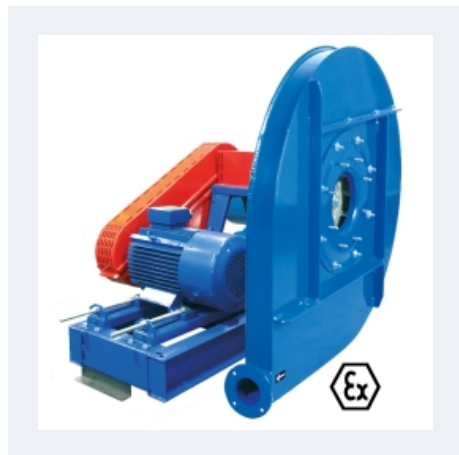


AATVA ATEX



ATEX HIGH PRESSURE WITH BACKWARD IMPELLER AND BELT TRANSMISSION

MANUFACTURING FEATURES:

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- High efficiency simple inlet backward impeller with self-cleaning system made of Fe360 sheet statically and dynamically balanced. Impellers are painted with polyester primer that resists temperatures up to 300°C.
- ATEX standard asynchronous motor. ATEX certified according to the zone. Squirrel-cage motor with class F insulation. Manufactured with standard voltages: 230/400V 50Hz for three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Motorized fan with base frame (configuration 12), full equipped fans including: motor, pulleys, belts, belts guard and shaft guard.

- Available positions (to be indicated in case of order): LG270, LG0, LG45, LG90, LG135, LG180, LG225, LG315, RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315.
- The indicated codes correspond to the model in position LG270

APPLICATIONS:

Designed for inline installation, they are suitable for:

- Industrial applications, extraction or injection of air.
- Cooling of machines and parts.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Clean air transport.
- Working temperature: ambient from -20°C to 40°C, transported air according to the ATEX classification.

UNDER REQUEST

- Fans for 60Hz and special voltages.
- Inox 304 (normal or electropolished finish)
- Inox 316 (normal or electropolished finish)
- Split casing (for big sizes)
- Drain plug.
- Frontal foot

Accessories



AB



AC



AVR



AVS



BA-400



EI



FS



**INT
ATEX**



JE 45



RI



SFC

Technical data

Three-phase motor

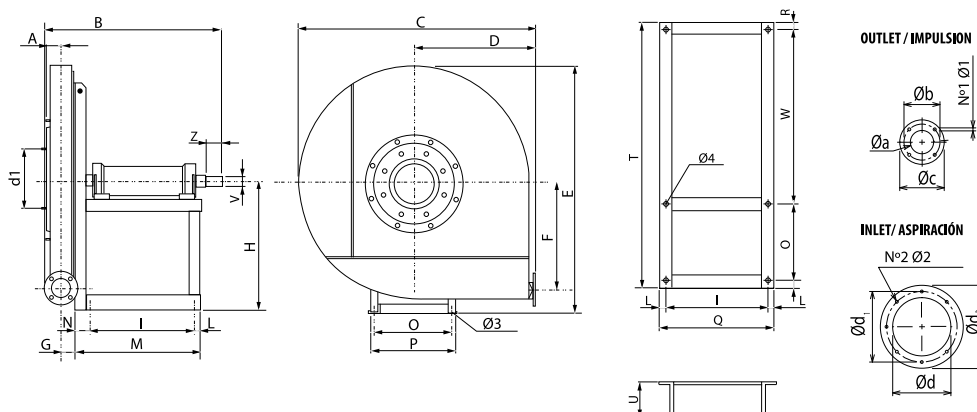
Code	Model	RPM	Min. Rated power kW	Max. Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
	AATVA 350/P ATEX	2000rpm - 3500rpm	0,37	1,10	240	54	28	1
	AATVA 400/P ATEX	2000rpm - 3500rpm	0,37	1,50	350	57	35	1
	AATVA 450/P ATEX	2000rpm - 3500rpm	0,37	3,00	370	59	38	1
	AATVA 500/P ATEX	1800rpm - 3500rpm	0,37	3,00	350	60	42	1
	AATVA 560/P ATEX	1800rpm - 3500rpm	0,37	3,00	370	64	65	1
	AATVA 630/P ATEX	1600rpm - 3500rpm	0,55	5,50	530	67	70	1
	AATVA 710/P ATEX	1400rpm - 3500rpm	1,10	7,50	760	69	100	1
	AATVA 800/P ATEX	1450rpm - 3500rpm	1,50	11,00	1.040	73	125	1
	AATVA 900/P ATEX	1250rpm - 3200rpm	3,00	18,50	1.410	74	220	1
	AATVA 1000/P ATEX	1250rpm - 2950rpm	4,00	22,00	1.770	75	330	1

Notes:

* The motor is not included in fan weight

** 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	G	H	I
AATVA 350/P ATEX	34	400	515	270	520	220	30	280	210
AATVA 400/P ATEX	34	405	675	350	673	300	31	355	210
AATVA 450/P ATEX	34	405	675	350	673	300	31	355	210
AATVA 500/P ATEX	34	405	675	350	673	300	31	355	210
AATVA 560/P ATEX	34	485	780	405	800	355	32	425	284
AATVA 630/P ATEX	34	485	780	405	800	355	32	425	284
AATVA 710/P ATEX	40	650	880	455	900	400	38	475	407
AATVA 800/P ATEX	40	650	980	505	1010	450	38	530	407
AATVA 900/P ATEX	49	695	1120	570	1140	500	48	600	407
AATVA 1000/P ATEX	49	850	1248	635	1305	560	50	670	477

Model	L	M	N	N1xØ1	N2xØ2	O	P	Q	R
AATVA 350/P ATEX	17	282	55	4x8,5	Nº8 M6x20	228	255	244	13,5
AATVA 400/P ATEX	17	282	55	4x8,5	Nº8 M6x20	228	255	244	13,5
AATVA 450/P ATEX	17	282	55	4x8,5	Nº8 M6x20	228	255	244	13,5
AATVA 500/P ATEX	17	282	55	4x8,5	Nº8 M6x20	228	255	244	13,5
AATVA 560/P ATEX	23	347	40	4x8,5	Nº8 M6x20	288	324	330	18
AATVA 630/P ATEX	23	347	40	4x8,5	Nº8 M6x20	288	324	303	18
AATVA 710/P ATEX	28	485	50	4x8,5	Nº8 M6x20	355	400	463	22,5
AATVA 800/P ATEX	28	485	50	4x8,5	Nº8 M6x20	355	400	463	22,5

Model	L	M	N	N1xØ1	N2xØ2	O	P	Q	R
AATVA 900/P ATEX	28	485	50	4x8,5	Nº8 M6x20	355	400	463	22,5
AATVA 1000/P ATEX	22,5	544,5	45	4x8,5	Nº8 M6x20	485	530	543	22,5

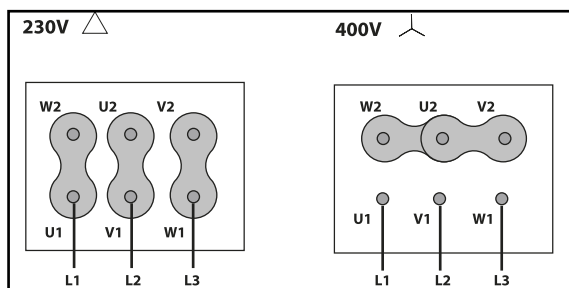
Model	S	T	U	V	Z	a	b	c	d
AATVA 350/P ATEX	445	700	80	19	40	54	84	104	145
AATVA 400/P ATEX	445	700	80	19	40	54	84	104	145
AATVA 450/P ATEX	445	700	80	19	40	54	84	104	145
AATVA 500/P ATEX	445	700	80	19	40	54	84	104	145
AATVA 560/P ATEX	576	900	100	24	50	54	84	104	145
AATVA 630/P ATEX	576	900	100	24	50	54	84	104	145
AATVA 710/P ATEX	660	1060	120	28	60	66	102	126	165
AATVA 800/P ATEX	660	1060	120	28	60	66	102	126	165
AATVA 900/P ATEX	780	1180	120	38	80	83	118	143	185
AATVA 1000/P ATEX	780	1310	120	42	110	83	118	143	185

Model	d1	d2	Ø3	Ø4
AATVA 350/P ATEX	182	215	10	12
AATVA 400/P ATEX	182	215	12	12
AATVA 450/P ATEX	182	215	12	12
AATVA 500/P ATEX	182	215	14	12
AATVA 560/P ATEX	182	215	14	15
AATVA 630/P ATEX	182	215	14	15
AATVA 710/P ATEX	200	235	14	15
AATVA 800/P ATEX	200	235	14	15
AATVA 900/P ATEX	219	250	14	15
AATVA 1000/P ATEX	219	250	14	15

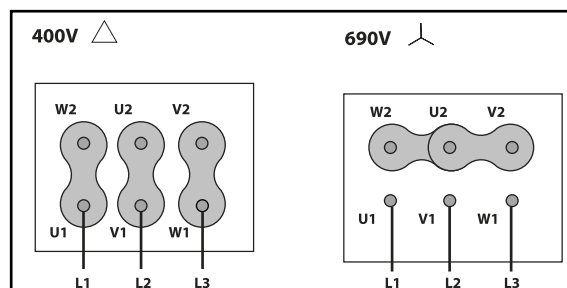
Wiring diagram

Wiring diagram N° 1

230/400V



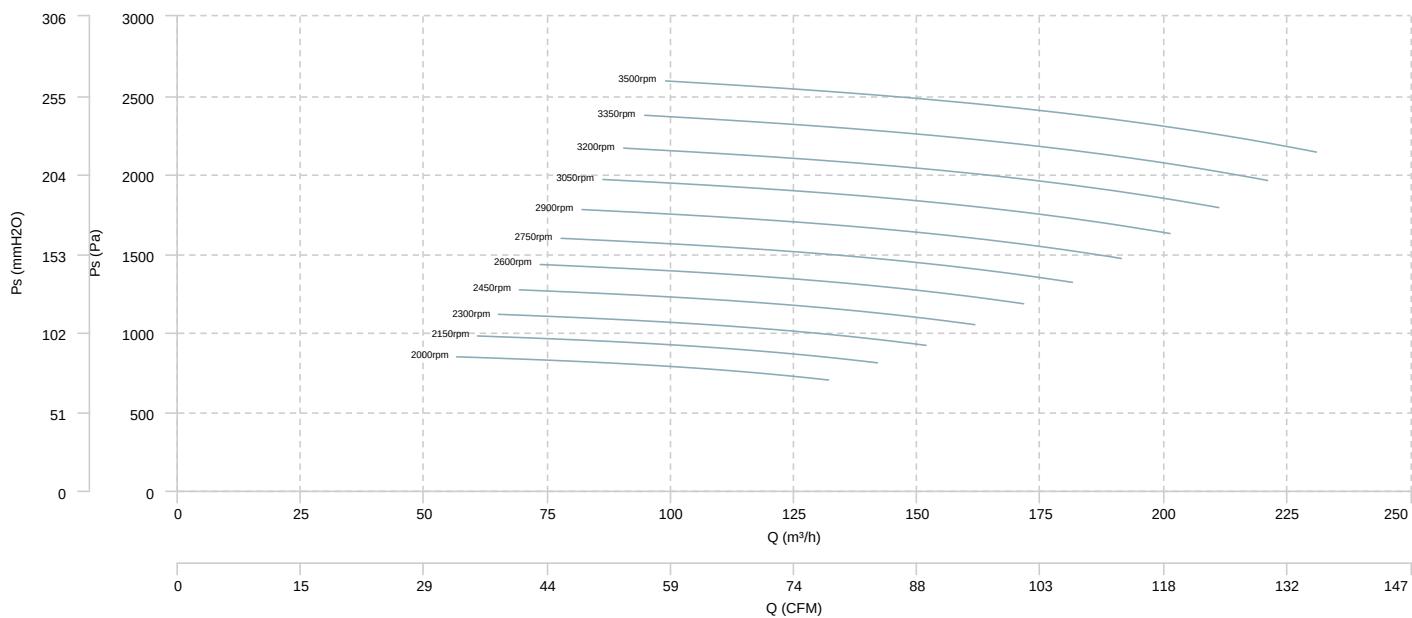
400/690V



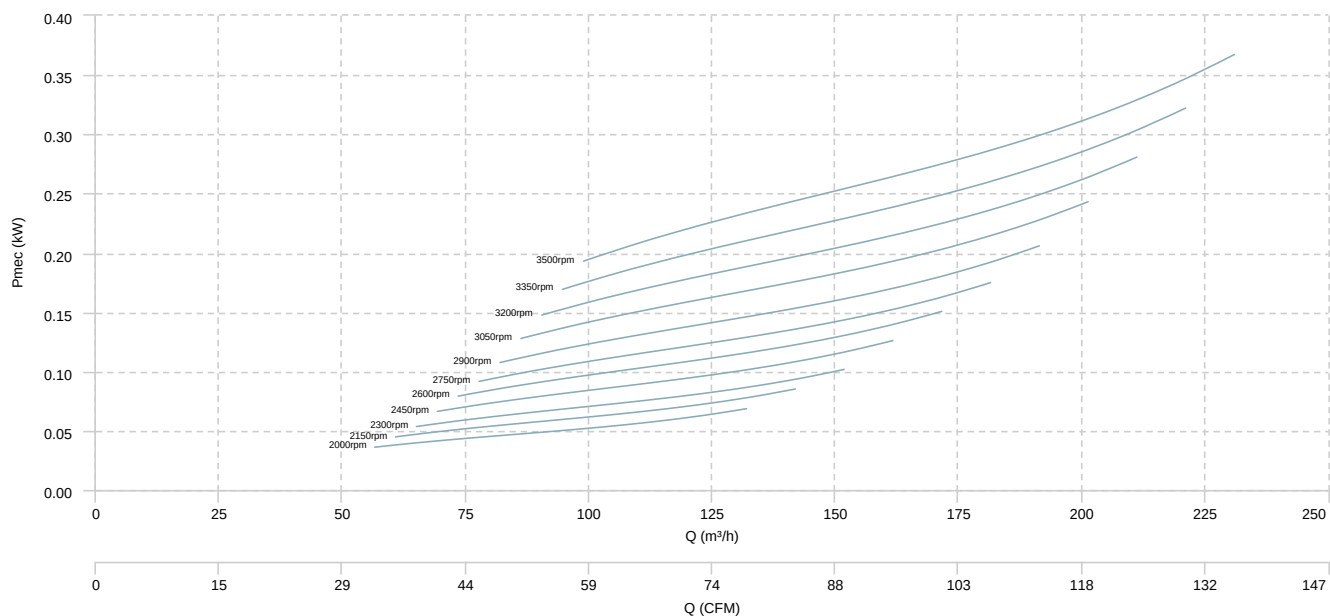
CHARACTERISTIC CURVE

AATVA 350/P ATEX

AIR FLOW - PRESSURE

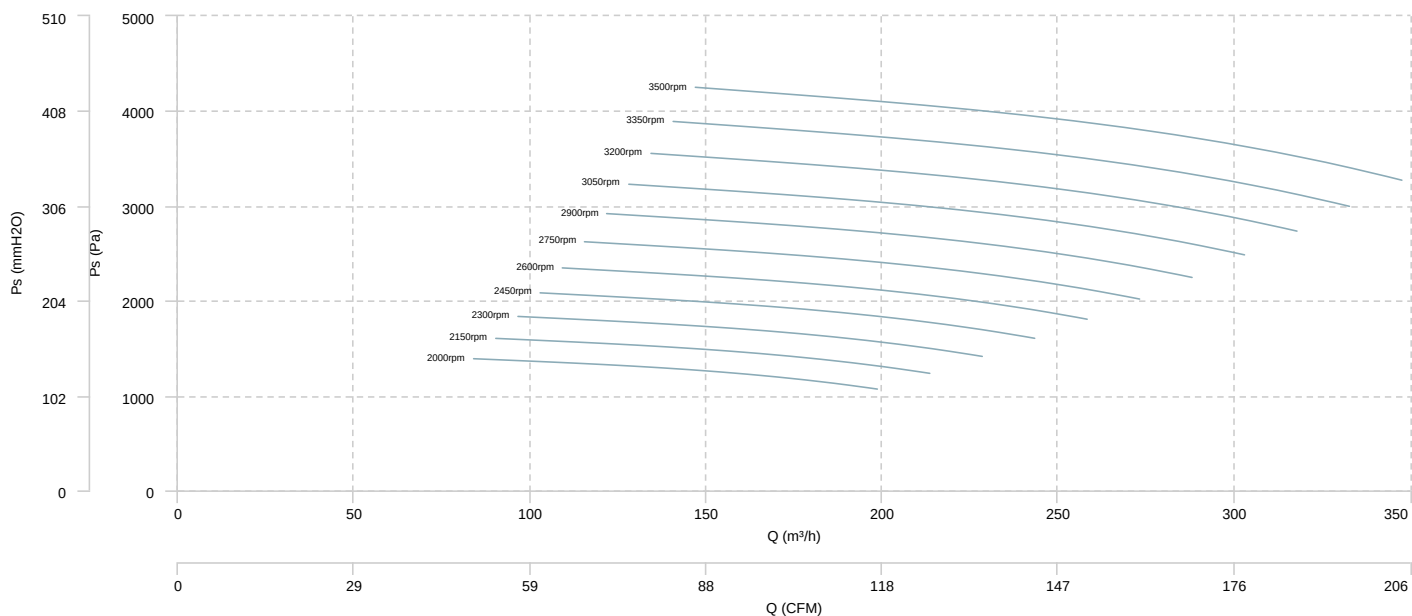


AIR FLOW - MECHANICAL POWER

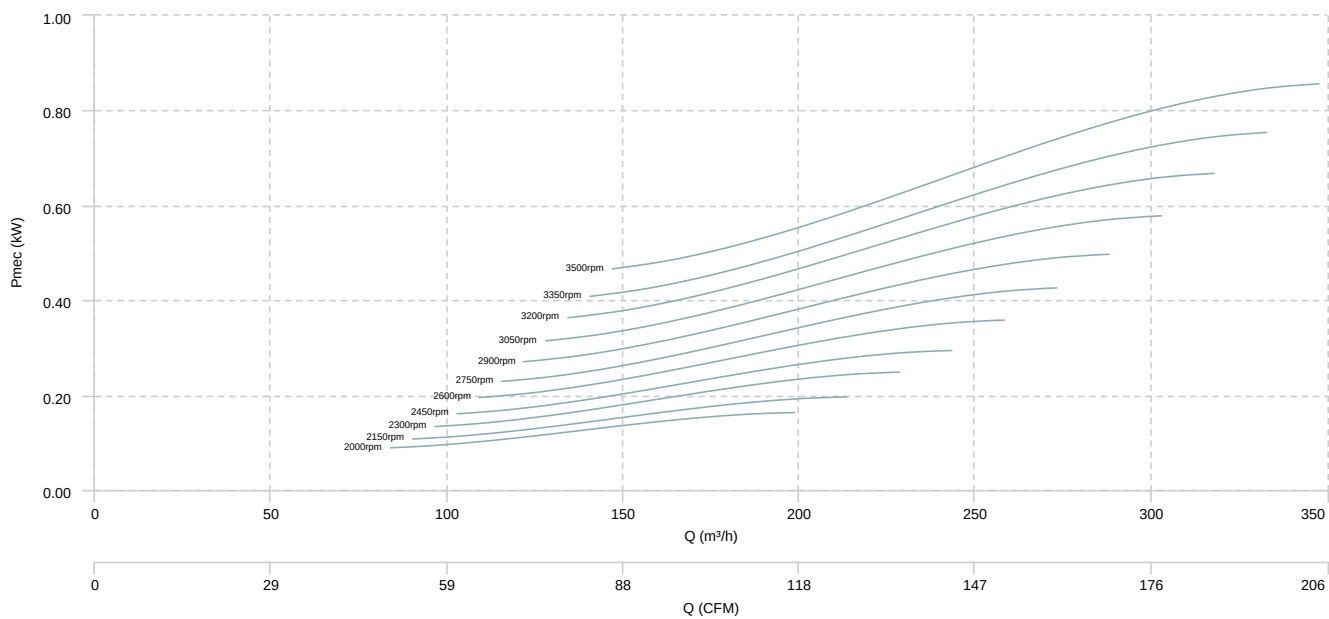


AATVA 400/P ATEX

AIR FLOW - PRESSURE

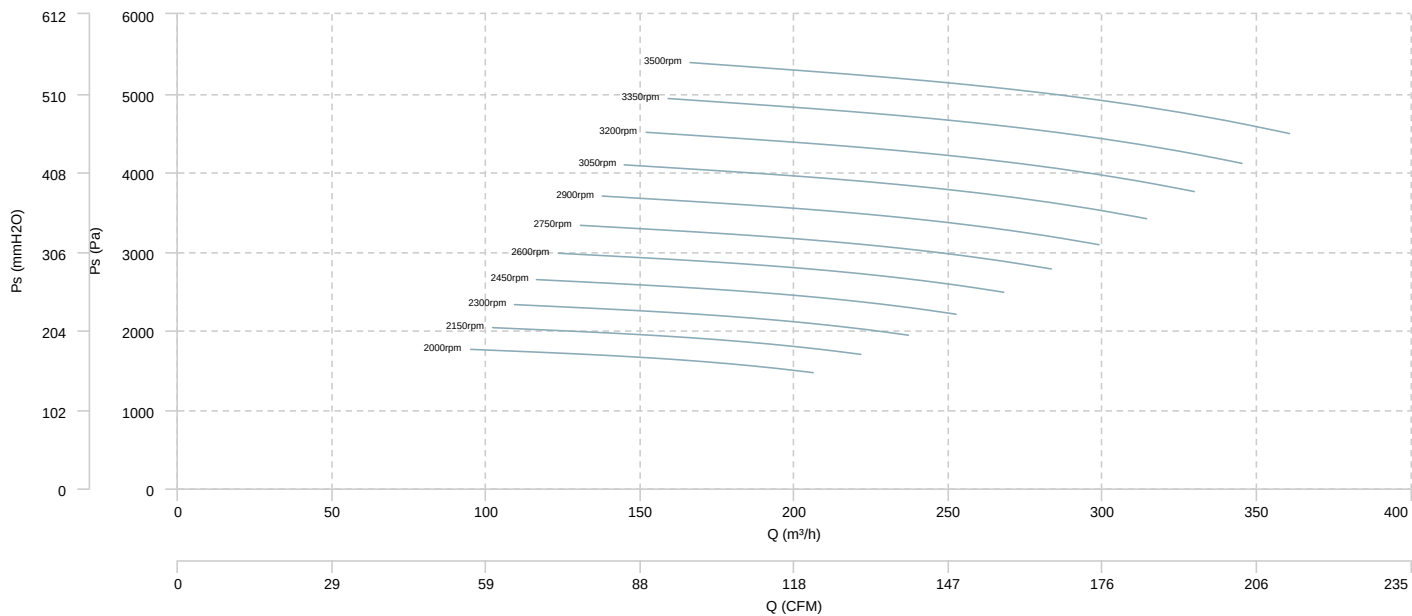


AIR FLOW - MECHANICAL POWER

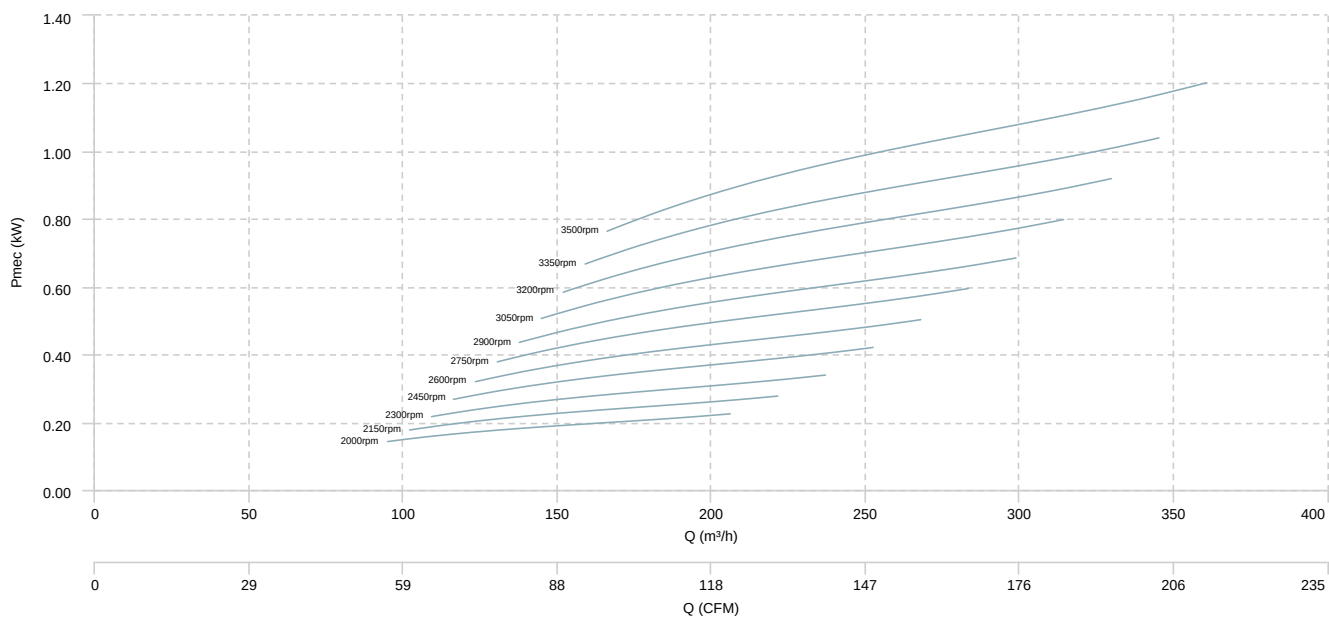


AATVA 450/P ATEX

AIR FLOW - PRESSURE

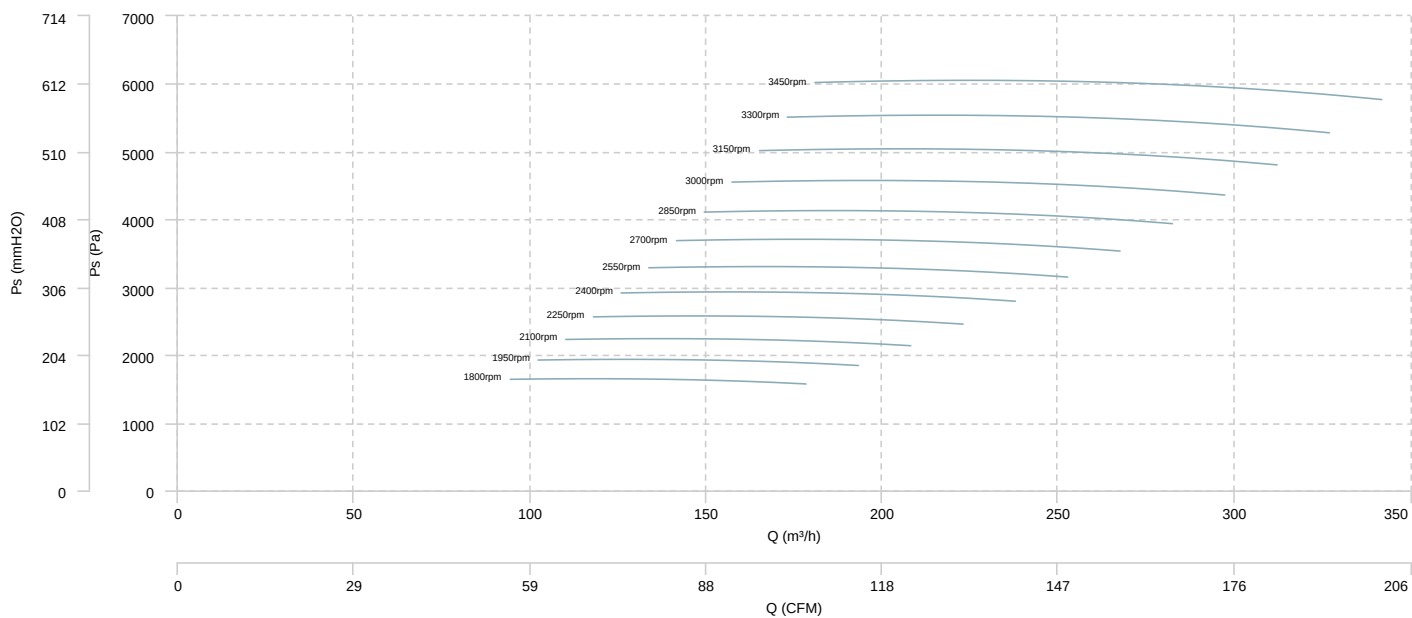


AIR FLOW - MECHANICAL POWER

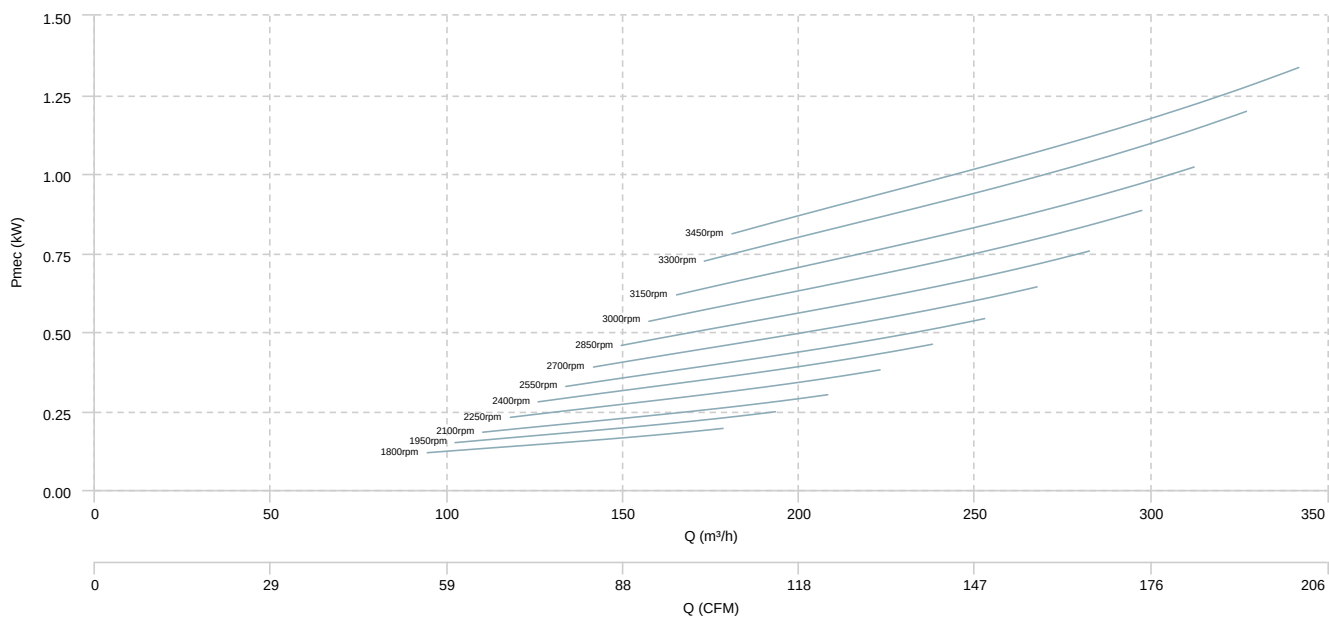


AATVA 500/P ATEX

AIR FLOW - PRESSURE

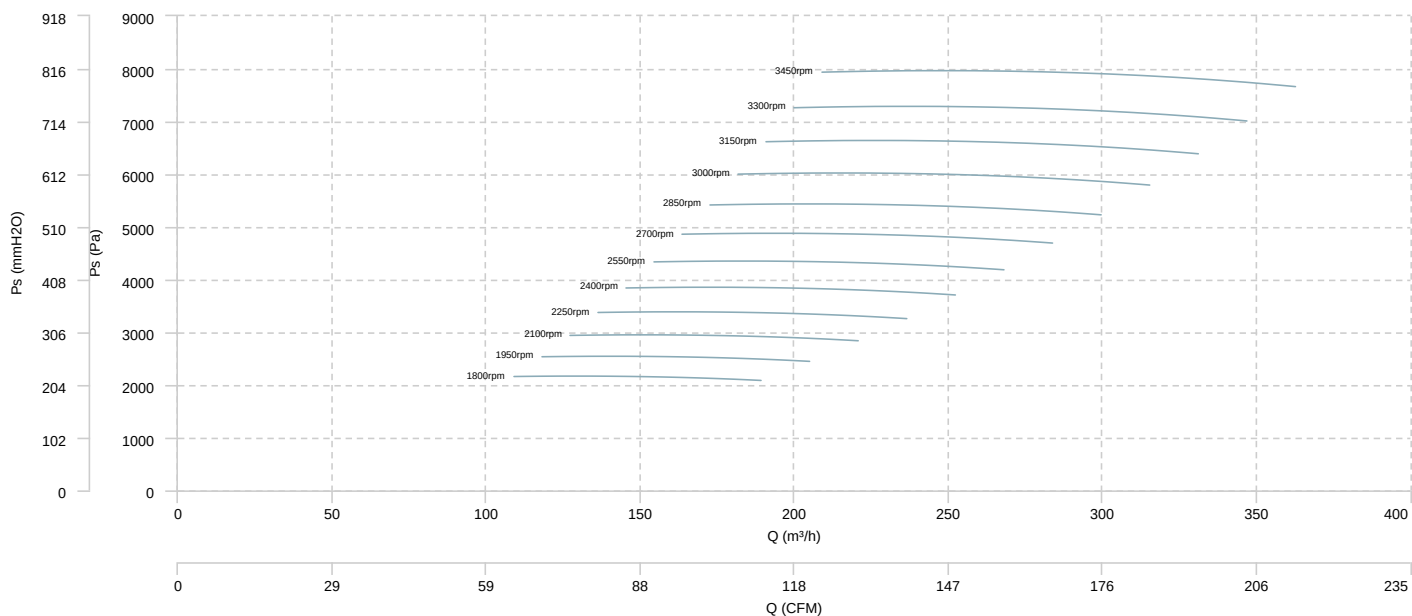


AIR FLOW - MECHANICAL POWER

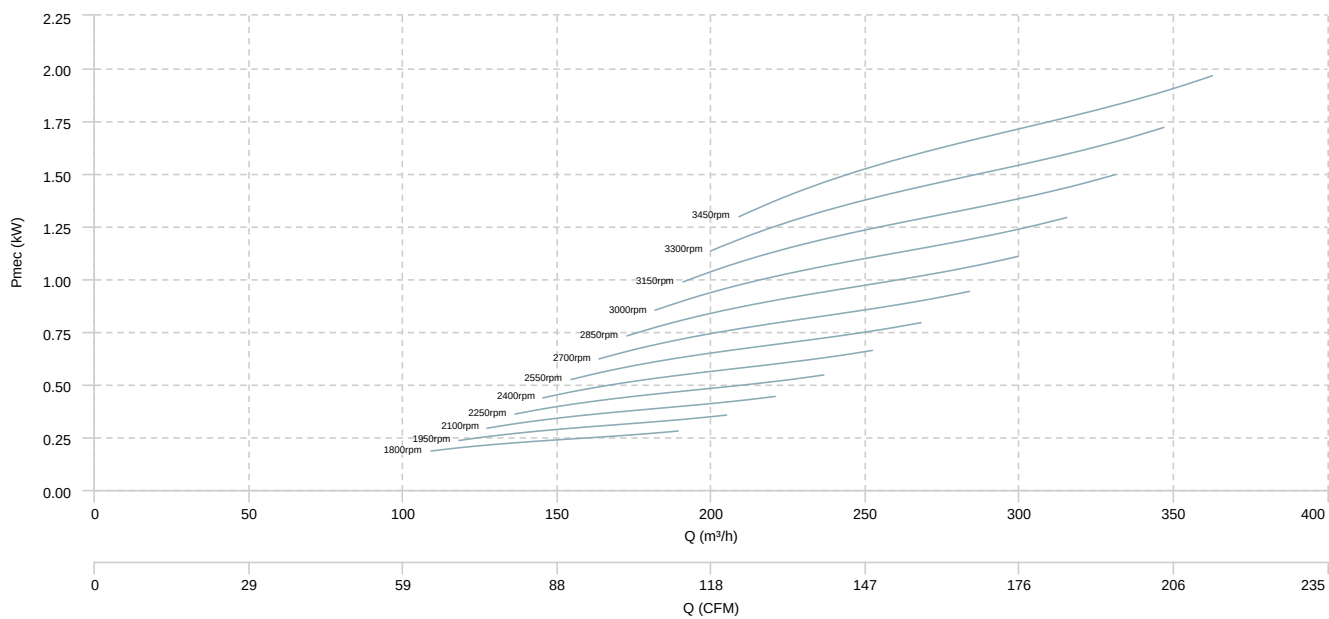


AATVA 560/P ATEX

AIR FLOW - PRESSURE

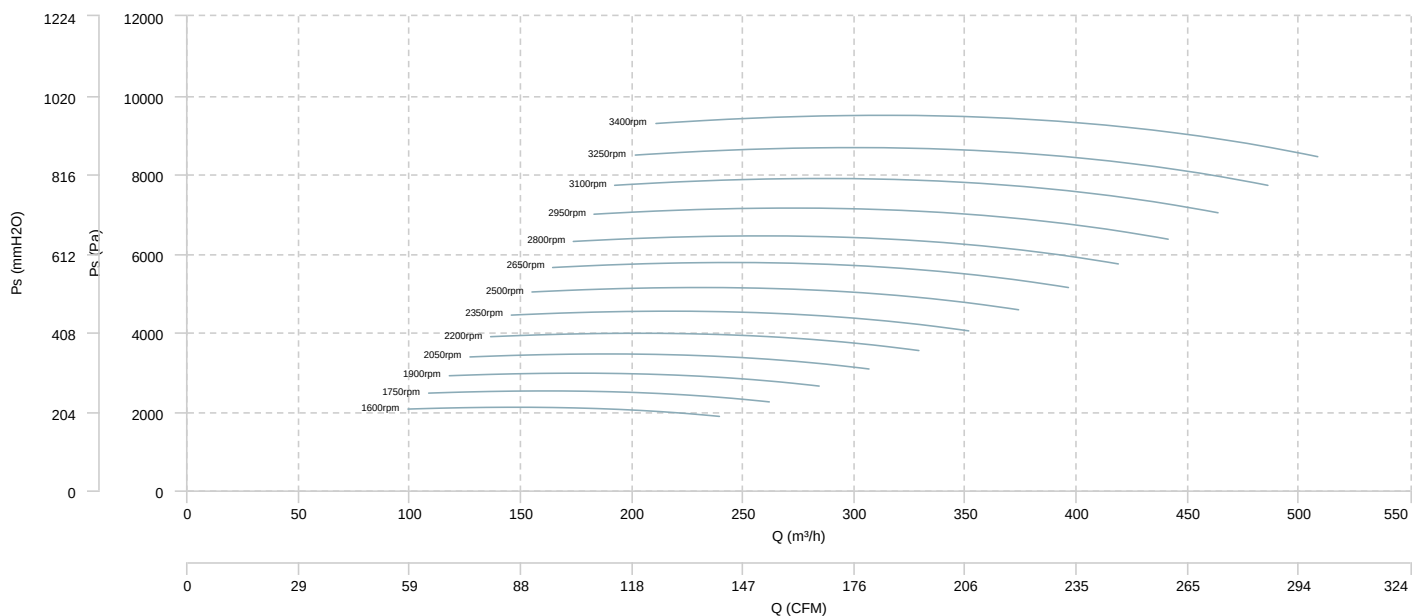


AIR FLOW - MECHANICAL POWER

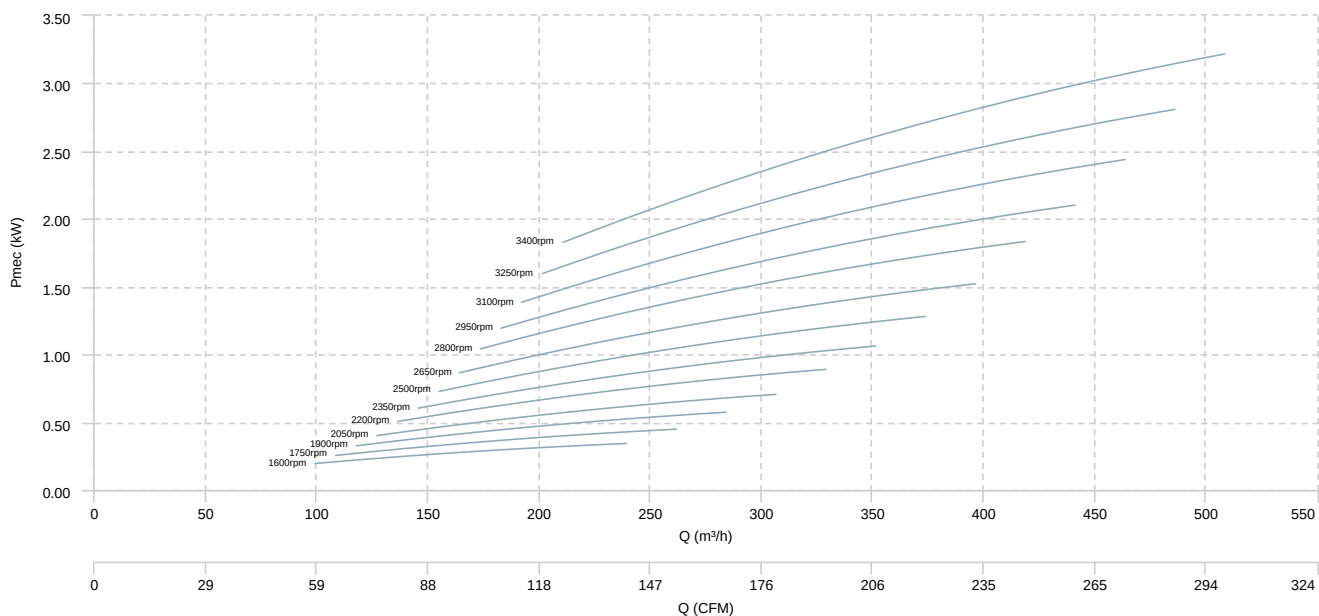


AATVA 630/P ATEX

AIR FLOW - PRESSURE

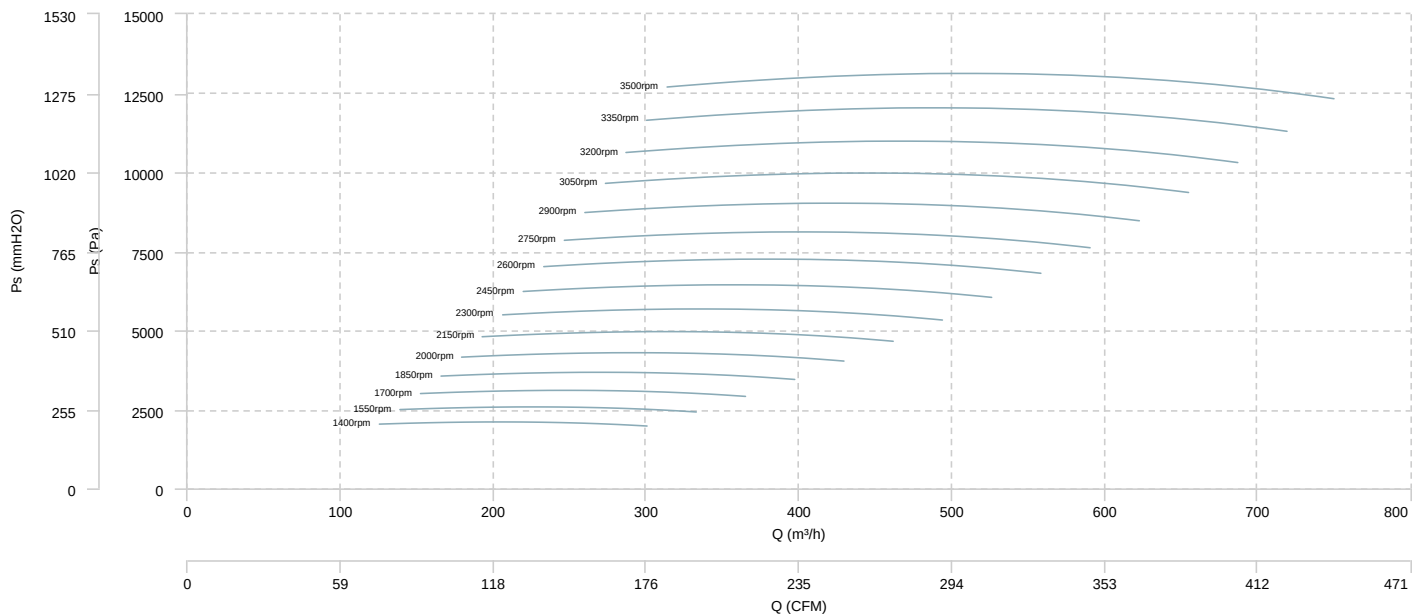


AIR FLOW - MECHANICAL POWER

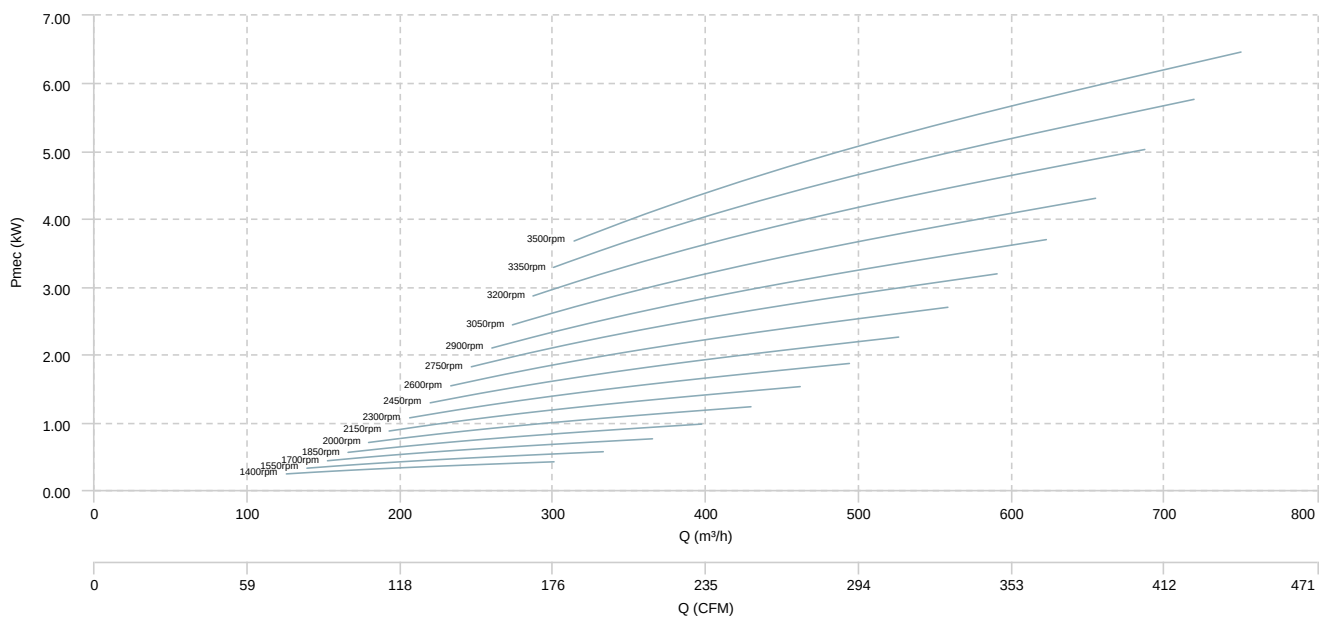


AATVA 710/P ATEX

AIR FLOW - PRESSURE

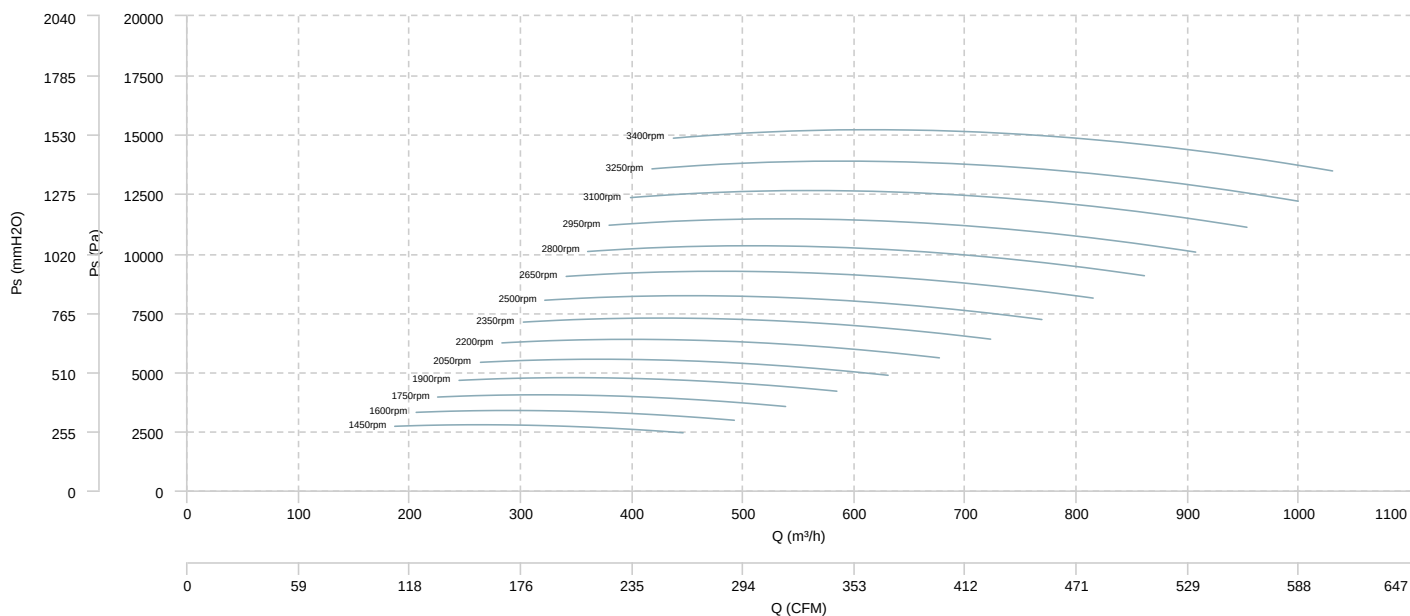


AIR FLOW - MECHANICAL POWER

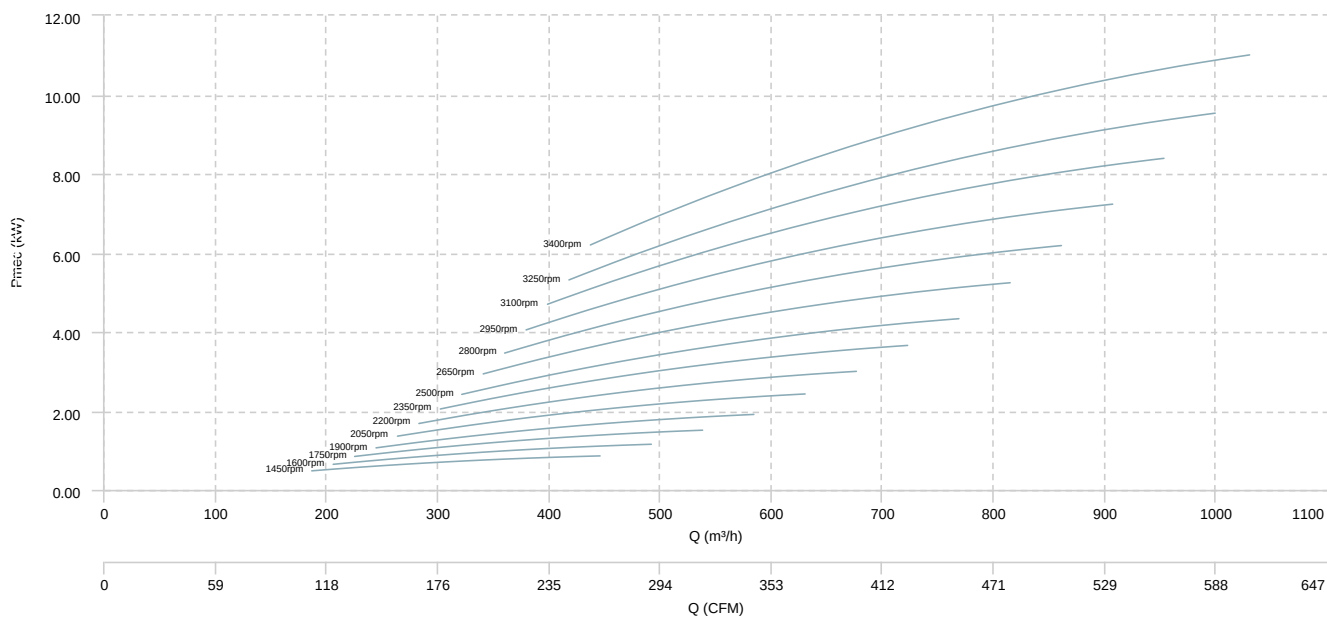


AATVA 800/P ATEX

AIR FLOW - PRESSURE

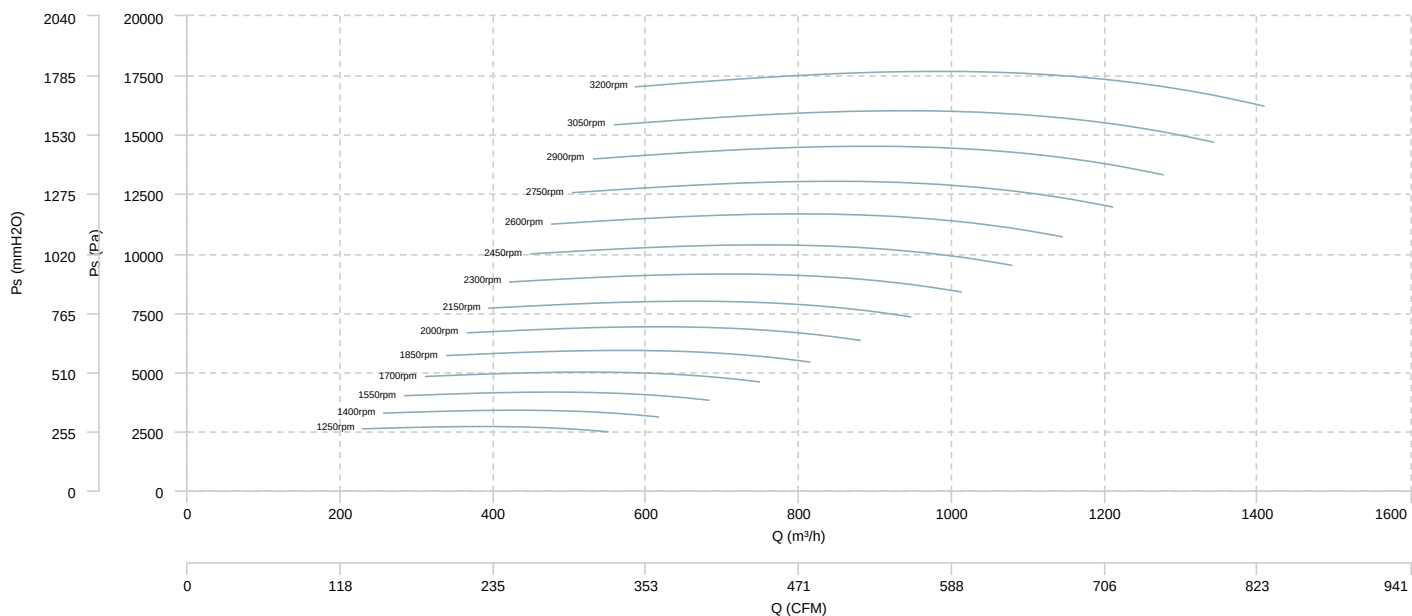


AIR FLOW - MECHANICAL POWER

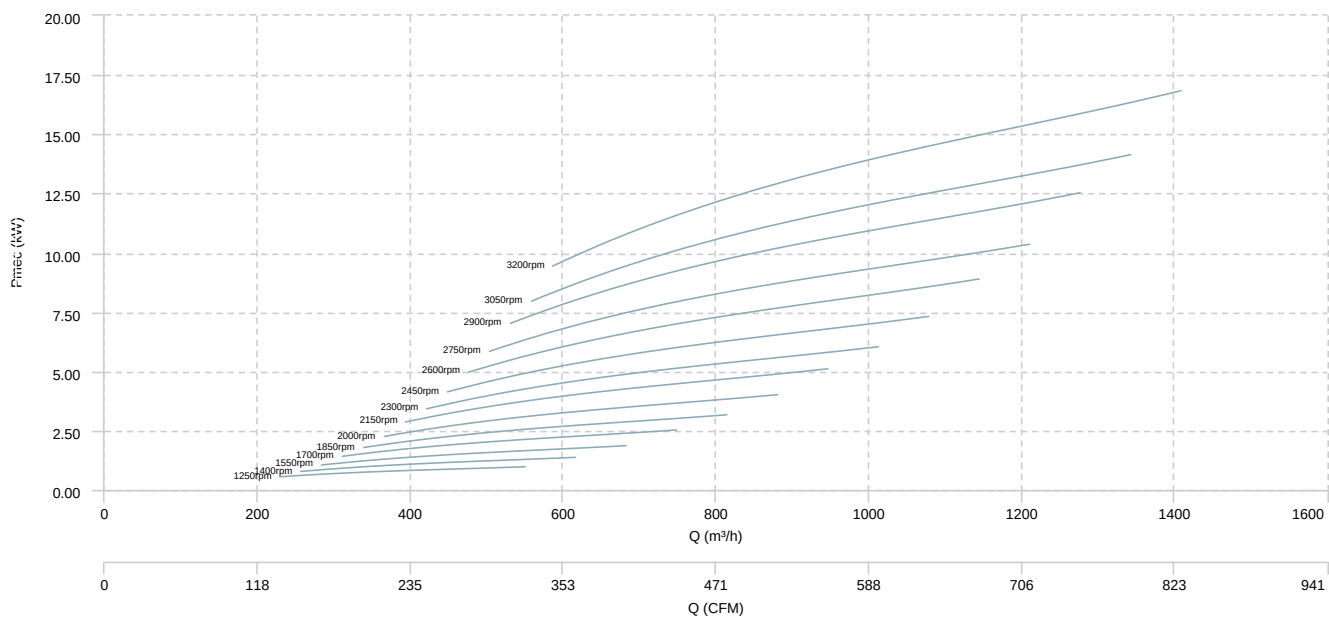


AATVA 900/P ATEX

AIR FLOW - PRESSURE

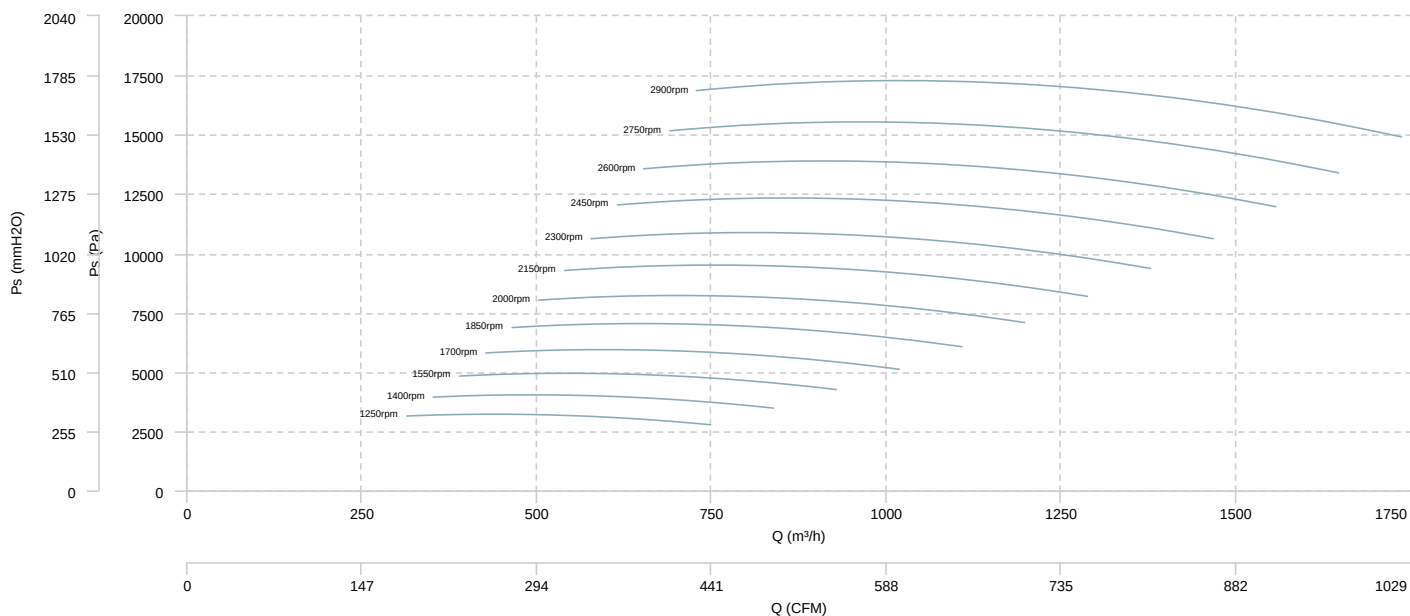


AIR FLOW - MECHANICAL POWER

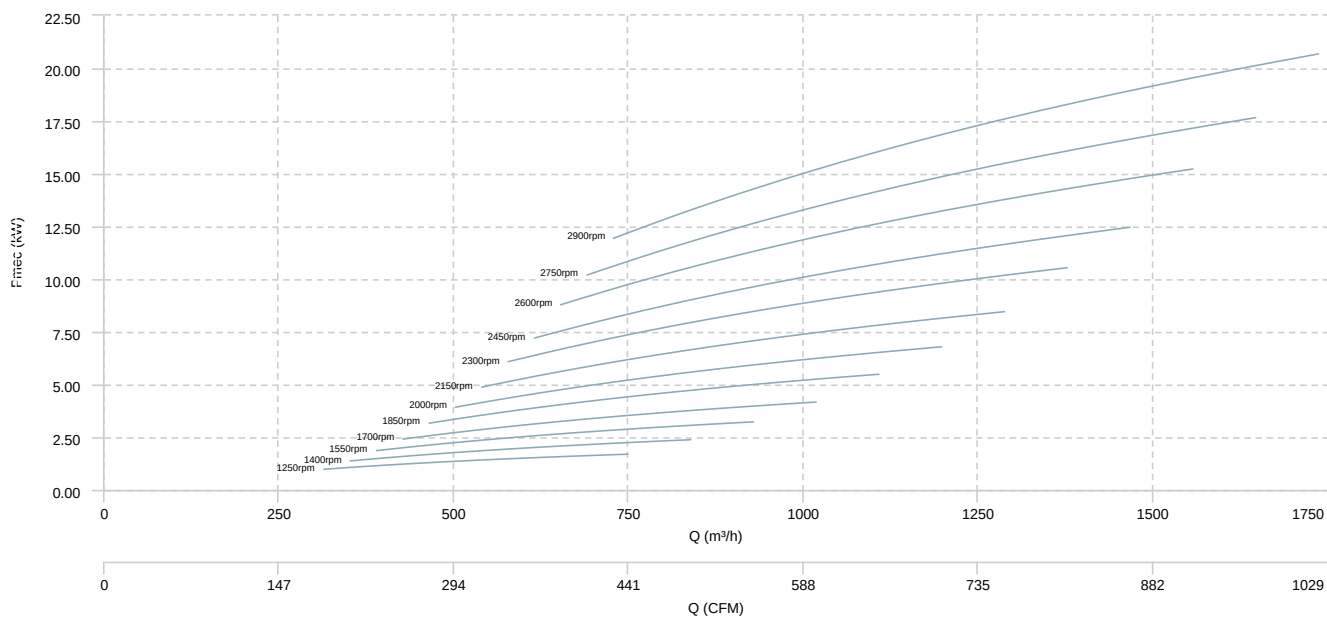


AATVA 1000/P ATEX

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
AATVA 350/P ATEX (2000rpm)	Inlet	40	52	58	63	63	59	52	49	68
AATVA 400/P ATEX (2000rpm)	Inlet	43	55	62	66	67	62	56	53	71
AATVA 450/P ATEX (2000rpm)	Inlet	46	58	64	68	69	64	58	55	73
AATVA 500/P ATEX (1800rpm)	Inlet	44	56	62	66	67	62	56	53	71
AATVA 560/P ATEX (1800rpm)	Inlet	48	60	66	71	71	67	60	57	76
AATVA 630/P ATEX (1600rpm)	Inlet	48	60	67	71	72	67	61	58	76
AATVA 710/P ATEX (1400rpm)	Inlet	49	61	67	71	72	67	61	58	76
AATVA 800/P ATEX (1450rpm)	Inlet	52	64	71	75	76	71	65	62	80
AATVA 900/P ATEX (1250rpm)	Inlet	52	64	70	74	75	71	64	61	80
AATVA 1000/P ATEX (1250rpm)	Inlet	55	67	73	77	78	73	67	64	82

Notes:

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

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