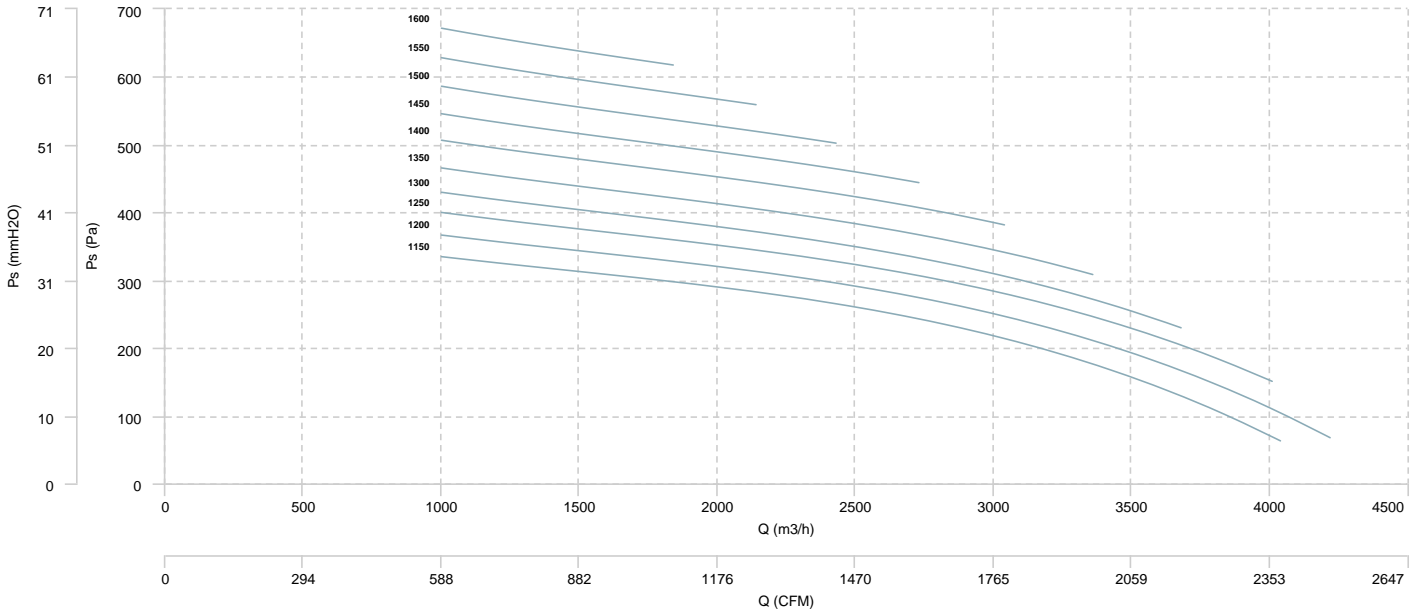


AIR FLOW - ABSORBED POWER

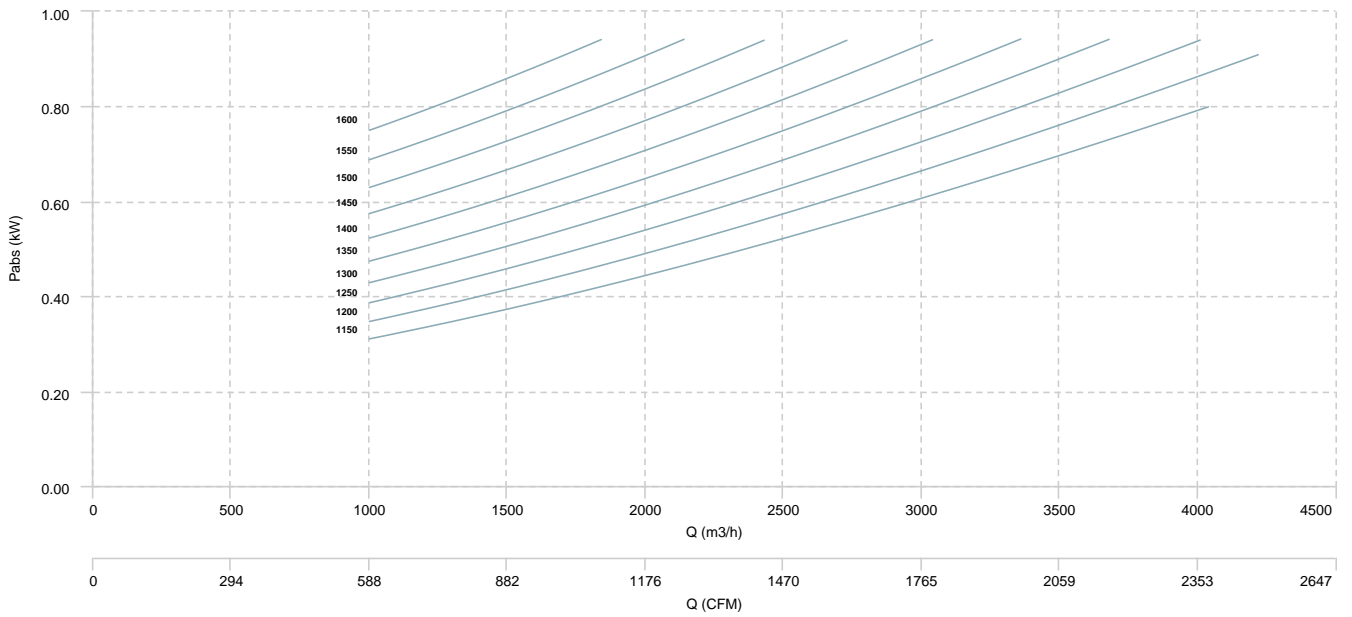


TWIN BOX BV 10/10 0,75kW

AIR FLOW - PRESSURE

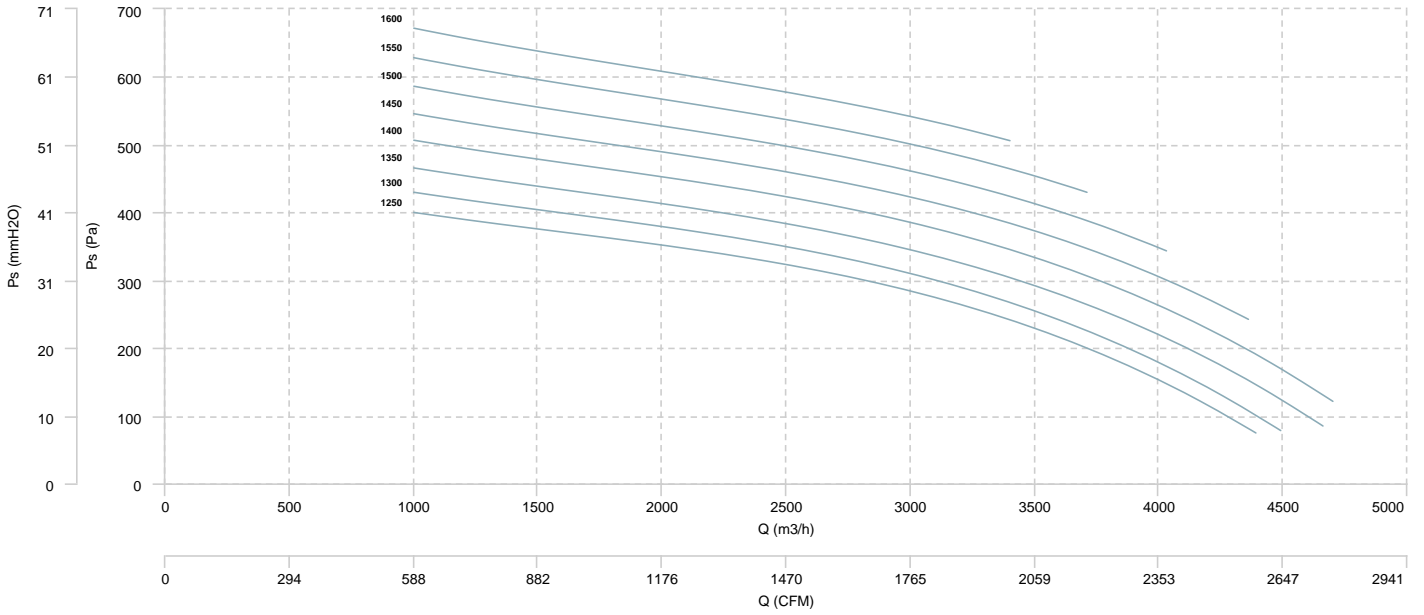


AIR FLOW - ABSORBED POWER

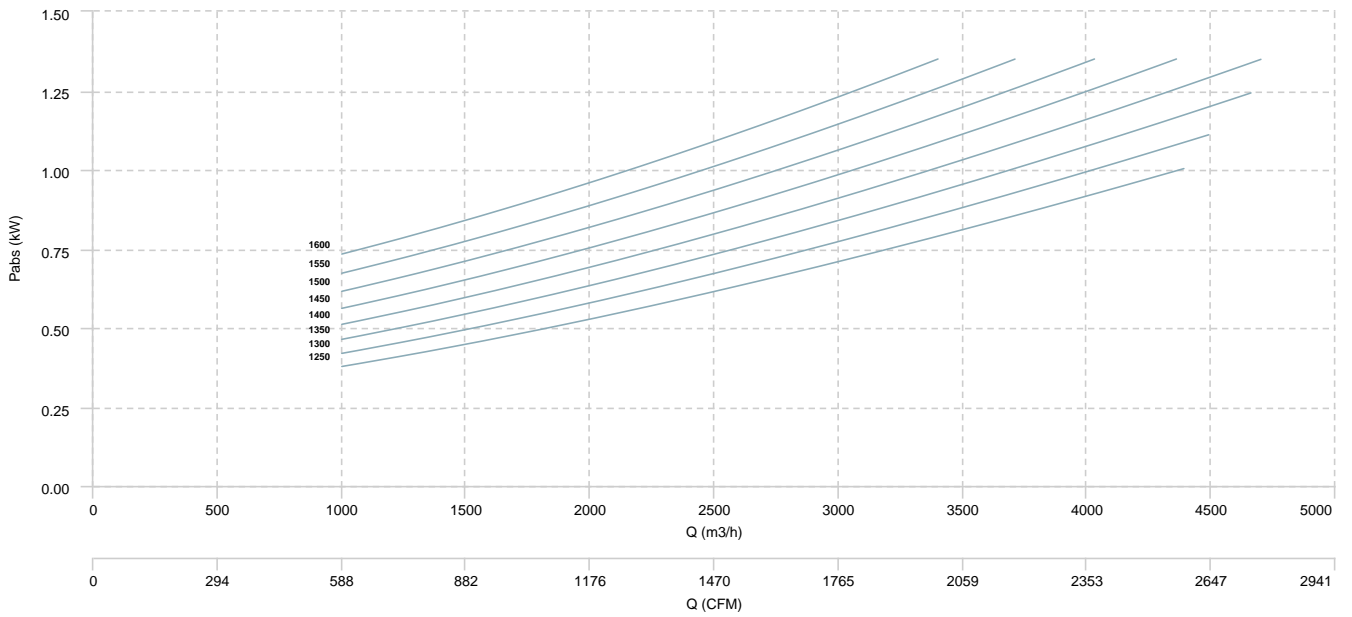


TWIN BOX BV 10/10 1,1kW

AIR FLOW - PRESSURE

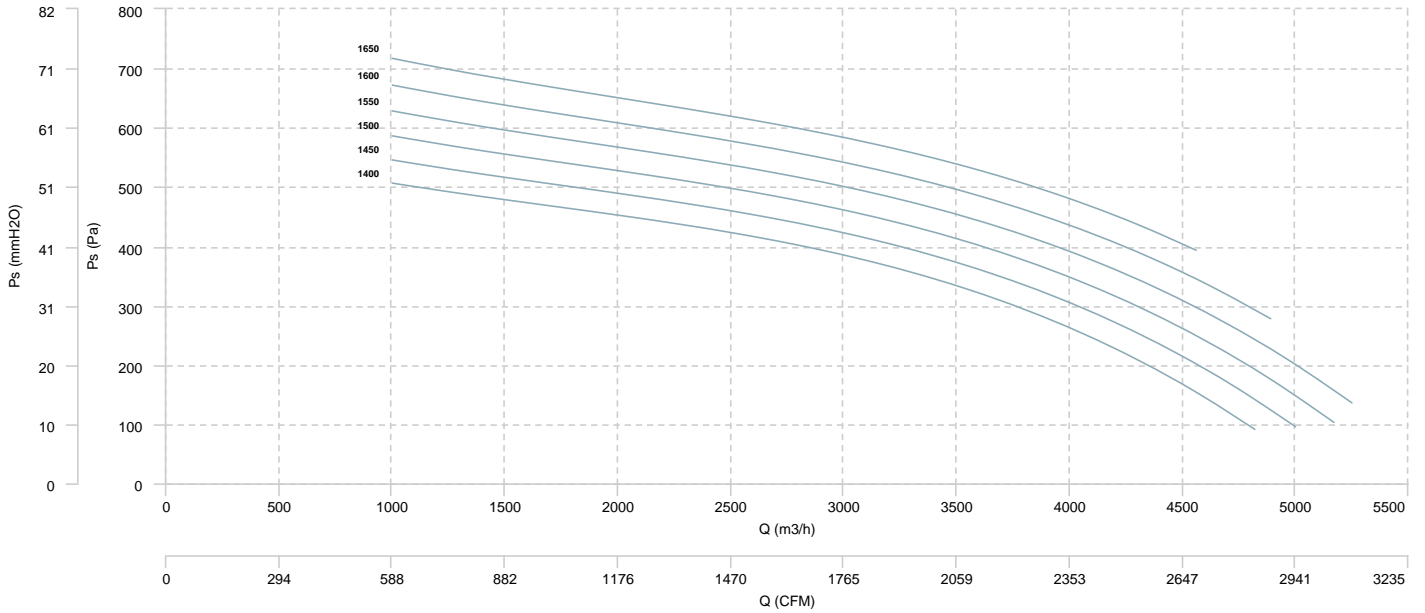


AIR FLOW - ABSORBED POWER

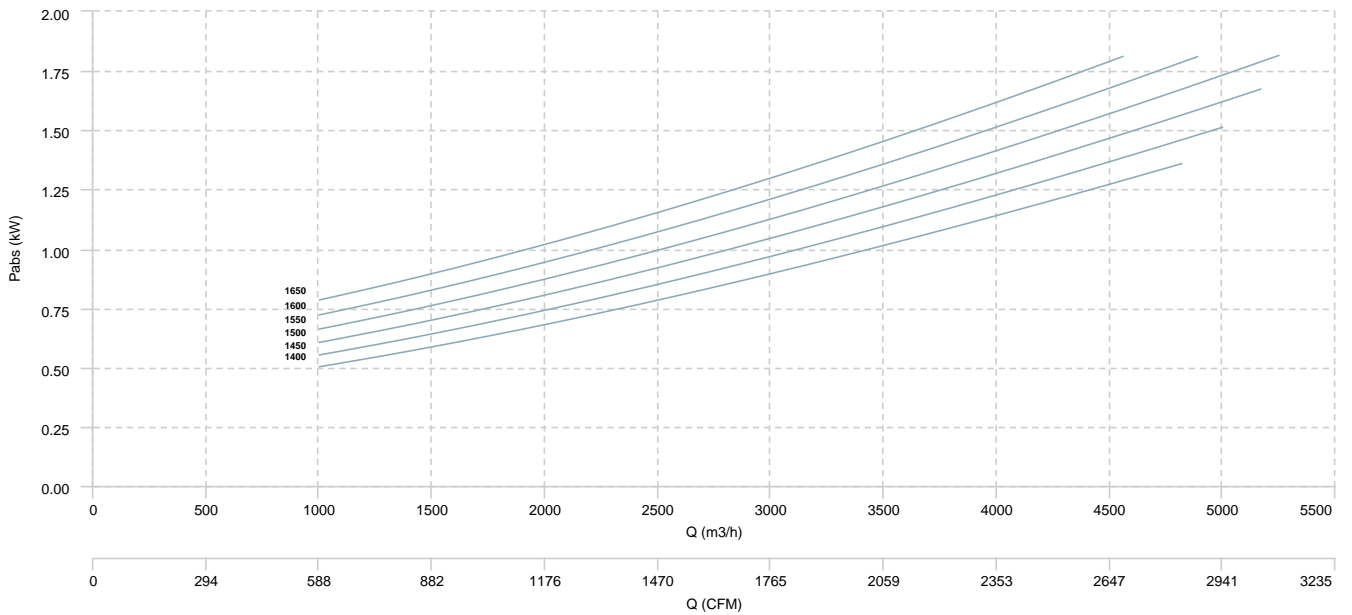


TWIN BOX BV 10/10 1,5kW

AIR FLOW - PRESSURE

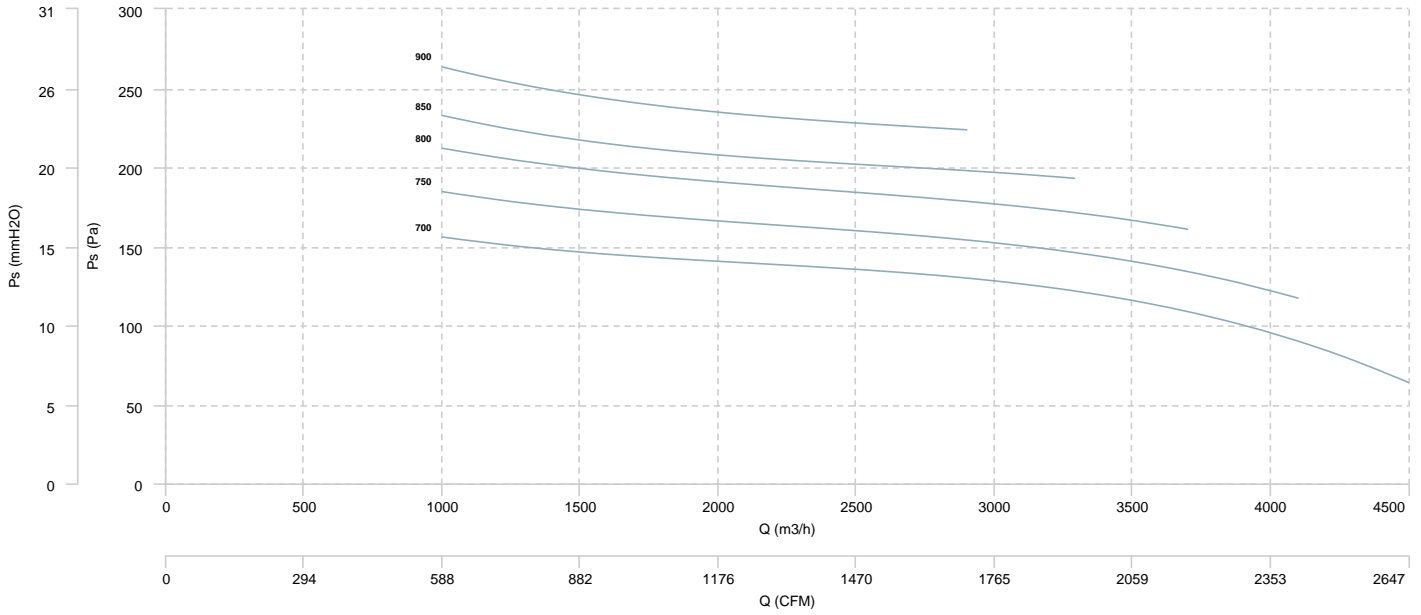


AIR FLOW - ABSORBED POWER

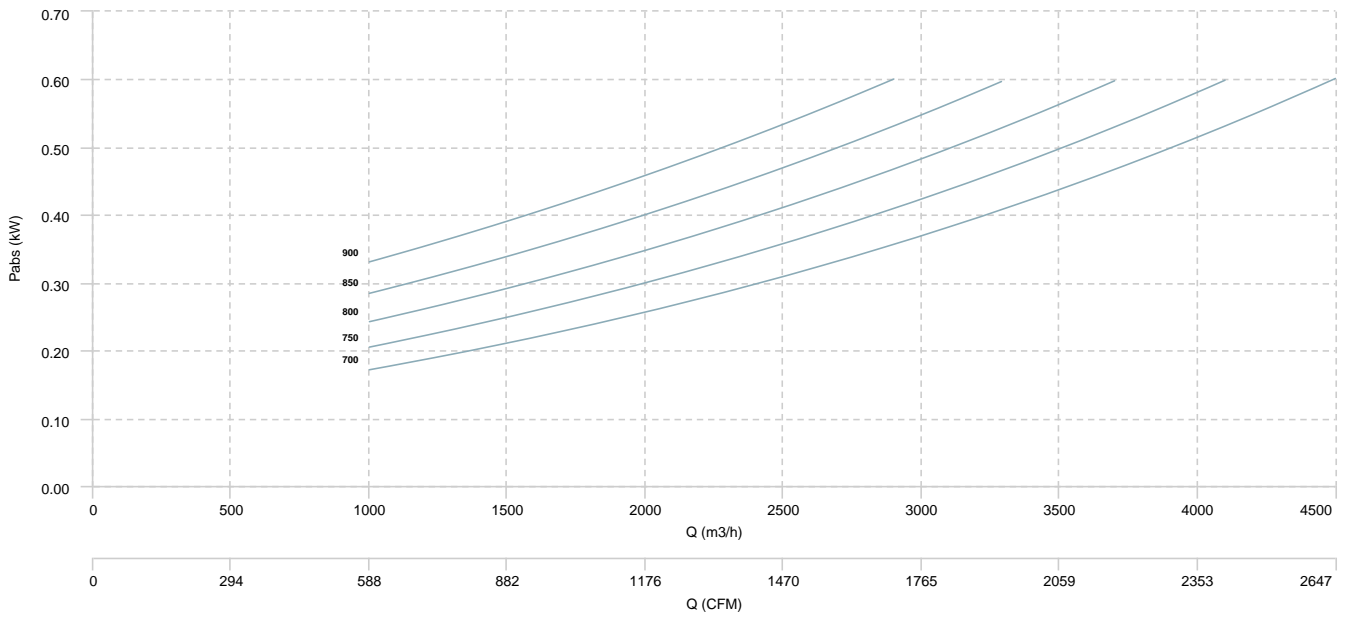


TWIN BOX BV 12/12 0,37kW

AIR FLOW - PRESSURE

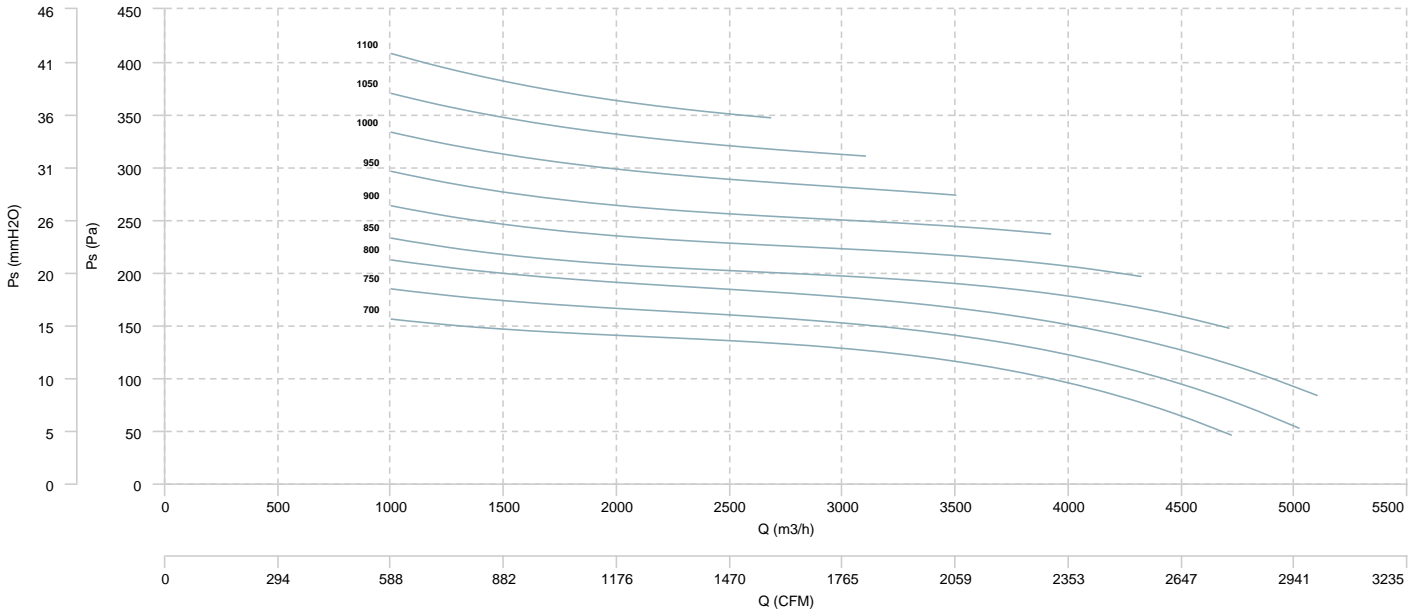


AIR FLOW - ABSORBED POWER

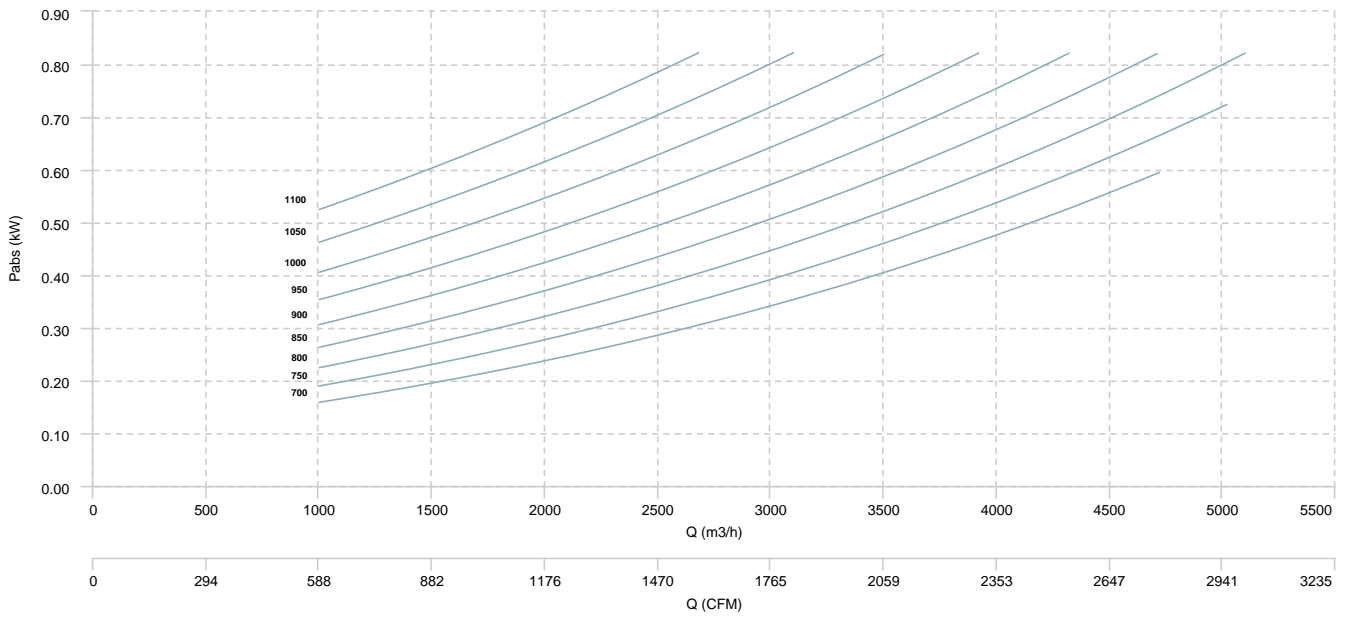


TWIN BOX BV 12/12 0,55kW

AIR FLOW - PRESSURE

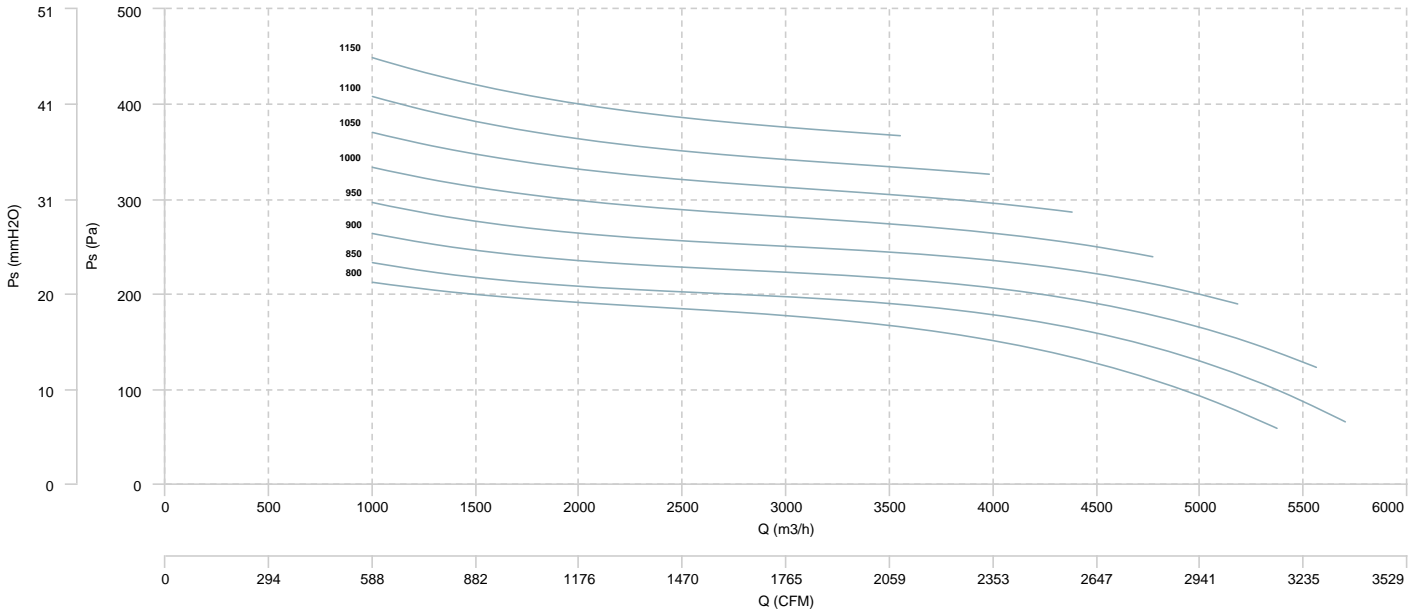


AIR FLOW - ABSORBED POWER

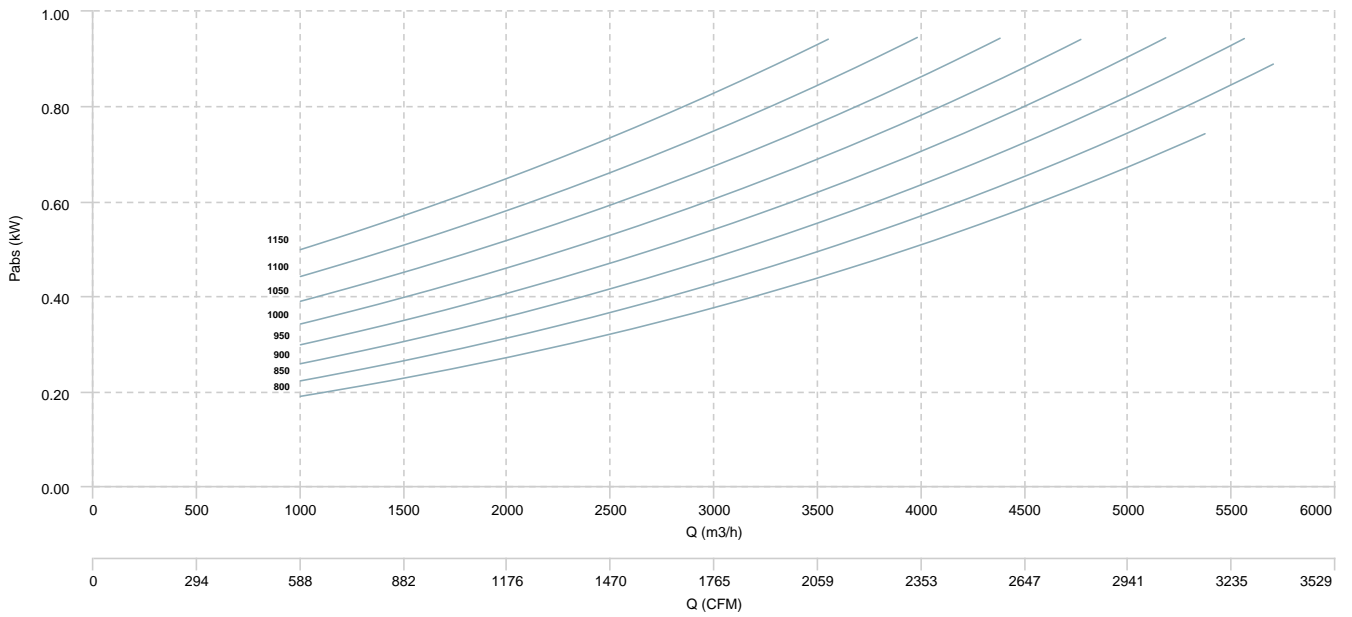


TWIN BOX BV 12/12 0,75kW

AIR FLOW - PRESSURE

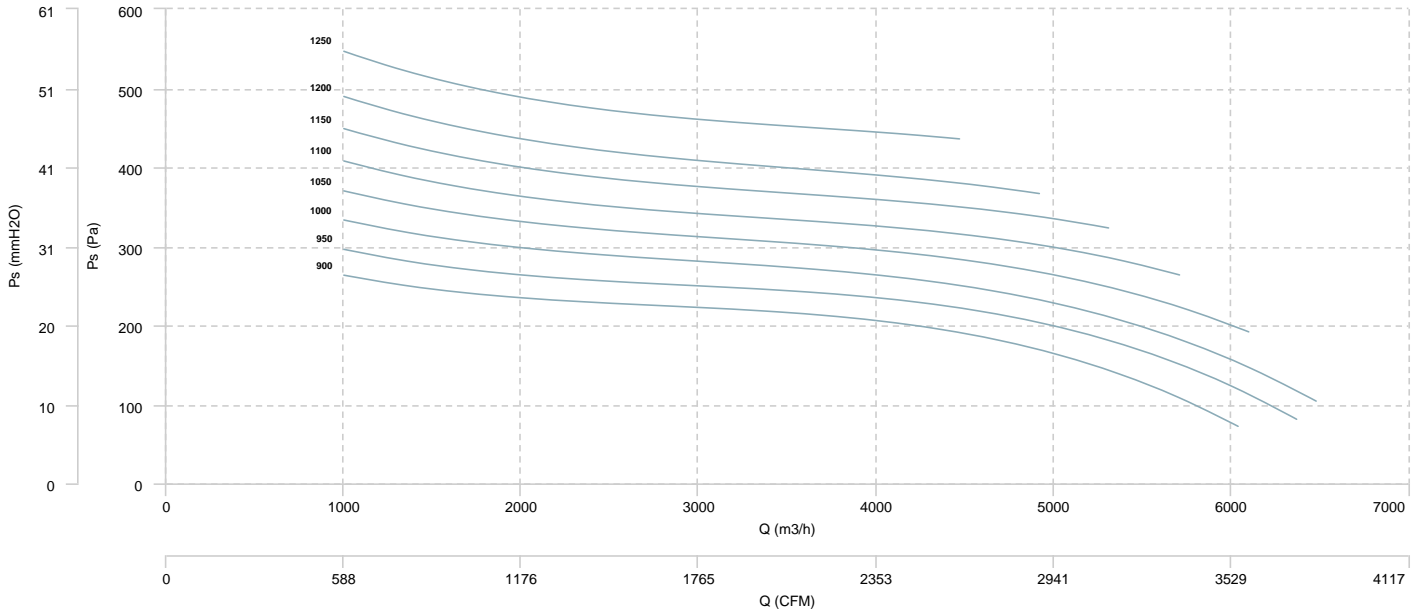


AIR FLOW - ABSORBED POWER

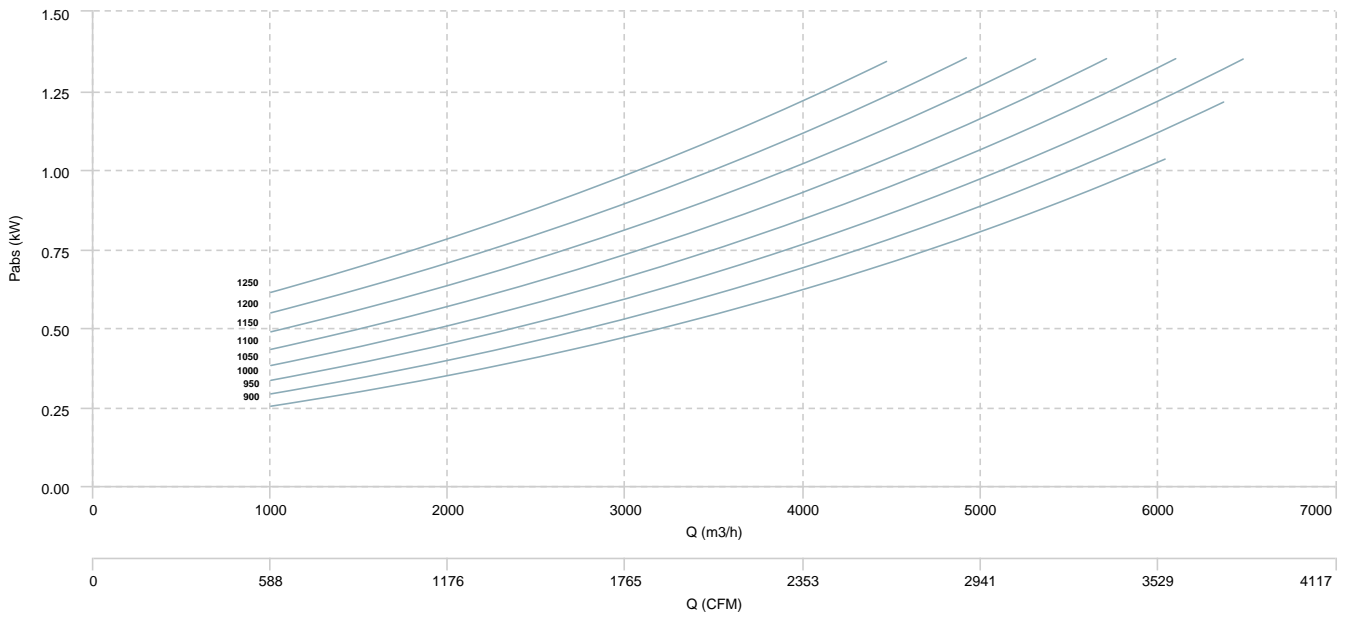


TWIN BOX BV 12/12 1,1kW

AIR FLOW - PRESSURE

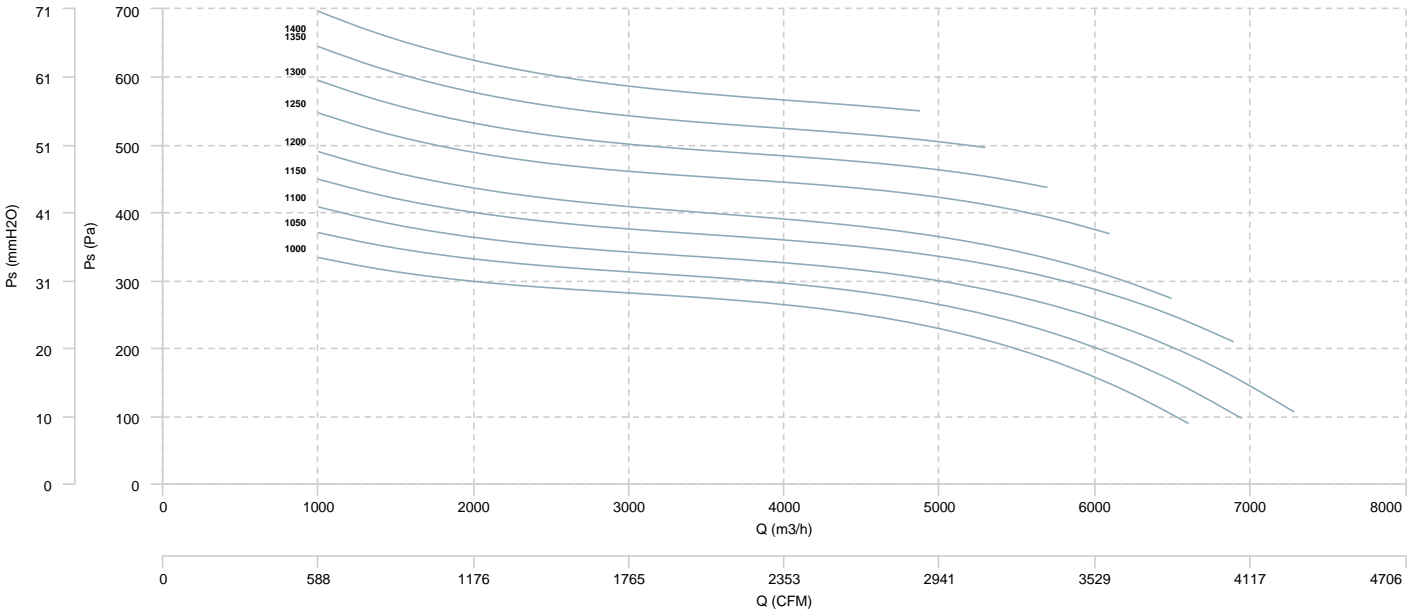


AIR FLOW - ABSORBED POWER

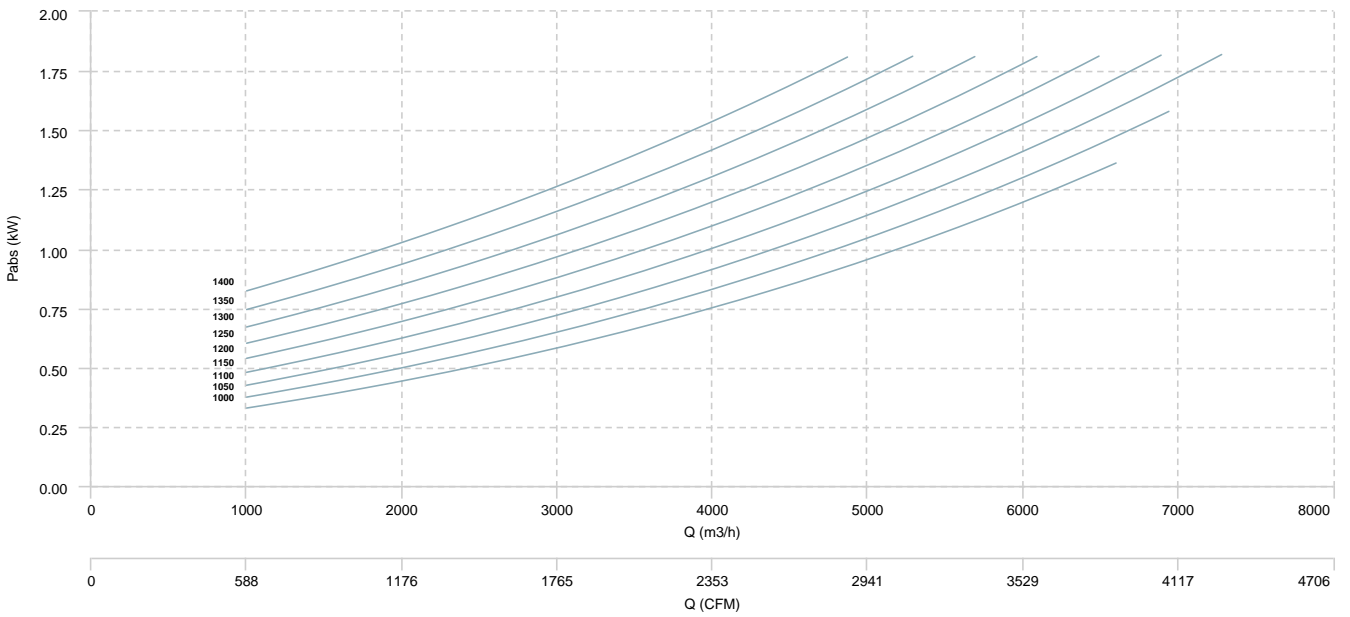


TWIN BOX BV 12/12 1,5kW

AIR FLOW - PRESSURE

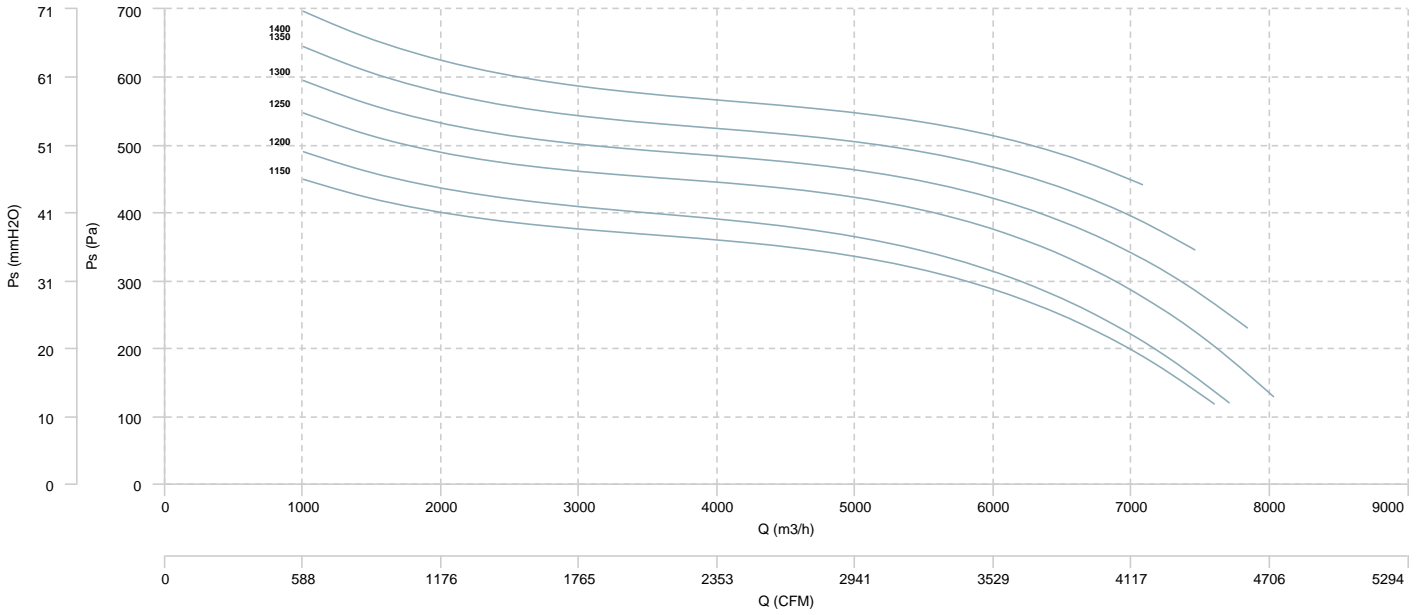


AIR FLOW - ABSORBED POWER

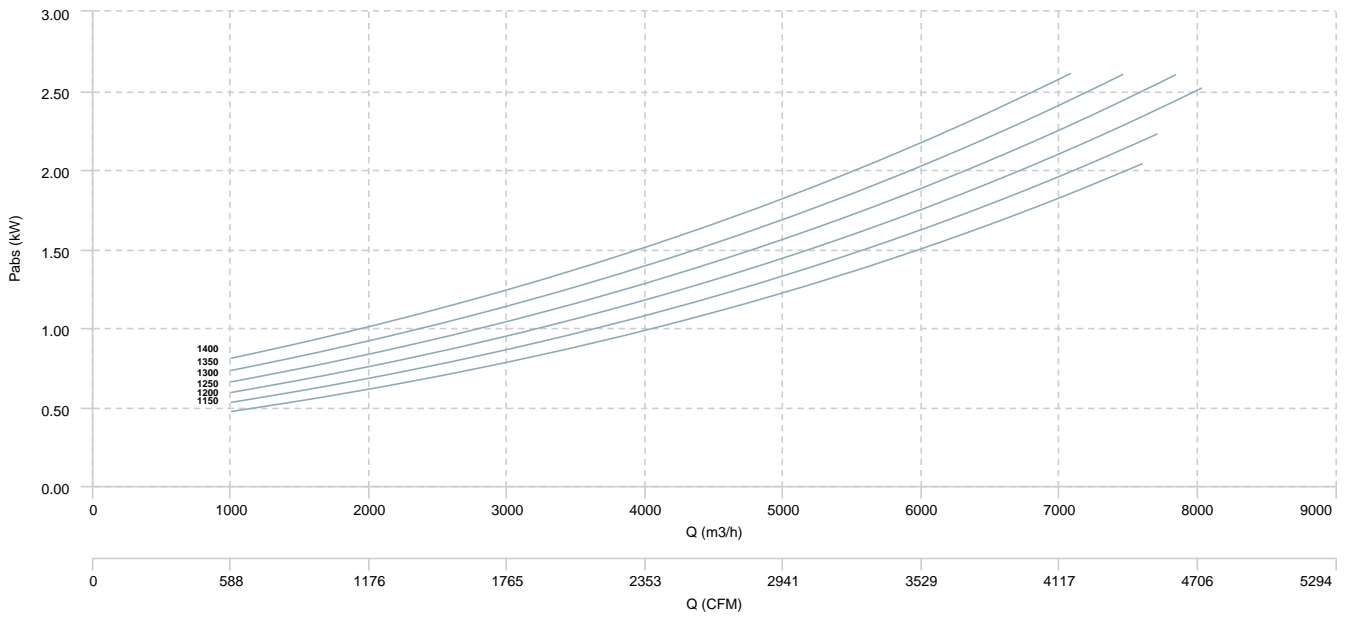


TWIN BOX BV 12/12 2,2kW

AIR FLOW - PRESSURE

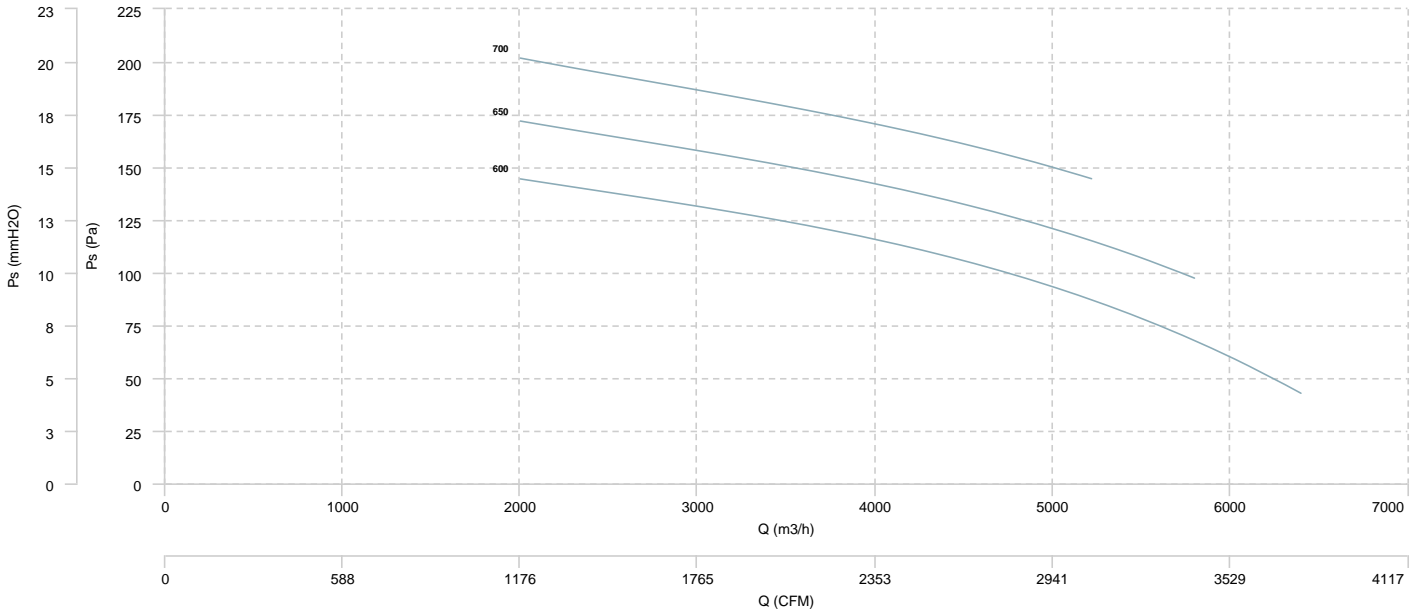


AIR FLOW - ABSORBED POWER

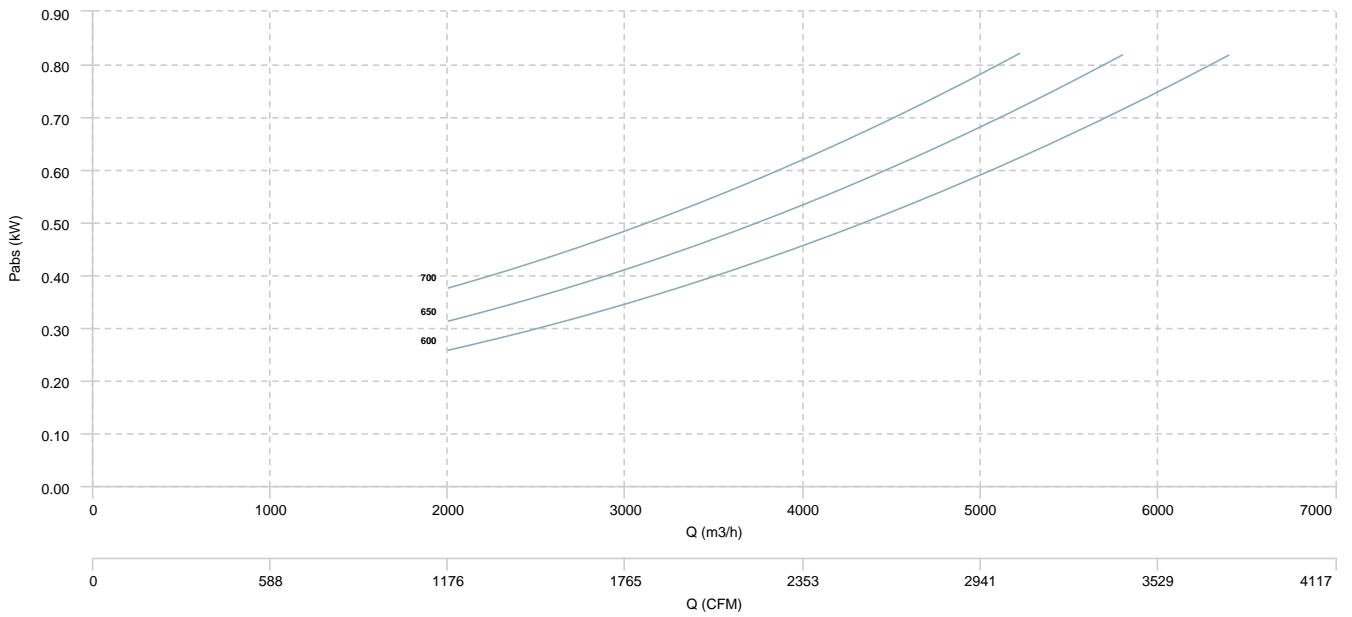


TWIN BOX BV 15/15 0,55kW

AIR FLOW - PRESSURE

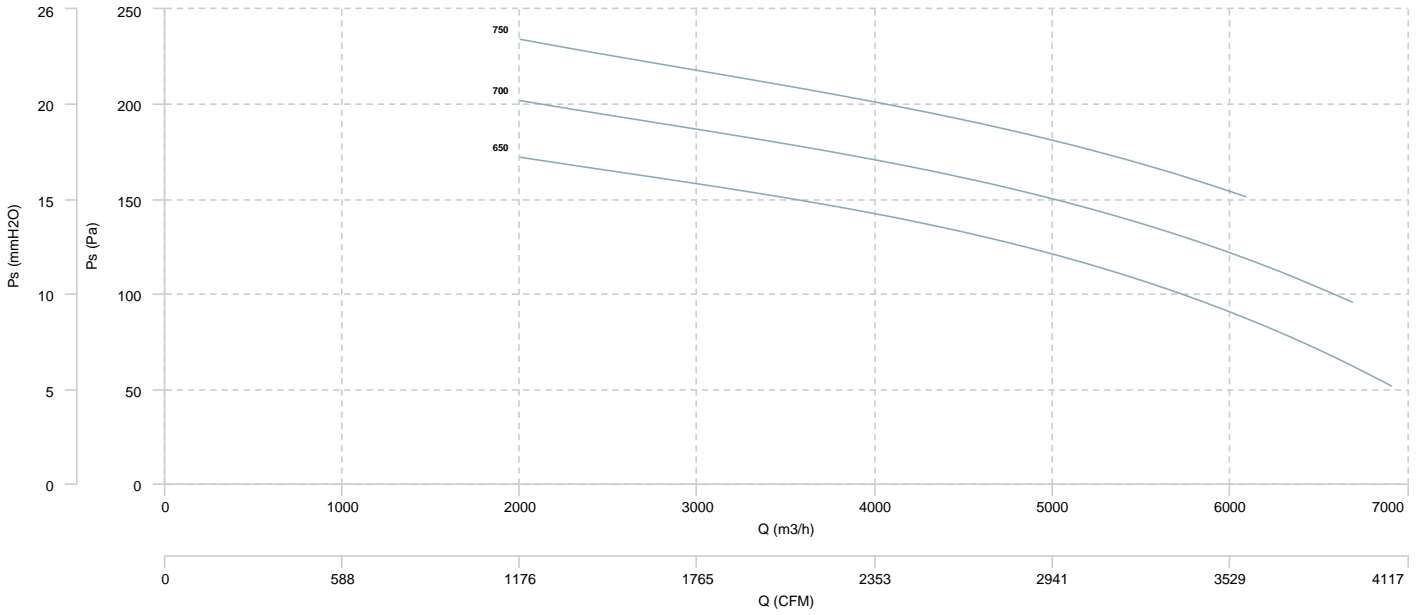


AIR FLOW - ABSORBED POWER

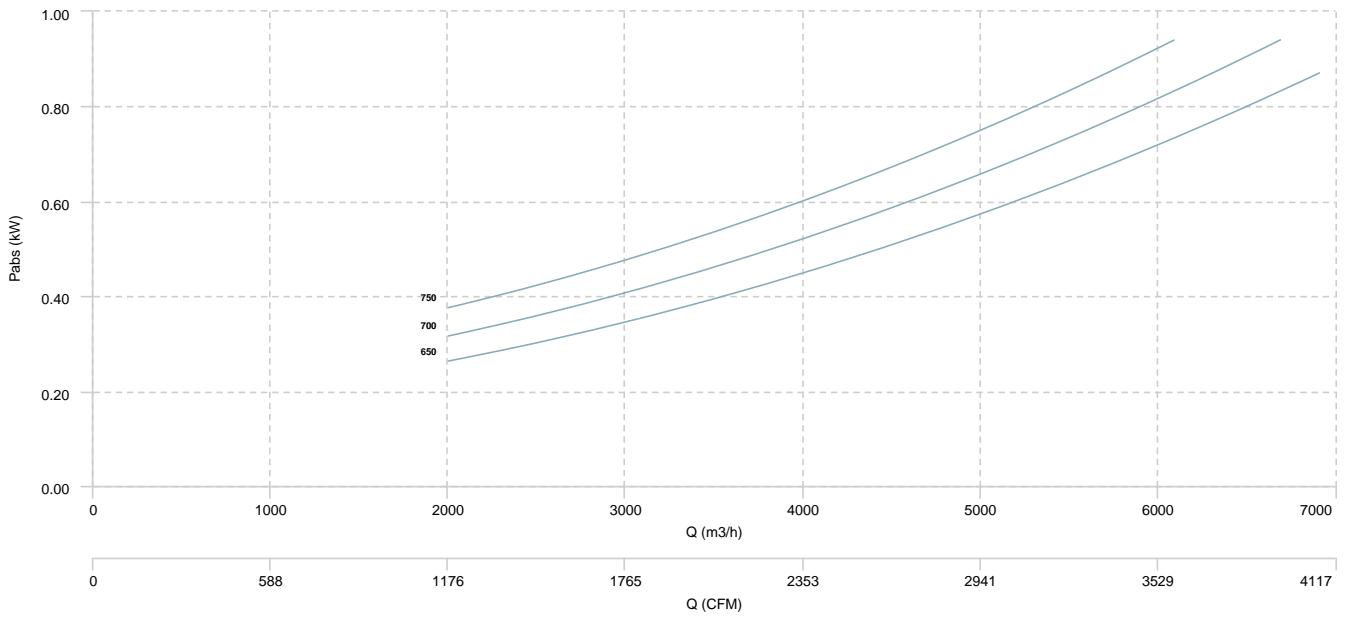


TWIN BOX BV 15/15 0,75kW

AIR FLOW - PRESSURE

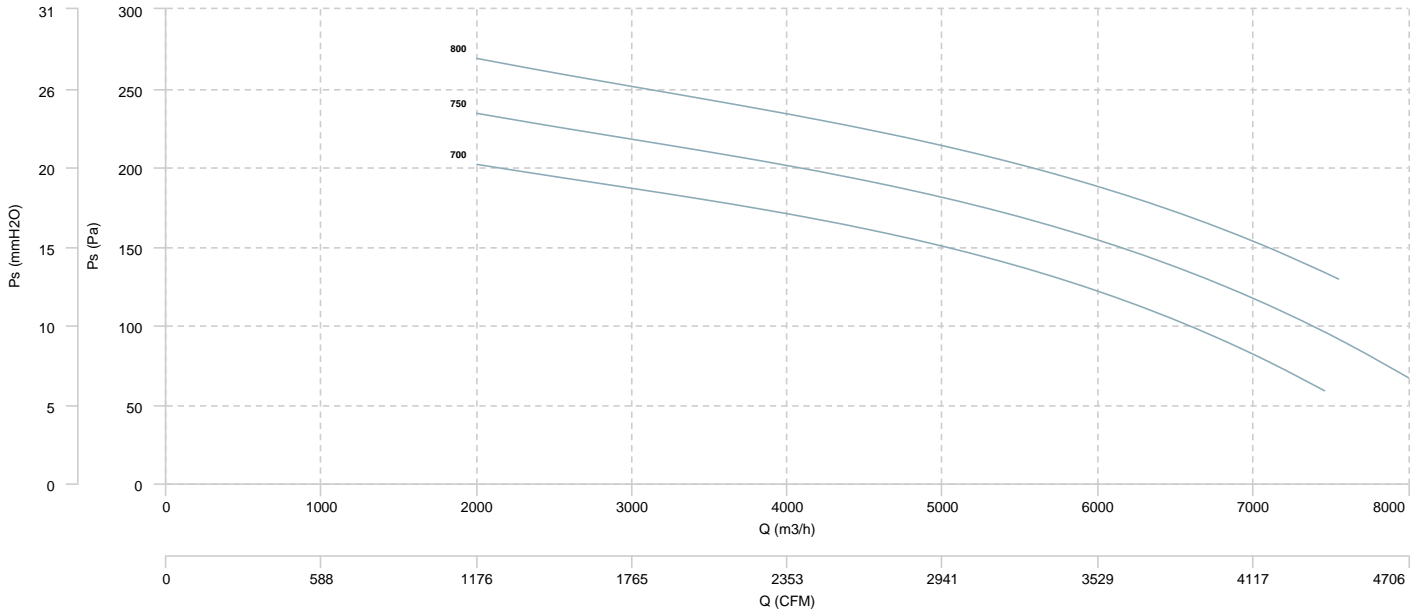


AIR FLOW - ABSORBED POWER

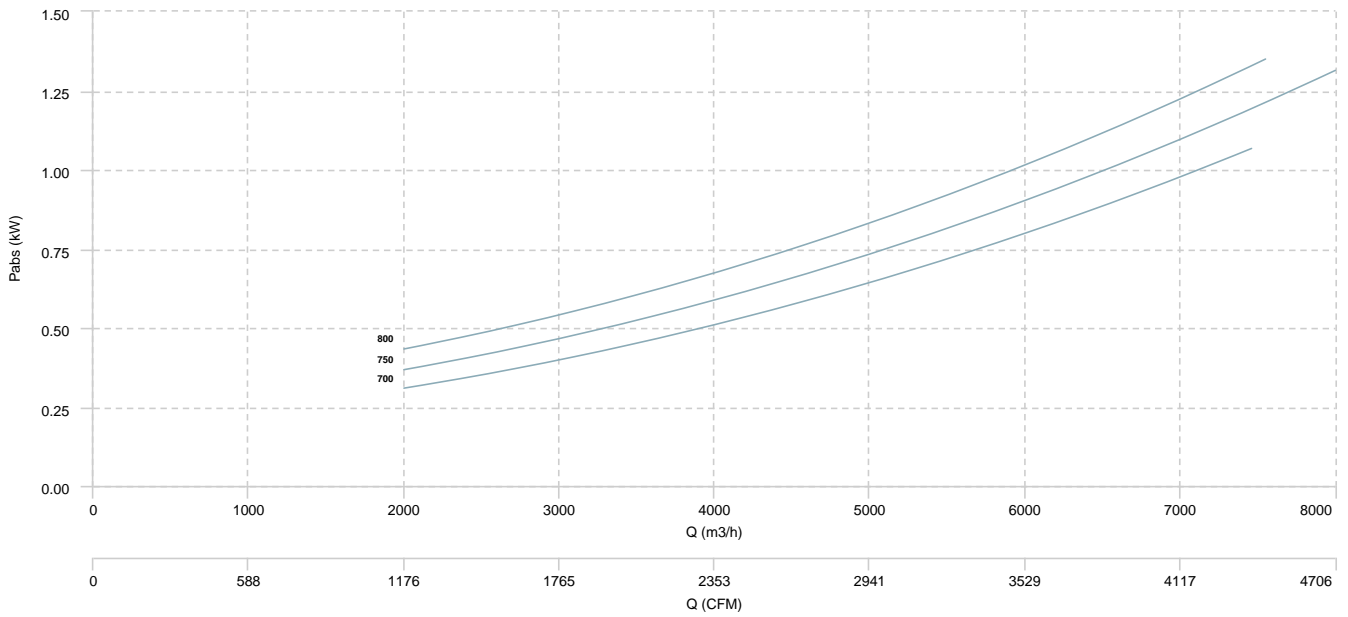


TWIN BOX BV 15/15 1,1kW

AIR FLOW - PRESSURE

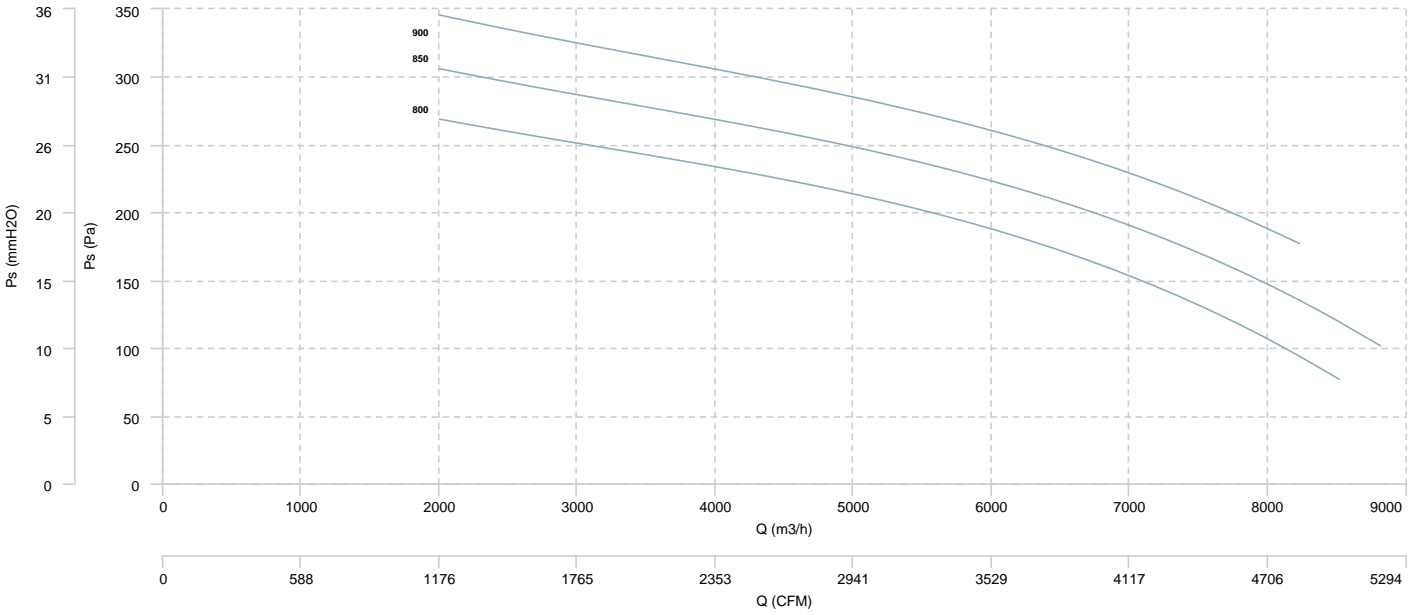


AIR FLOW - ABSORBED POWER

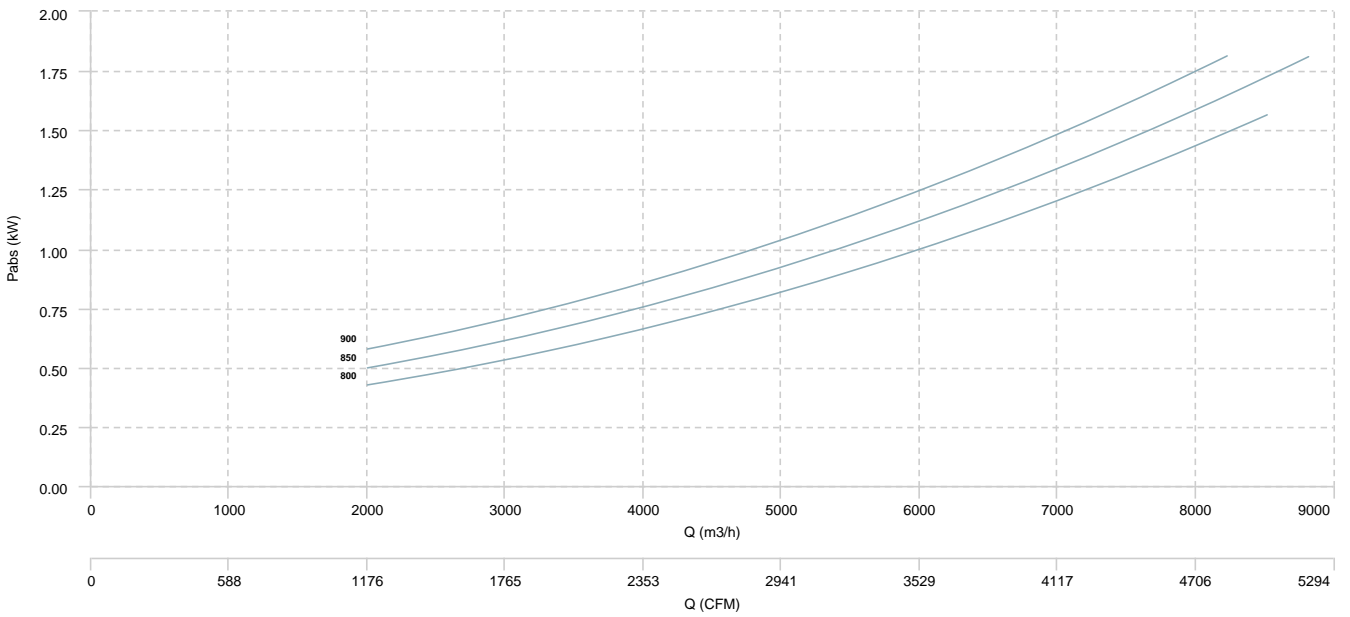


TWIN BOX BV 15/15 1,5kW

AIR FLOW - PRESSURE

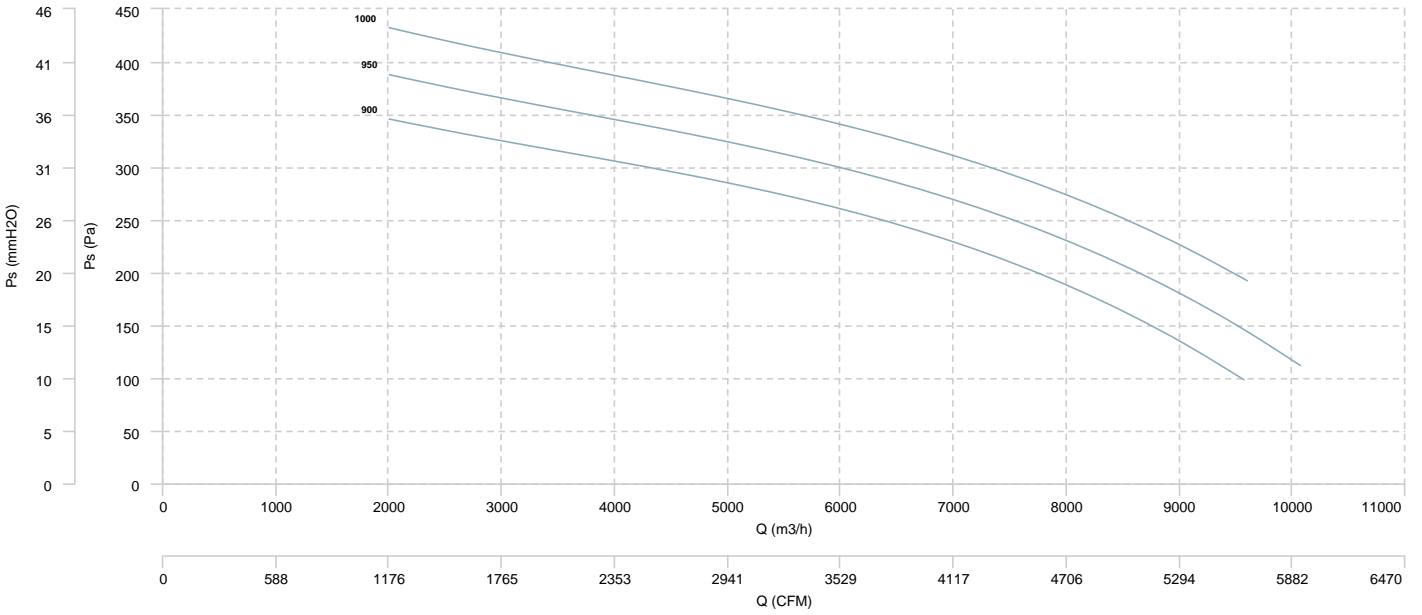


AIR FLOW - ABSORBED POWER

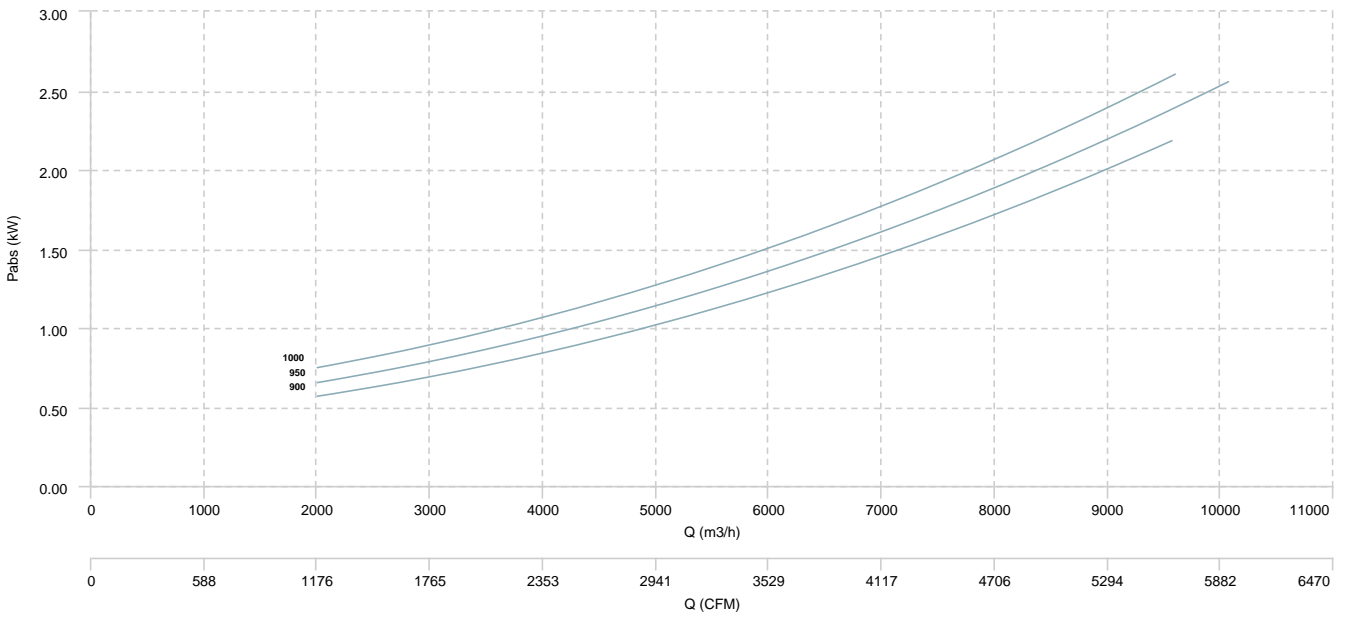


TWIN BOX BV 15/15 2,2kW

AIR FLOW - PRESSURE

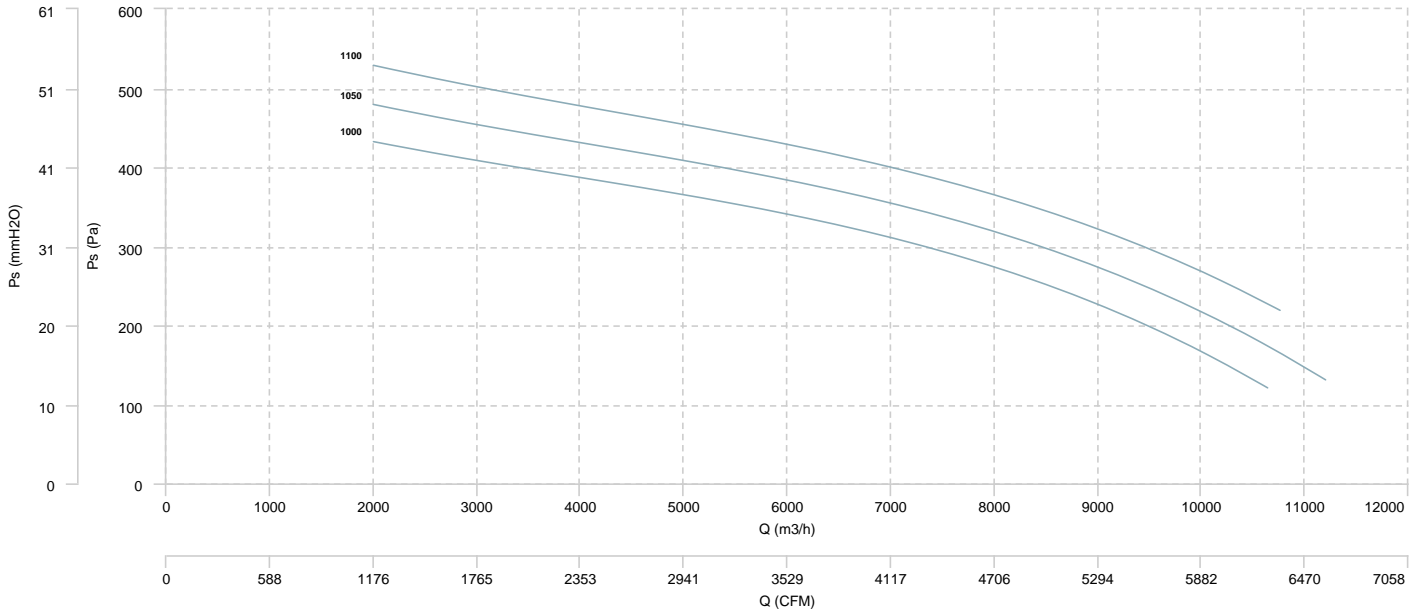


AIR FLOW - ABSORBED POWER

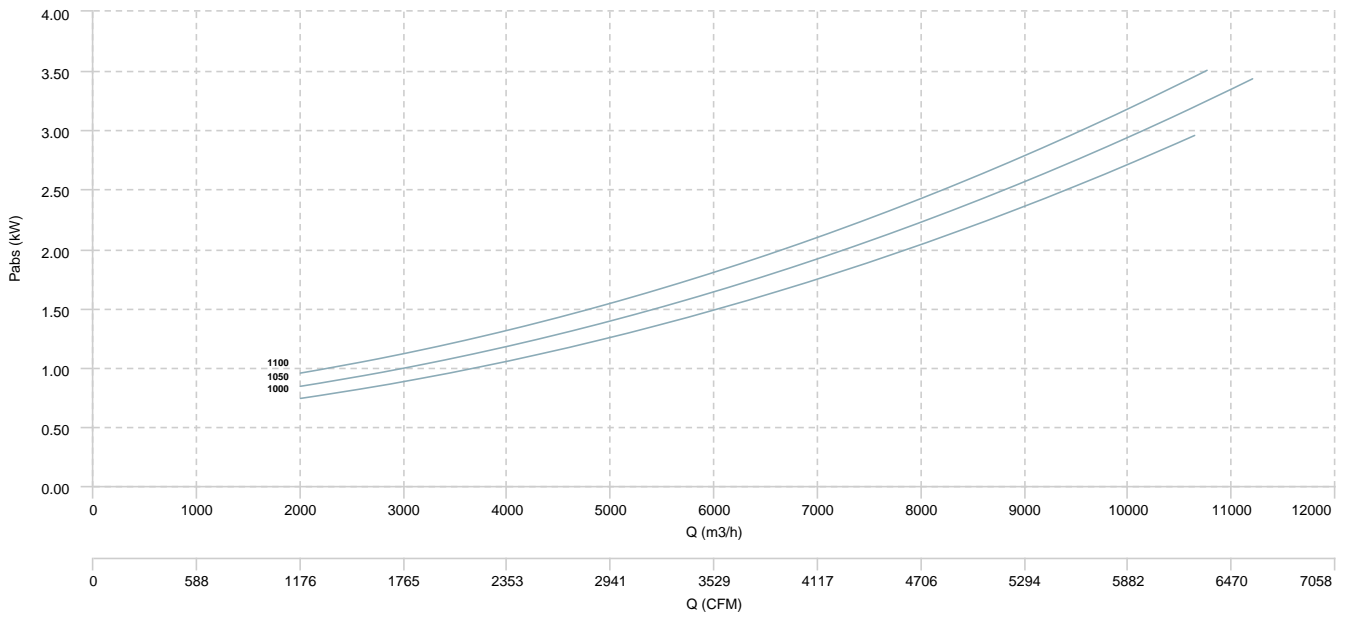


TWIN BOX BV 15/15 3kW

AIR FLOW - PRESSURE

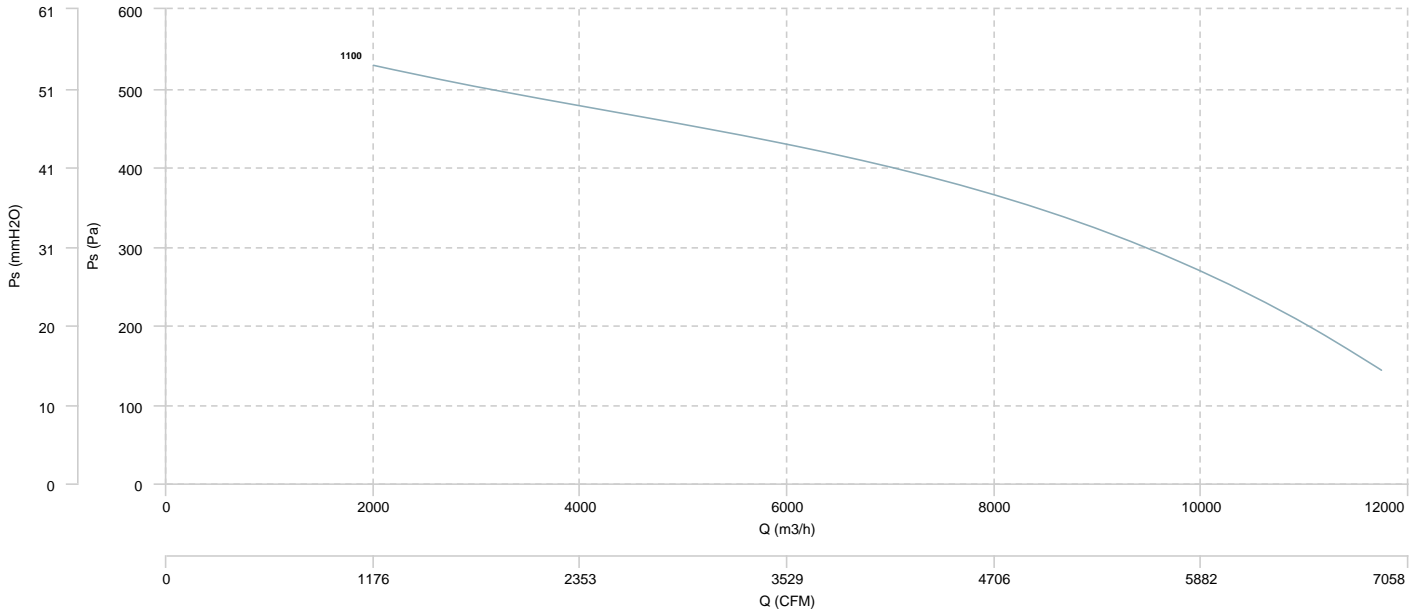


AIR FLOW - ABSORBED POWER

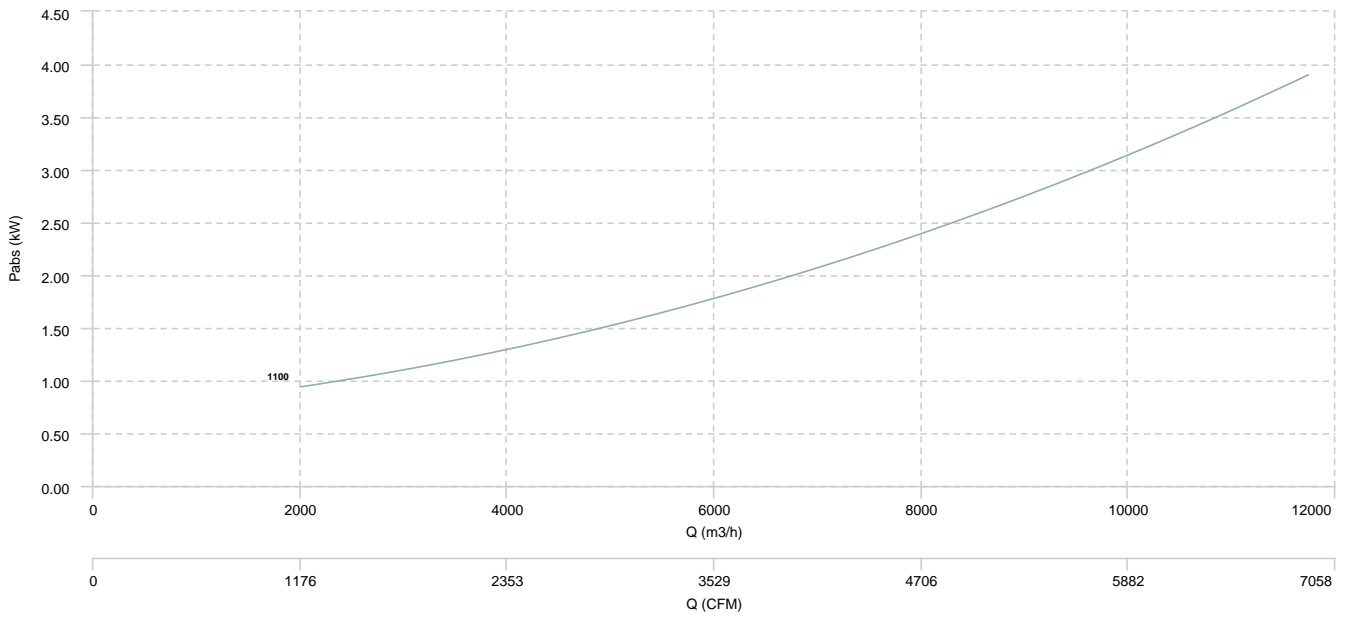


TWIN BOX BV 15/15 4kW

AIR FLOW - PRESSURE

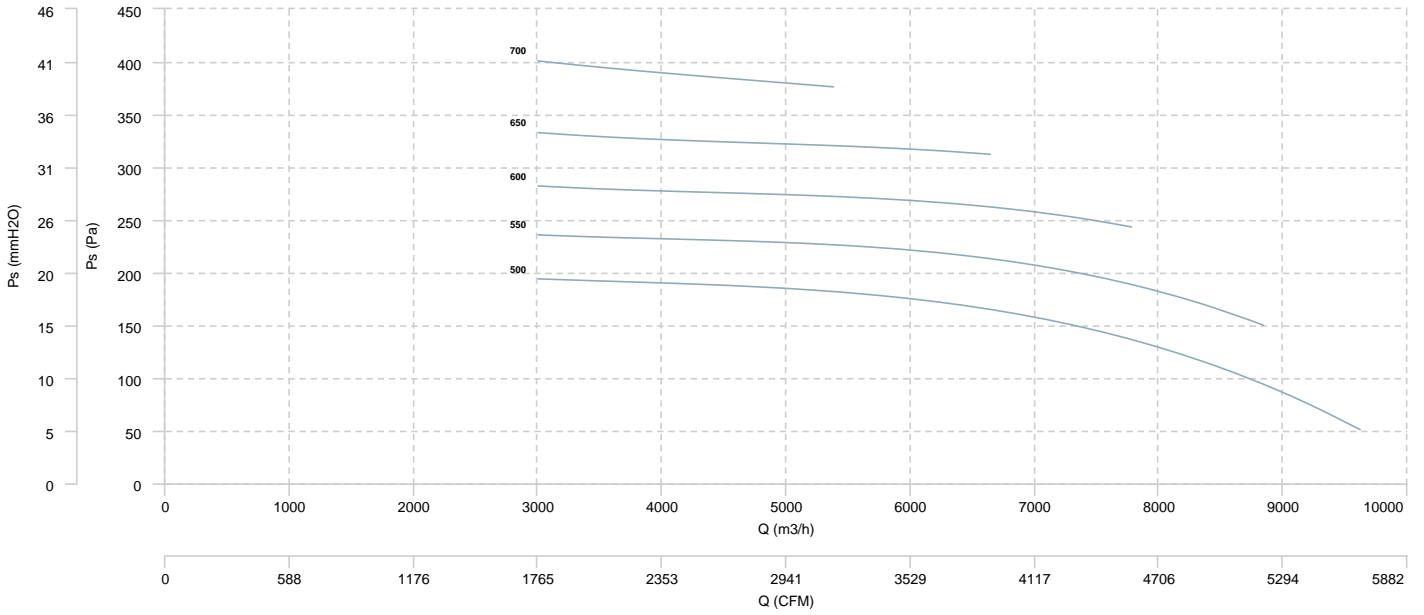


AIR FLOW - ABSORBED POWER

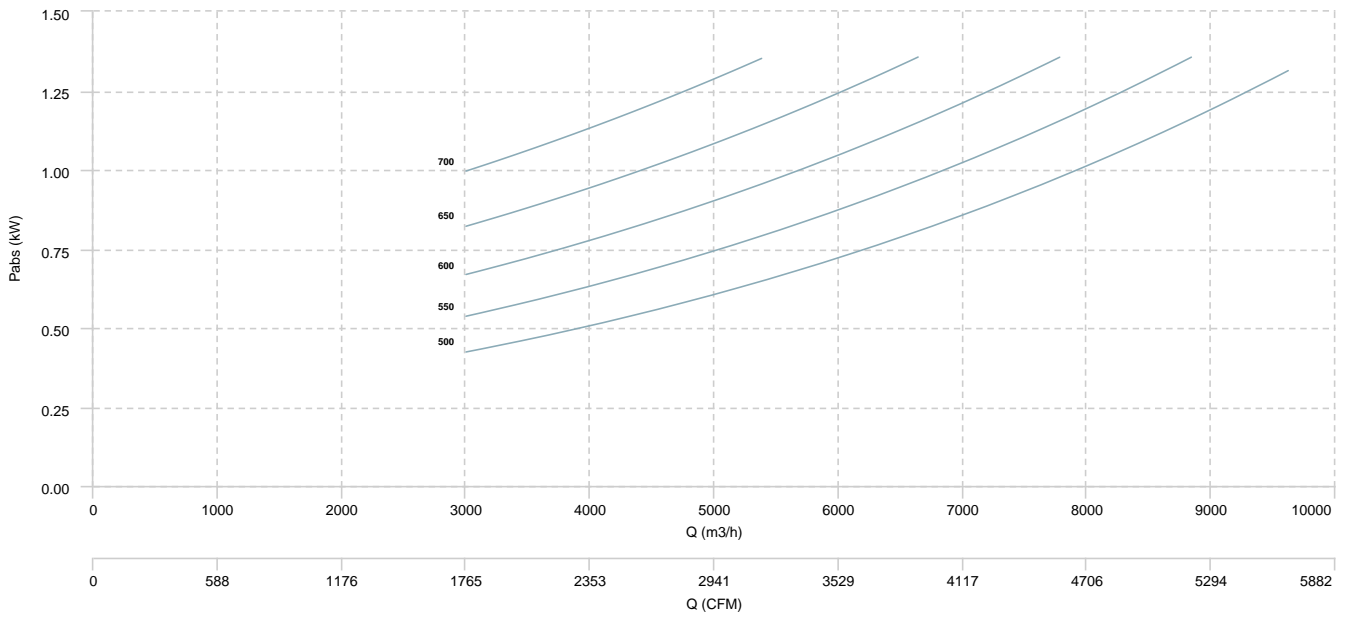


TWIN BOX BV 18/18 1,1kW

AIR FLOW - PRESSURE

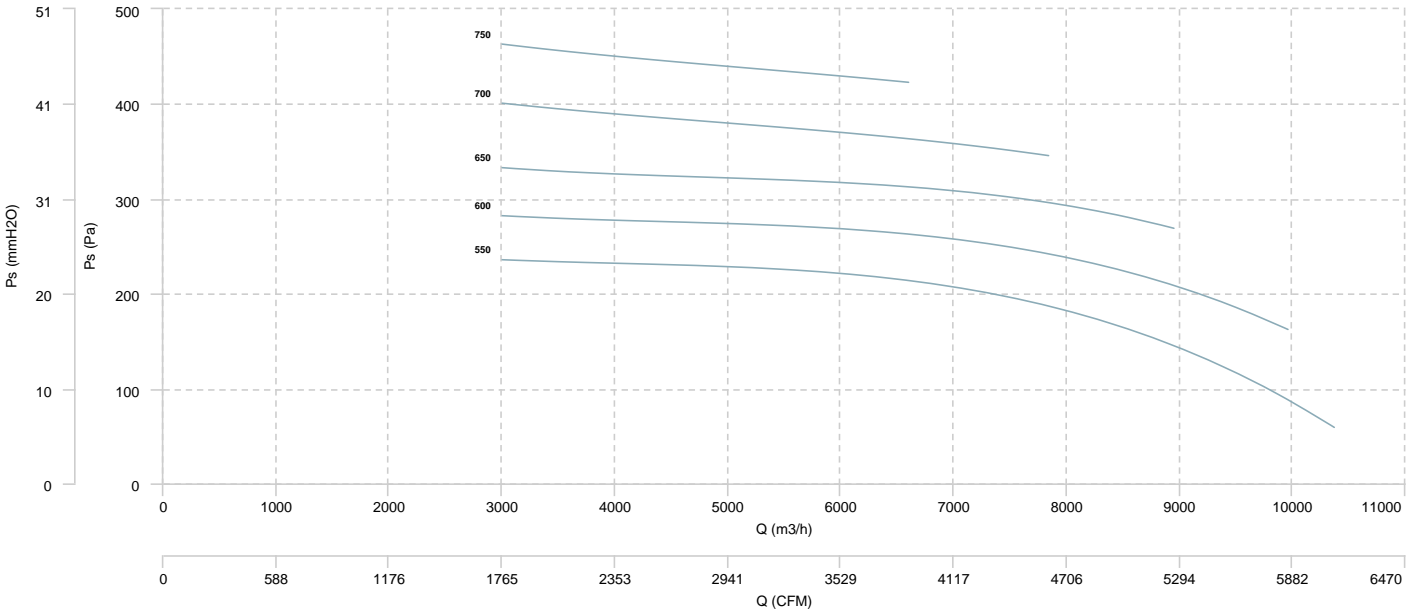


AIR FLOW - ABSORBED POWER

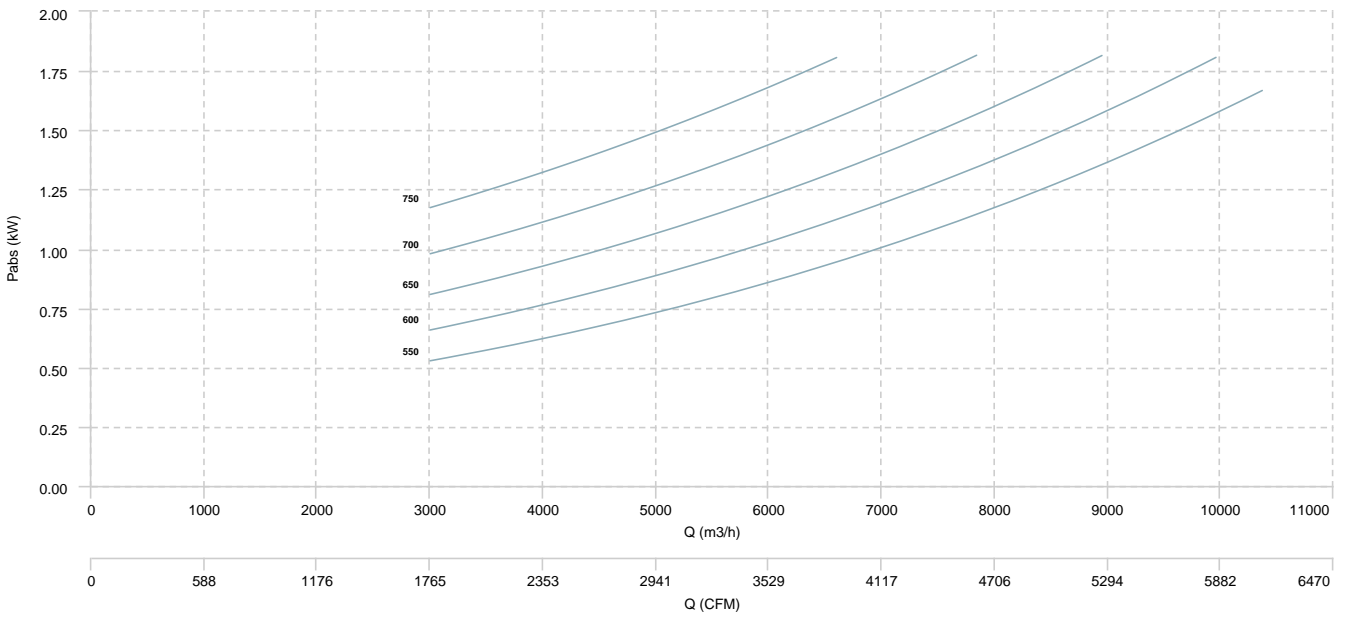


TWIN BOX BV 18/18 1,5kW

AIR FLOW - PRESSURE

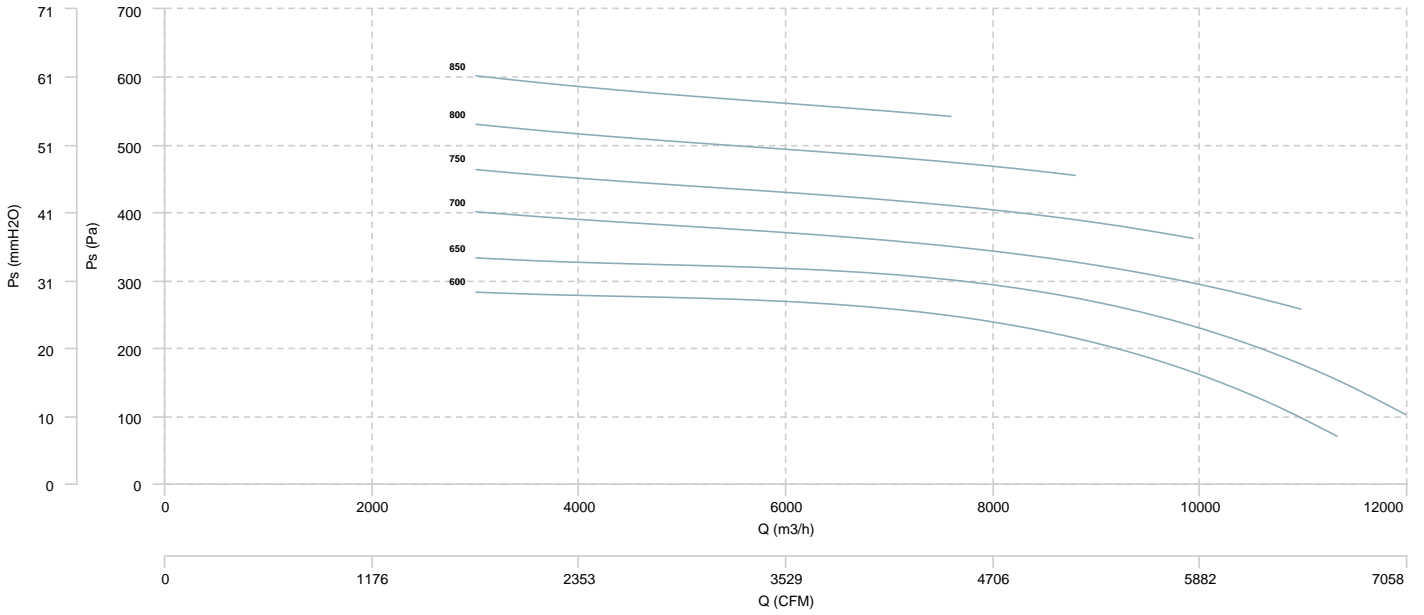


AIR FLOW - ABSORBED POWER

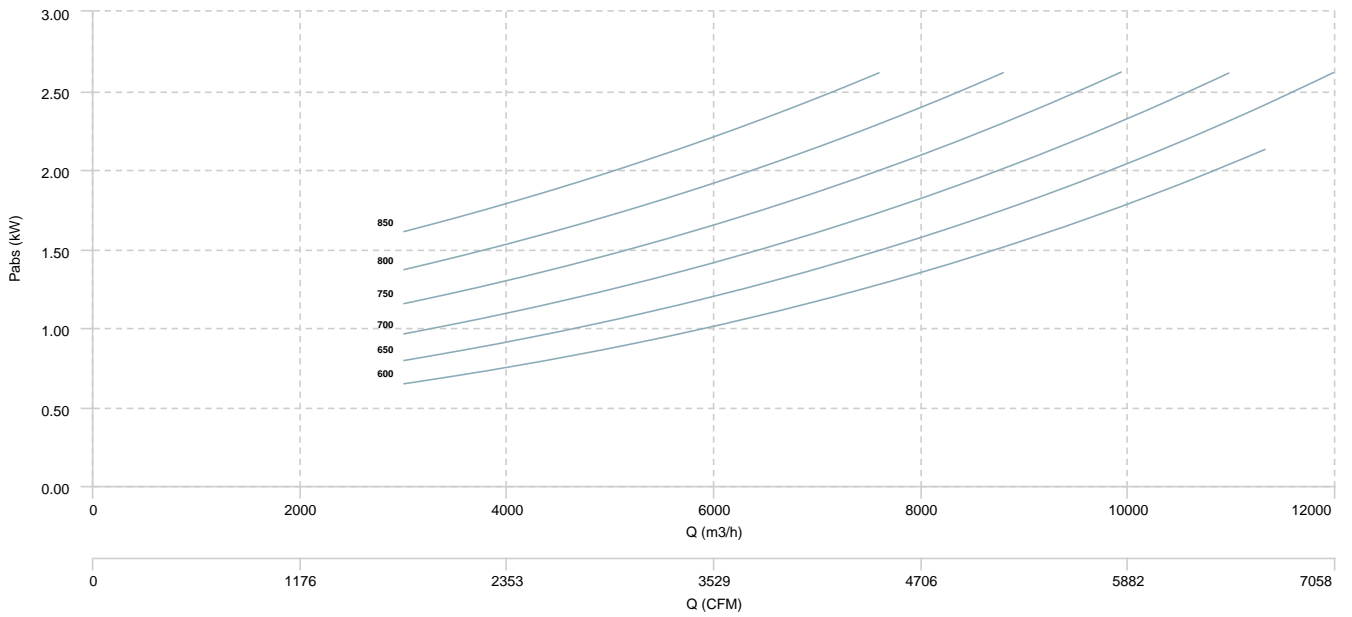


TWIN BOX BV 18/18 2,2kW

AIR FLOW - PRESSURE

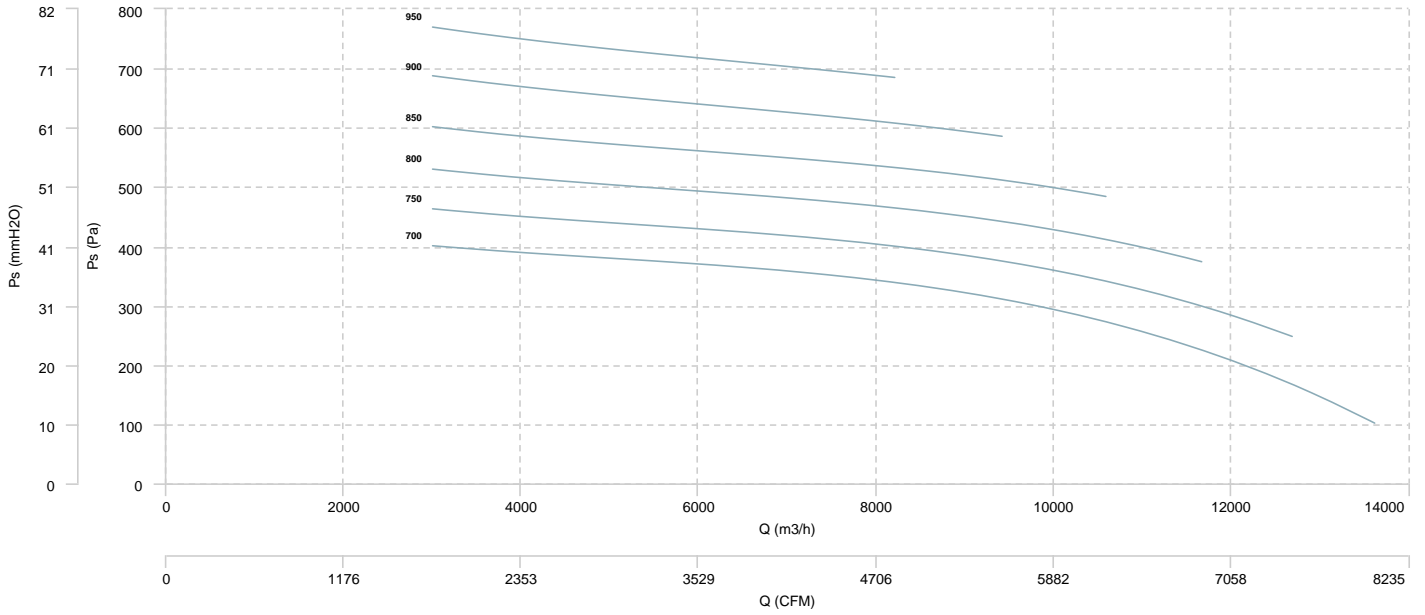


AIR FLOW - ABSORBED POWER

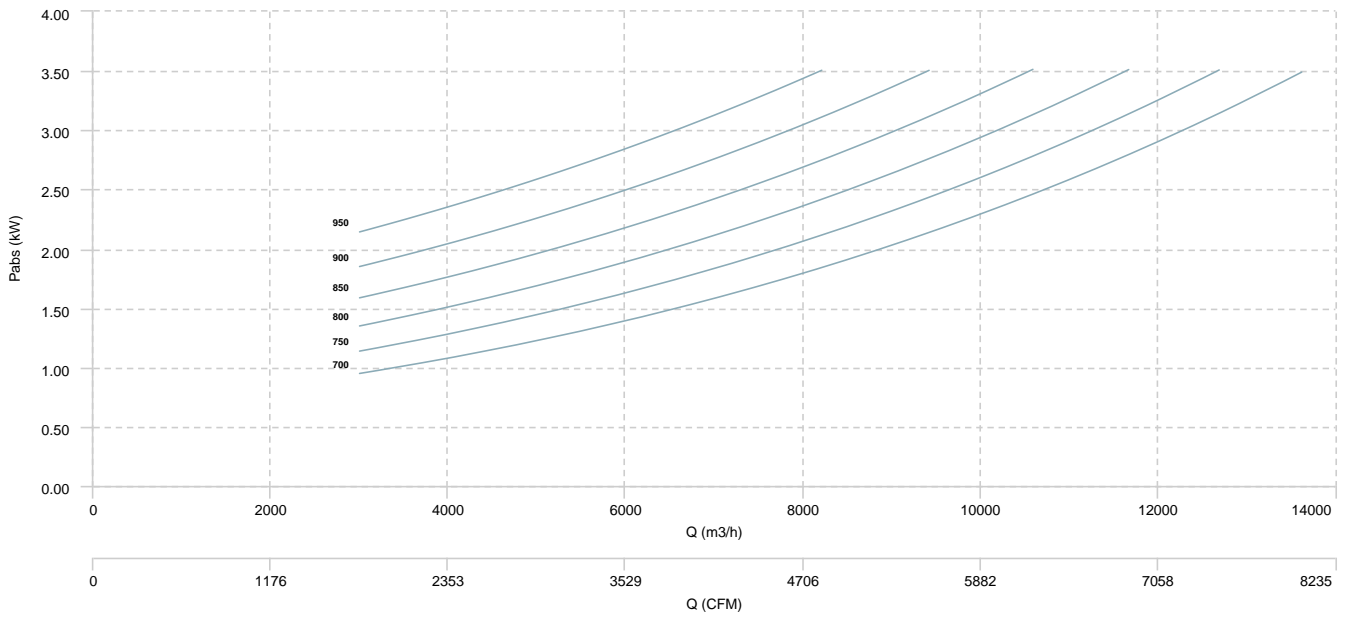


TWIN BOX BV 18/18 3kW

AIR FLOW - PRESSURE

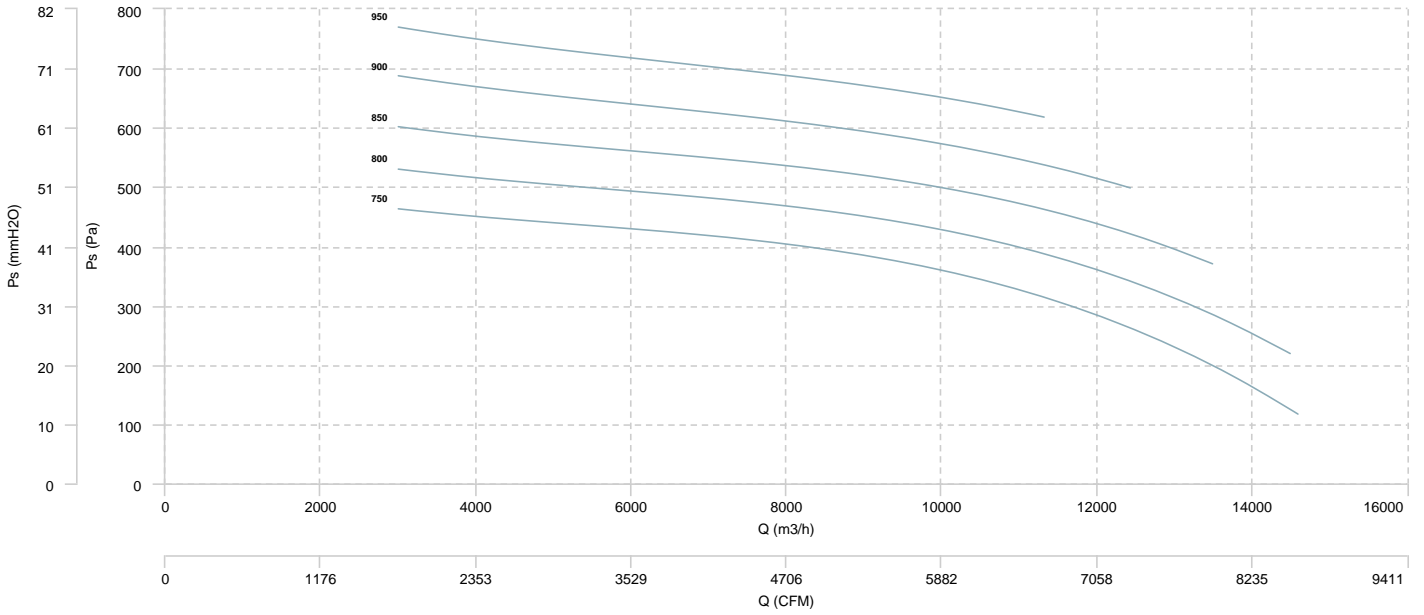


AIR FLOW - ABSORBED POWER

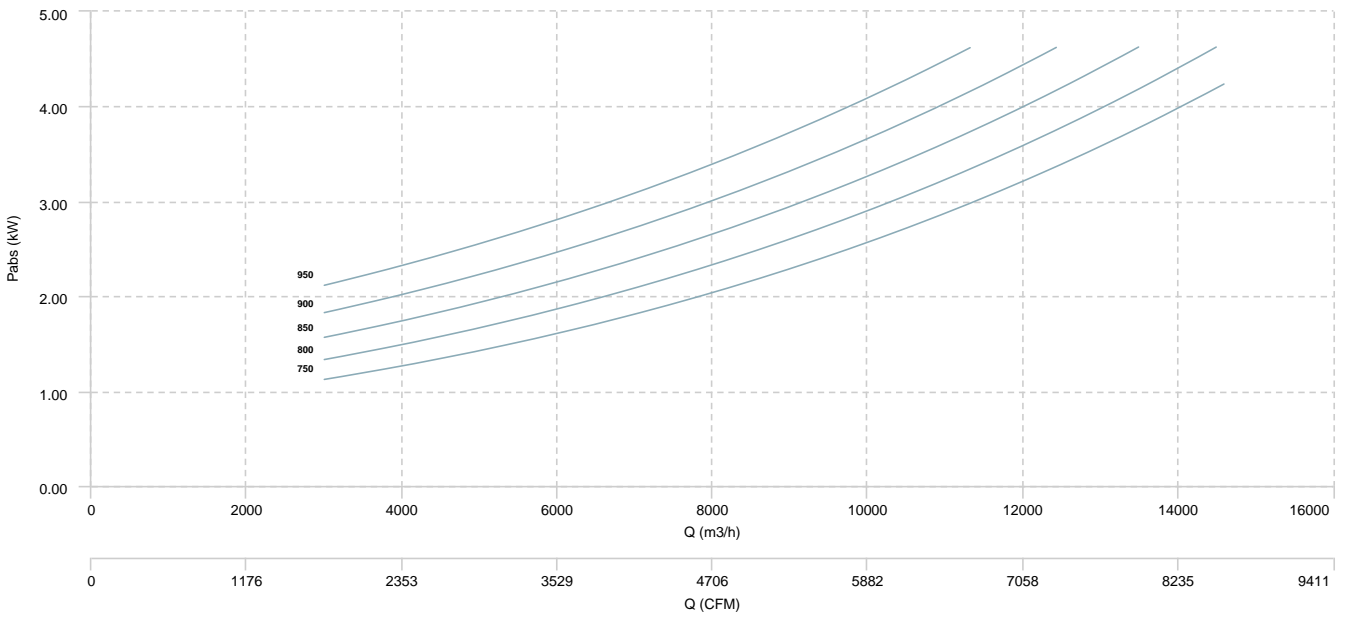


TWIN BOX BV 18/18 4kW

AIR FLOW - PRESSURE

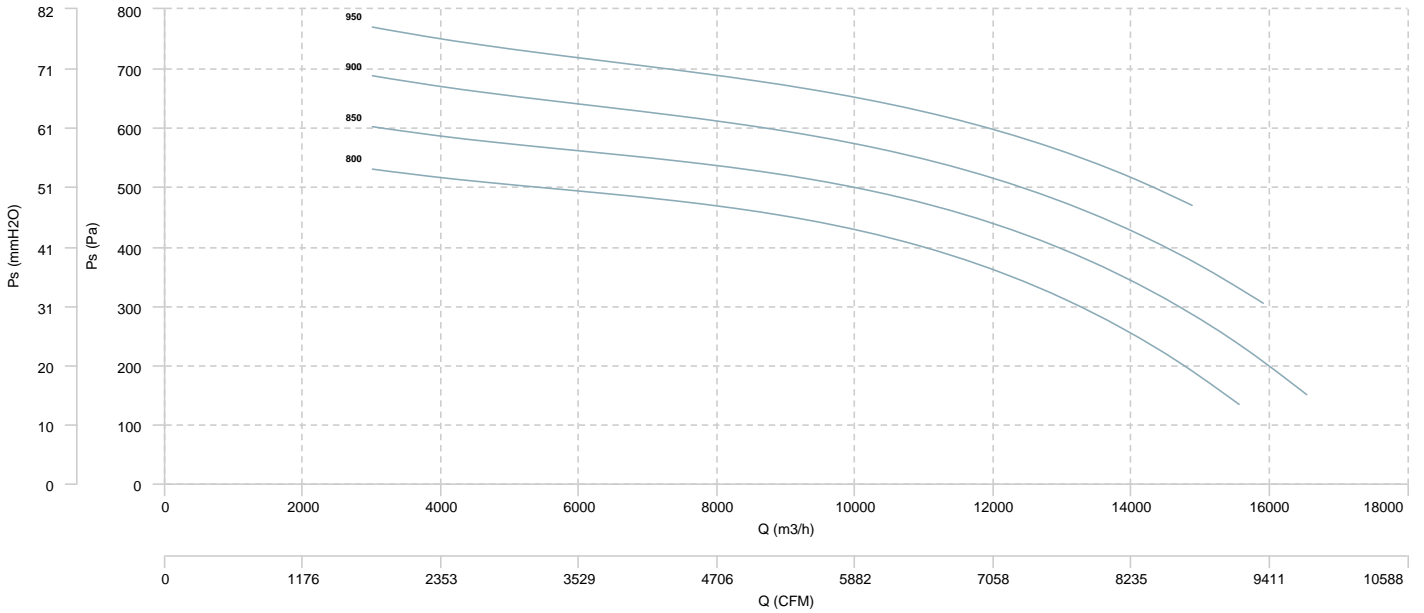


AIR FLOW - ABSORBED POWER

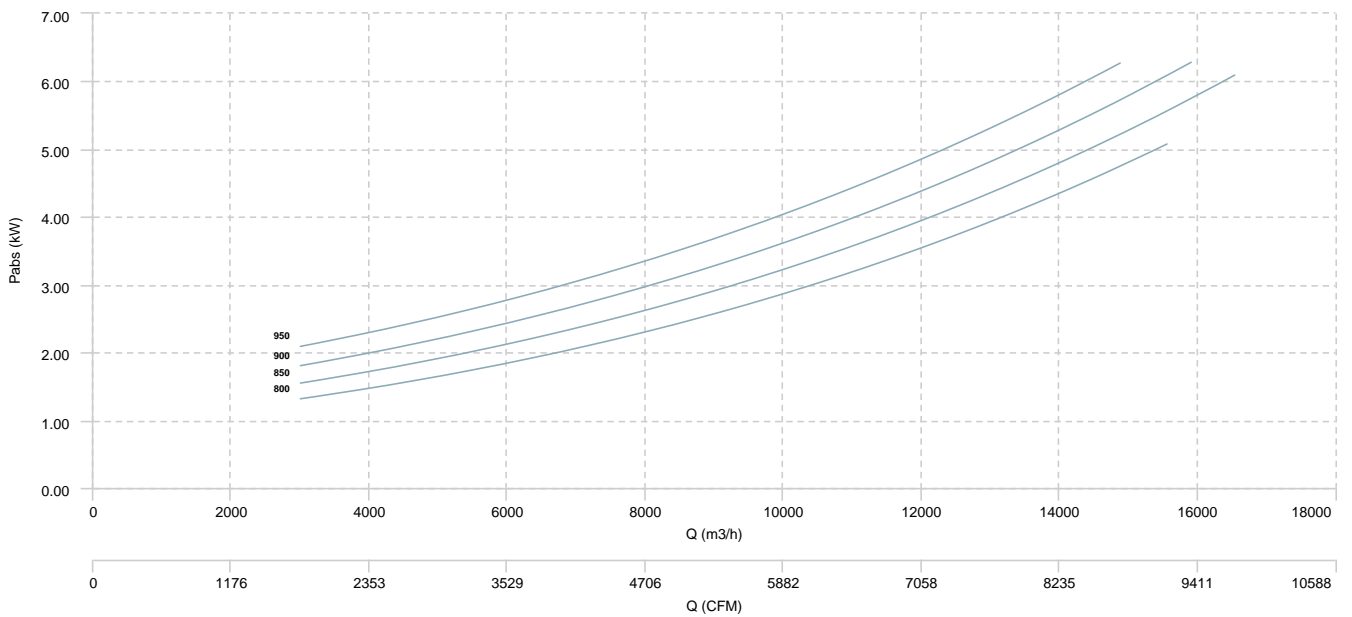


TWIN BOX BV 18/18 5,5kW

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
TWIN BOX BV 7/7 0,37kW (1950 RPM)	Inlet	58	60	64	63	71	70	61	56	75
TWIN BOX BV 7/7 0,55kW (1950 RPM)	Inlet	58	60	64	63	71	70	61	56	75
TWIN BOX BV 7/7 0,75kW (1800 RPM)	Inlet	57	59	63	62	70	69	60	55	74
TWIN BOX BV 9/9 0,37kW (1200 RPM)	Inlet	55	57	61	60	68	67	58	53	72
TWIN BOX BV 9/9 0,55kW (1250 RPM)	Inlet	56	58	62	61	69	68	59	54	72
TWIN BOX BV 9/9 0,75kW (1400 RPM)	Inlet	58	60	64	63	71	70	61	56	75
TWIN BOX BV 9/9 1,1kW (1650 RPM)	Inlet	62	64	68	67	75	74	65	60	78
TWIN BOX BV 10/10 0,37kW (1300 RPM)	Inlet	60	62	66	65	73	72	63	57	77
TWIN BOX BV 10/10 0,55kW (1400 RPM)	Inlet	62	64	68	67	75	74	65	59	79
TWIN BOX BV 10/10 0,75kW (1600 RPM)	Inlet	65	67	71	70	78	77	68	62	82
TWIN BOX BV 10/10 1,1kW (1600 RPM)	Inlet	65	67	71	70	78	77	68	62	82
TWIN BOX BV 10/10 1,5kW (1650 RPM)	Inlet	65	67	71	70	78	77	68	62	82
TWIN BOX BV 12/12 0,37kW (900 RPM)	Inlet	61	63	66	67	72	72	62	56	76
TWIN BOX BV 12/12 0,55kW (1100 RPM)	Inlet	65	67	70	71	76	76	66	60	81
TWIN BOX BV 12/12 0,75kW (1150 RPM)	Inlet	66	68	71	72	77	77	67	61	82
TWIN BOX BV 12/12 1,1kW (1250 RPM)	Inlet	68	70	73	74	79	79	69	63	83
TWIN BOX BV 12/12 1,5kW (1400 RPM)	Inlet	70	72	75	76	81	81	71	65	86
TWIN BOX BV 12/12 2,2kW (1400 RPM)	Inlet	70	72	75	76	81	81	71	65	86
TWIN BOX BV 15/15 0,55kW (600 RPM)	Inlet	61	61	64	64	69	69	59	52	74
TWIN BOX BV 15/15 0,75kW (650 RPM)	Inlet	61	61	64	64	69	69	59	52	74
TWIN BOX BV 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
TWIN BOX BV 15/15 1,5kW (800 RPM)	Inlet	65	65	68	68	73	73	63	56	77
TWIN BOX BV 15/15 2,2kW (900 RPM)	Inlet	67	67	70	70	75	75	65	58	80
TWIN BOX BV 15/15 3kW (1000 RPM)	Inlet	68	68	71	71	76	76	66	59	81
TWIN BOX BV 15/15 4kW (1100 RPM)	Inlet	69	69	72	72	77	77	67	60	82
TWIN BOX BV 18/18 1,1kW (650 RPM)	Inlet	60	59	62	62	66	65	56	49	71
TWIN BOX BV 18/18 1,5kW (750 RPM)	Inlet	63	62	65	65	69	68	59	52	74
TWIN BOX BV 18/18 2,2kW (850 RPM)	Inlet	66	65	68	68	72	71	62	55	77
TWIN BOX BV 18/18 3kW (900 RPM)	Inlet	67	66	69	69	73	72	63	56	78
TWIN BOX BV 18/18 4kW (950 RPM)	Inlet	68	67	70	70	74	73	64	57	79
TWIN BOX BV 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	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)
TWIN BOX BV 7/7 0,55kW (1950 RPM)	0,55	-	32,87	0,63	1.445,30	384,73	6.99	1.648,26
TWIN BOX BV 7/7 0,55kW (1650 RPM)	0,55	-	33,17	0,38	1.232,17	274,64	5.96	1.648,26
TWIN BOX BV 7/7 0,55kW (1700 RPM)	0,55	-	33,17	0,42	1.269,67	291,53	6.14	1.648,26
TWIN BOX BV 7/7 0,55kW (1900 RPM)	0,55	-	33,05	0,58	1.413,29	364,74	6.84	1.648,26
TWIN BOX BV 7/7 0,55kW (1750 RPM)	0,55	-	33,17	0,46	1.307,17	308,91	6.33	1.648,26
TWIN BOX BV 7/7 0,55kW (1800 RPM)	0,55	-	33,17	0,50	1.344,14	326,85	6.5	1.648,26
TWIN BOX BV 7/7 0,55kW (2000 RPM)	0,55	-	33,05	0,68	1.487,67	402,54	7.2	1.648,26
TWIN BOX BV 7/7 0,55kW (1850 RPM)	0,55	-	33,17	0,54	1.381,64	345,25	6.69	1.648,26
TWIN BOX BV 7/7 0,75kW (1800 RPM)	0,75	-	33,17	0,42	1.344,14	326,85	6.5	1.385,72
TWIN BOX BV 7/7 0,75kW (1850 RPM)	0,75	-	33,17	0,46	1.381,64	345,25	6.69	1.385,72
TWIN BOX BV 7/7 0,75kW (1900 RPM)	0,75	-	33,17	0,49	1.419,14	364,14	6.87	1.385,72
TWIN BOX BV 7/7 0,75kW (1950 RPM)	0,75	-	33,17	0,53	1.456,10	383,60	7.05	1.385,72
TWIN BOX BV 7/7 0,75kW (2000 RPM)	0,75	-	33,17	0,58	1.493,83	401,86	7.23	1.385,72
TWIN BOX BV 9/9 0,37kW (1200 RPM)	0,37	-	34,77	0,30	1.506,70	234,85	4.66	1.461,16
TWIN BOX BV 9/9 0,37kW (1250 RPM)	0,37	-	34,77	0,34	1.569,48	254,83	4.86	1.461,16
TWIN BOX BV 9/9 0,37kW (1300 RPM)	0,37	-	34,77	0,39	1.632,26	274,24	5.05	1.461,16
TWIN BOX BV 9/9 0,37kW (1350 RPM)	0,37	-	34,77	0,43	1.695,04	295,74	5.24	1.461,16
TWIN BOX BV 9/9 0,37kW (1400 RPM)	0,37	-	34,77	0,48	1.757,82	318,06	5.44	1.461,16
TWIN BOX BV 9/9 0,37kW (1450 RPM)	0,37	-	34,77	0,54	1.820,60	337,28	5.63	1.461,16
TWIN BOX BV 9/9 0,37kW (1500 RPM)	0,37	-	34,77	0,59	1.883,38	360,94	5.83	1.461,16
TWIN BOX BV 9/9 0,37kW (1550 RPM)	0,37	-	34,33	0,60	1.700	401,45	5.26	1.461,16
TWIN BOX BV 9/9 0,37kW (1600 RPM)	0,37	-	32,77	0,60	1.480	443,92	4.58	1.461,16
TWIN BOX BV 9/9 0,55kW (1250 RPM)	0,55	-	37,58	0,32	1.569,48	254,83	4.86	1.350,11
TWIN BOX BV 9/9 0,55kW (1300 RPM)	0,55	-	37,58	0,36	1.632,26	274,24	5.05	1.350,11
TWIN BOX BV 9/9 0,55kW (1350 RPM)	0,55	-	37,58	0,40	1.695,04	295,74	5.24	1.350,11
TWIN BOX BV 9/9 0,55kW (1400 RPM)	0,55	-	37,58	0,45	1.757,82	318,06	5.44	1.350,11
TWIN BOX BV 9/9 0,55kW (1450 RPM)	0,55	-	37,58	0,50	1.820,60	337,28	5.63	1.350,11
TWIN BOX BV 9/9 0,55kW (1500 RPM)	0,55	-	37,58	0,55	1.883,38	360,94	5.83	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)
TWIN BOX BV 9/9 0,55kW (1550 RPM)	0,55	-	37,58	0,61	1.946,16	385,41	6.02	1.350,11
TWIN BOX BV 9/9 0,55kW (1600 RPM)	0,55	-	37,58	0,67	2.008,94	410,71	6.21	1.350,11
TWIN BOX BV 9/9 0,55kW (1650 RPM)	0,55	-	37,58	0,73	2.071,72	436,78	6.41	1.350,11
TWIN BOX BV 9/9 0,55kW (1700 RPM)	0,55	-	37,58	0,80	2.134,50	463,66	6.6	1.350,11
TWIN BOX BV 9/9 0,75kW (1400 RPM)	0,75	-	44,64	0,38	1.757,82	318,06	5.44	1.136,40
TWIN BOX BV 9/9 0,75kW (1450 RPM)	0,75	-	44,64	0,42	1.820,60	337,28	5.63	1.136,40
TWIN BOX BV 9/9 0,75kW (1500 RPM)	0,75	-	44,64	0,46	1.883,38	360,94	5.83	1.136,40
TWIN BOX BV 9/9 0,75kW (1550 RPM)	0,75	-	44,64	0,51	1.946,16	385,41	6.02	1.136,40
TWIN BOX BV 9/9 0,75kW (1600 RPM)	0,75	-	44,64	0,56	2.008,94	410,71	6.21	1.136,40
TWIN BOX BV 9/9 0,75kW (1650 RPM)	0,75	-	44,64	0,62	2.071,72	436,78	6.41	1.136,40
TWIN BOX BV 9/9 0,75kW (1700 RPM)	0,75	-	44,64	0,67	2.134,50	463,66	6.6	1.136,40
TWIN BOX BV 9/9 1,1kW (1650 RPM)	1,10	-	45,65	0,60	2.071,72	436,78	6.41	1.111,27
TWIN BOX BV 9/9 1,1kW (1700 RPM)	1,10	-	45,65	0,66	2.134,50	463,66	6.6	1.111,27
TWIN BOX BV 10/10 0,37kW (1300 RPM)	0,37	-	33,46	0,60	1.250	416,55	3.15	1.722,48
TWIN BOX BV 10/10 0,37kW (1250 RPM)	0,37	-	34,44	0,60	1.570	372,37	3.96	1.722,48
TWIN BOX BV 10/10 0,37kW (1200 RPM)	0,37	-	36,77	0,60	1.850	327,56	4.67	1.722,48
TWIN BOX BV 10/10 0,37kW (1150 RPM)	0,37	-	37,93	0,60	2.160	281,55	5.45	1.722,48
TWIN BOX BV 10/10 0,37kW (1100 RPM)	0,37	-	35,17	0,56	2.242,92	249,77	5.66	1.722,48
TWIN BOX BV 10/10 0,37kW (1050 RPM)	0,37	-	35,61	0,48	2.080,11	230,89	5.25	1.722,48
TWIN BOX BV 10/10 0,37kW (1000 RPM)	0,37	-	36,02	0,41	1.996,62	208,63	5.04	1.722,48
TWIN BOX BV 10/10 0,55kW (1400 RPM)	0,55	-	39,14	0,82	1.920	456,91	4.84	1.540,02
TWIN BOX BV 10/10 0,55kW (1350 RPM)	0,55	-	39,42	0,82	2.210	401,38	5.58	1.540,02
TWIN BOX BV 10/10 0,55kW (1300 RPM)	0,55	-	39,76	0,77	2.307,18	361,82	5.82	1.540,02
TWIN BOX BV 10/10 0,55kW (1250 RPM)	0,55	-	38,06	0,72	2.356,77	332,10	5.95	1.540,02
TWIN BOX BV 10/10 0,55kW (1200 RPM)	0,55	-	38,47	0,63	2.240,34	307,34	5.65	1.540,02
TWIN BOX BV 10/10 0,55kW (1150 RPM)	0,55	-	38,96	0,56	2.176,53	280,63	5.49	1.540,02
TWIN BOX BV 10/10 0,55kW (1000 RPM)	0,55	-	36,02	0,38	1.996,62	208,63	5.04	1.540,02
TWIN BOX BV 10/10 0,55kW (1050 RPM)	0,55	-	36,02	0,44	2.096,71	230,01	5.29	1.540,02
TWIN BOX BV 10/10 0,55kW (1100 RPM)	0,55	-	36,01	0,51	2.196,16	252,46	5.54	1.540,02
TWIN BOX BV 10/10 0,75kW (1600 RPM)	0,75	-	39,95	0,94	1.840	617,80	4.64	1.841,42
TWIN BOX BV 10/10 0,75kW (1550 RPM)	0,75	-	41,77	0,94	2.140	559,23	5.4	1.841,42
TWIN BOX BV 10/10 0,75kW (1500 RPM)	0,75	-	40,53	0,94	2.430	502,39	6.13	1.841,42
TWIN BOX BV 10/10 0,75kW (1450 RPM)	0,75	-	40,91	0,94	2.730	444,10	6.89	1.841,42
TWIN BOX BV 10/10 0,75kW (1400 RPM)	0,75	-	40,76	0,81	2.463,09	425,65	6.21	1.841,42
TWIN BOX BV 10/10 0,75kW (1350 RPM)	0,75	-	39,98	0,72	2.358,39	392,53	5.95	1.841,42
TWIN BOX BV 10/10 0,75kW (1300 RPM)	0,75	-	40,41	0,64	2.278,35	363,56	5.75	1.841,42
TWIN BOX BV 10/10 0,75kW (1250 RPM)	0,75	-	38,74	0,60	2.346,66	332,71	5.92	1.841,42
TWIN BOX BV 10/10 0,75kW (1150 RPM)	0,75	-	38,96	0,47	2.176,53	280,63	5.49	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)
TWIN BOX BV 10/10 0,75kW (1200 RPM)	0,75	-	39,01	0,54	2.275,78	305,29	5.74	1.841,42
TWIN BOX BV 10/10 1,1kW (1600 RPM)	1,10	-	42,86	1,11	2.580,80	572,36	6.51	1.551,41
TWIN BOX BV 10/10 1,1kW (1550 RPM)	1,10	-	43,41	1	2.469,24	539,14	6.23	1.551,41
TWIN BOX BV 10/10 1,1kW (1500 RPM)	1,10	-	41,33	0,96	2.577,78	492,79	6.5	1.551,41
TWIN BOX BV 10/10 1,1kW (1450 RPM)	1,10	-	41,78	0,87	2.522,37	458,50	6.36	1.551,41
TWIN BOX BV 10/10 1,1kW (1300 RPM)	1,10	-	40,98	0,64	2.330,87	360,38	5.88	1.551,41
TWIN BOX BV 10/10 1,1kW (1350 RPM)	1,10	-	40,98	0,72	2.420,24	388,65	6.11	1.551,41
TWIN BOX BV 10/10 1,1kW (1400 RPM)	1,10	-	42,21	0,79	2.482,84	424,37	6.26	1.551,41
TWIN BOX BV 10/10 1,1kW (1250 RPM)	1,10	-	39,01	0,59	2.370,12	331,29	5.98	1.551,41
TWIN BOX BV 10/10 1,5kW (1650 RPM)	1,50	-	41,38	1,25	2.837,94	596,11	7.16	1.586,21
TWIN BOX BV 10/10 1,5kW (1400 RPM)	1,5	-	42,21	0,78	2.482,84	424,37	6.26	1.586,21
TWIN BOX BV 10/10 1,5kW (1600 RPM)	1,50	-	41,80	1,15	2.784,52	558,18	7.03	1.586,21
TWIN BOX BV 10/10 1,5kW (1450 RPM)	1,50	-	42,21	0,87	2.572,39	455,17	6.49	1.586,21
TWIN BOX BV 10/10 1,5kW (1500 RPM)	1,50	-	42,21	0,96	2.660,82	487,12	6.71	1.586,21
TWIN BOX BV 10/10 1,5kW (1550 RPM)	1,50	-	42,21	1,06	2.749,51	520,13	6.94	1.586,21
TWIN BOX BV 12/12 0,37kW (900 RPM)	0,37	-	40,47	0,60	2.900	223,75	5.31	745,55
TWIN BOX BV 12/12 0,37kW (850 RPM)	0,37	-	41,86	0,60	3.290	193,08	6.03	745,55
TWIN BOX BV 12/12 0,37kW (800 RPM)	0,37	-	41,74	0,48	2.947,89	177,72	5.4	745,55
TWIN BOX BV 12/12 0,37kW (750 RPM)	0,37	-	42,64	0,39	2.787,43	155,83	5.11	745,55
TWIN BOX BV 12/12 0,37kW (700 RPM)	0,37	-	38	0,35	2.835,82	130,95	5.2	745,55
TWIN BOX BV 12/12 0,55kW (1100 RPM)	0,55	-	41,57	0,82	2.680	347,07	4.91	1.104,13
TWIN BOX BV 12/12 0,55kW (1050 RPM)	0,55	-	42,29	0,82	3.100	310,72	5.68	1.104,13
TWIN BOX BV 12/12 0,55kW (1000 RPM)	0,55	-	43,51	0,82	3.500	273,63	6.41	1.104,13
TWIN BOX BV 12/12 0,55kW (950 RPM)	0,55	-	42,17	0,82	3.920	236,73	7.18	1.104,13
TWIN BOX BV 12/12 0,55kW (900 RPM)	0,55	-	42,33	0,64	3.382,78	217,96	6.2	1.104,13
TWIN BOX BV 12/12 0,55kW (750 RPM)	0,55	-	42,64	0,37	2.787,43	155,83	5.11	1.104,13
TWIN BOX BV 12/12 0,55kW (850 RPM)	0,55	-	43,30	0,54	3.191,98	194,45	5.85	1.104,13
TWIN BOX BV 12/12 0,55kW (800 RPM)	0,55	-	42,82	0,45	2.990,48	177,02	5.48	1.104,13
TWIN BOX BV 12/12 0,55kW (700 RPM)	0,55	-	38	0,32	2.835,82	130,95	5.2	1.104,13
TWIN BOX BV 12/12 0,75kW (1150 RPM)	0,75	-	43,99	0,94	3.550	366,73	6.5	955,23
TWIN BOX BV 12/12 0,75kW (1100 RPM)	0,75	-	44,88	0,95	3.980	326,10	7.29	955,23
TWIN BOX BV 12/12 0,75kW (1050 RPM)	0,75	-	44,44	0,94	4.380	286,13	8.02	955,23
TWIN BOX BV 12/12 0,75kW (1000 RPM)	0,75	-	43,95	0,68	3.456,07	274,35	6.33	955,23
TWIN BOX BV 12/12 0,75kW (950 RPM)	0,75	-	42,48	0,63	3.553,24	243,10	6.51	955,23
TWIN BOX BV 12/12 0,75kW (800 RPM)	0,75	-	42,82	0,38	2.990,48	177,02	5.48	955,23
TWIN BOX BV 12/12 0,75kW (900 RPM)	0,75	-	43,40	0,54	3.387,23	217,89	6.21	955,23
TWIN BOX BV 12/12 0,75kW (850 RPM)	0,75	-	43,69	0,46	3.223,63	194,02	5.91	955,23
TWIN BOX BV 12/12 1,1kW (1250 RPM)	1,10	-	47,56	1,34	4.470	436,03	8.19	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)
TWIN BOX BV 12/12 1,1kW (1200 RPM)	1,10	-	45,12	1,35	4.920	366,83	9.01	1.081,17
TWIN BOX BV 12/12 1,1kW (1150 RPM)	1,10	-	44,44	0,95	3.684,10	364,62	6.75	1.081,17
TWIN BOX BV 12/12 1,1kW (1100 RPM)	1,10	-	45,24	0,83	3.532,14	333,48	6.47	1.081,17
TWIN BOX BV 12/12 1,1kW (1050 RPM)	1,10	-	45,07	0,77	3.636,75	302,34	6.66	1.081,17
TWIN BOX BV 12/12 1,1kW (1000 RPM)	1,10	-	45,71	0,68	3.542,13	272,92	6.49	1.081,17
TWIN BOX BV 12/12 1,1kW (900 RPM)	1,10	-	43,69	0,53	3.413,77	217,51	6.25	1.081,17
TWIN BOX BV 12/12 1,1kW (950 RPM)	1,10	-	43,69	0,62	3.602,82	242,36	6.6	1.081,17
TWIN BOX BV 12/12 1,5kW (1400 RPM)	1,50	-	43,66	1,36	3.361,42	577,99	6.16	1.454,27
TWIN BOX BV 12/12 1,5kW (1350 RPM)	1,50	-	46,07	1,35	3.732,50	528,47	6.84	1.454,27
TWIN BOX BV 12/12 1,5kW (1300 RPM)	1,50	-	47,43	1,28	3.922,76	484,84	7.19	1.454,27
TWIN BOX BV 12/12 1,5kW (1250 RPM)	1,50	-	48,24	1,15	3.809,50	447,69	6.98	1.454,27
TWIN BOX BV 12/12 1,5kW (1200 RPM)	1,50	-	45,46	1,07	3.876,92	392,66	7.1	1.454,27
TWIN BOX BV 12/12 1,5kW (1150 RPM)	1,50	-	46,18	0,96	3.818,86	362,45	7	1.454,27
TWIN BOX BV 12/12 1,5kW (1100 RPM)	1,50	-	46,72	0,86	3.749,82	330,06	6.87	1.454,27
TWIN BOX BV 12/12 1,5kW (1000 RPM)	1,5	-	45,71	0,67	3.542,13	272,92	6.49	1.454,27
TWIN BOX BV 12/12 1,5kW (1050 RPM)	1,50	-	45,71	0,78	3.719,16	300,90	6.81	1.454,27
TWIN BOX BV 12/12 2,2kW (1400 RPM)	2,20	-	48,37	1,59	4.282,71	561,31	7.85	1.339,07
TWIN BOX BV 12/12 2,2kW (1150 RPM)	2,2	-	46,18	0,95	3.818,86	362,45	7	1.339,07
TWIN BOX BV 12/12 2,2kW (1350 RPM)	2,20	-	49,14	1,46	4.249,92	519,90	7.79	1.339,07
TWIN BOX BV 12/12 2,2kW (1200 RPM)	2,20	-	44,97	1,06	3.921,48	391,82	7.18	1.339,07
TWIN BOX BV 12/12 2,2kW (1250 RPM)	2,20	-	49,99	1,20	4.096,23	443,09	7.5	1.339,07
TWIN BOX BV 12/12 2,2kW (1300 RPM)	2,20	-	49,91	1,35	4.243,90	479,53	7.78	1.339,07
TWIN BOX BV 15/15 0,55kW (600 RPM)	0,55	-	38,06	0,36	3.186,11	128,91	4.23	560,10
TWIN BOX BV 15/15 0,55kW (650 RPM)	0,55	-	38,03	0,46	3.460,16	151,16	4.59	560,10
TWIN BOX BV 15/15 0,55kW (700 RPM)	0,55	-	38,02	0,58	3.727,44	175,29	4.94	560,10
TWIN BOX BV 15/15 0,75kW (650 RPM)	0,75	-	41,19	0,39	3.458,75	151,18	4.59	541,08
TWIN BOX BV 15/15 0,75kW (700 RPM)	0,75	-	41,15	0,49	3.715,11	175,49	4.93	541,08
TWIN BOX BV 15/15 0,75kW (750 RPM)	0,75	-	41,12	0,60	4.002,66	201,06	5.31	541,08
TWIN BOX BV 15/15 1,1kW (700 RPM)	1,1	-	42,11	0,48	3.725,38	175,32	4.94	602,20
TWIN BOX BV 15/15 1,1kW (750 RPM)	1,1	-	42,13	0,59	3.983,34	201,41	5.28	602,20
TWIN BOX BV 15/15 1,1kW (800 RPM)	1,1	-	42,10	0,71	4.255,77	229,03	5.65	602,20
TWIN BOX BV 15/15 1,5kW (800 RPM)	1,5	-	42,82	0,70	4.255,77	229,03	5.65	749,58
TWIN BOX BV 15/15 1,5kW (850 RPM)	1,5	-	42,82	0,84	4.520,97	258,56	6	749,58
TWIN BOX BV 15/15 1,5kW (900 RPM)	1,5	-	42,75	0,99	4.766,24	290,32	6.32	749,58
TWIN BOX BV 15/15 2,2kW (900 RPM)	2,2	-	43,59	0,98	4.786,19	289,89	6.35	908,61
TWIN BOX BV 15/15 2,2kW (950 RPM)	2,2	-	43,59	1,15	5.051,41	323,01	6.7	908,61
TWIN BOX BV 15/15 2,2kW (1000 RPM)	2,2	-	43,58	1,34	5.316,58	357,93	7.05	908,61
TWIN BOX BV 15/15 3kW (1000 RPM)	3	-	44,21	1,33	5.331,87	357,56	7.07	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)
TWIN BOX BV 15/15 3kW (1050 RPM)	3	-	44,23	1,53	5.569,93	394,93	7.39	1.084,20
TWIN BOX BV 15/15 3kW (1100 RPM)	3	-	44,18	1,76	5.836,04	433,41	7.74	1.084,20
TWIN BOX BV 15/15 4kW (1100 RPM)	4	-	44,77	1,74	5.847,03	433,12	7.76	1.070,24
TWIN BOX BV 18/18 1,1kW (650 RPM)	1,10	-	49,15	1,36	6.640	312,38	6.36	904,80
TWIN BOX BV 18/18 1,1kW (700 RPM)	1,10	-	50,03	1,35	5.380	376,43	5.15	904,80
TWIN BOX BV 18/18 1,1kW (600 RPM)	1,10	-	47,85	1,03	5.887,97	269,37	5.64	904,80
TWIN BOX BV 18/18 1,1kW (550 RPM)	1,10	-	48,93	0,79	5.341,40	226,70	5.11	904,80
TWIN BOX BV 18/18 1,1kW (500 RPM)	1,10	-	47,34	0,61	5.017,74	184,91	4.8	904,80
TWIN BOX BV 18/18 1,5kW (750 RPM)	1,50	-	52,08	1,81	6.600	423,03	6.32	985,39
TWIN BOX BV 18/18 1,5kW (650 RPM)	1,50	-	49,19	1,22	5.959,34	317,56	5.71	985,39
TWIN BOX BV 18/18 1,5kW (700 RPM)	1,50	-	53,68	1,82	7.840	345,71	7.51	985,39
TWIN BOX BV 18/18 1,5kW (600 RPM)	1,50	-	49,10	1,01	5.855,16	269,60	5.61	985,39
TWIN BOX BV 18/18 1,5kW (550 RPM)	1,50	-	49,54	0,79	5.452,24	225,98	5.22	985,39
TWIN BOX BV 18/18 2,2kW (850 RPM)	2,20	-	50,94	2,61	7.590	541,90	7.27	1.239,37
TWIN BOX BV 18/18 2,2kW (800 RPM)	2,20	-	50,78	2,12	6.891	483,14	6.6	1.239,37
TWIN BOX BV 18/18 2,2kW (750 RPM)	2,20	-	51,44	1,72	6.332,18	426,07	6.06	1.239,37
TWIN BOX BV 18/18 2,2kW (700 RPM)	2,20	-	52,30	1,43	6.083,06	369,34	5.82	1.239,37
TWIN BOX BV 18/18 2,2kW (650 RPM)	2,20	-	50,84	1,24	6.246,77	315,64	5.98	1.239,37
TWIN BOX BV 18/18 2,2kW (600 RPM)	2,20	-	49,54	1	5.948,72	268,93	5.69	1.239,37
TWIN BOX BV 18/18 3kW (900 RPM)	3,00	-	52,27	2,78	7.082,39	625,15	6.78	1.543,10
TWIN BOX BV 18/18 3kW (950 RPM)	3,00	-	52,19	3,46	8.076,85	687,23	7.73	1.543,10
TWIN BOX BV 18/18 3kW (850 RPM)	3,00	-	51,14	2,46	7.163,99	547,42	6.86	1.543,10
TWIN BOX BV 18/18 3kW (800 RPM)	3,00	-	51,88	2,08	6.833,26	483,83	6.54	1.543,10
TWIN BOX BV 18/18 3kW (750 RPM)	3,00	-	52,54	1,75	6.599,17	423,04	6.32	1.543,10
TWIN BOX BV 18/18 3kW (700 RPM)	3,00	-	53,08	1,46	6.387,57	365,98	6.12	1.543,10
TWIN BOX BV 18/18 4kW (950 RPM)	4,00	-	52,55	3,21	7.421,33	697,36	7.1	1.558,68
TWIN BOX BV 18/18 4kW (900 RPM)	4,00	-	53,12	2,76	7.127,51	624,51	6.82	1.558,68
TWIN BOX BV 18/18 4kW (850 RPM)	4,00	-	52,26	2,49	7.375,07	544,73	7.06	1.558,68
TWIN BOX BV 18/18 4kW (750 RPM)	4,00	-	53,08	1,78	6.843,42	420,13	6.55	1.558,68
TWIN BOX BV 18/18 4kW (800 RPM)	4,00	-	52,92	2,14	7.211,52	479,15	6.9	1.558,68
TWIN BOX BV 18/18 5,5kW (950 RPM)	5,50	-	53,66	3,26	7.719,94	692,83	7.39	1.521,89
TWIN BOX BV 18/18 5,5kW (900 RPM)	5,50	-	54,25	2,86	7.629,93	617,13	7.3	1.521,89
TWIN BOX BV 18/18 5,5kW (800 RPM)	5,50	-	53,08	2,13	7.299,21	478,02	6.99	1.521,89
TWIN BOX BV 18/18 5,5kW (850 RPM)	5,50	-	53,09	2,56	7.756,56	539,63	7.43	1.521,89