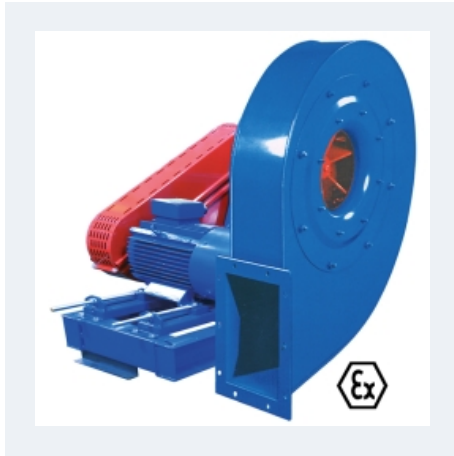


AATZA ATEX



ATEX HIGH PRESSURE WITH STRAIGHT 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, radial, curved and open blades impeller 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.
- Solid material transport and textile fibers.
- 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



BADS
ATEX



BIDS
ATEX



EI



FS



INT
ATEX



JE 45



RI



SFC

Technical data

Three-phase motor

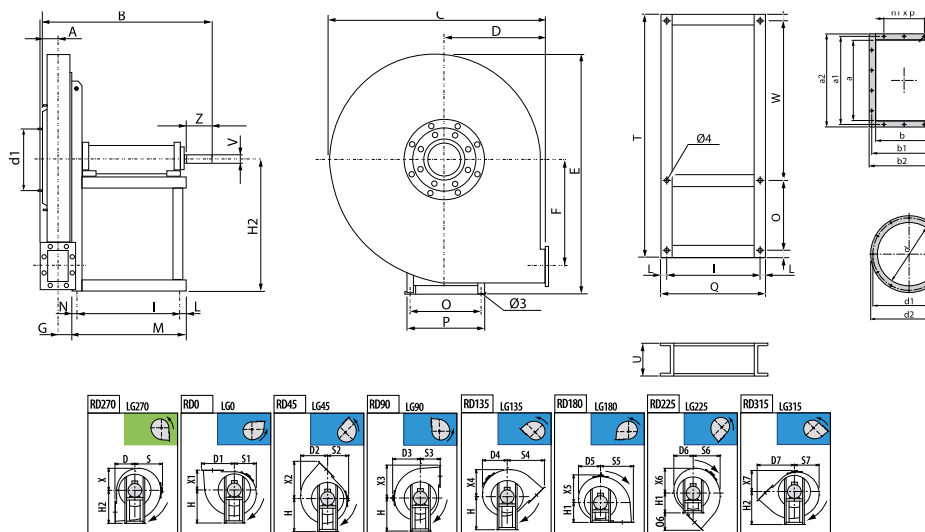
Code	Model	RPM	Min. Rated power kW	Max. Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
	AATZA 400 ATEX	2350rpm - 3500rpm	0,37	4,00	640	53	37	1
	AATZA 450 ATEX	2150rpm - 3500rpm	0,37	5,50	830	57	48	1
	AATZA 500 ATEX	1900rpm - 3500rpm	0,37	5,50	1.130	62	68	1
	AATZA 560 ATEX	1700rpm - 3500rpm	0,55	7,50	1.570	67	91	1
	AATZA 630 ATEX	1500rpm - 3300rpm	1,10	9,00	2.230	66	118	1
	AATZA 710 ATEX	1350rpm - 2900rpm	1,50	11,00	2.510	68	179	1
	AATZA 800 ATEX	1200rpm - 2600rpm	2,20	15,00	3.770	66	217	1
	AATZA 900 ATEX	1050rpm - 2300rpm	3,00	18,50	4.790	68	280	1
	AATZA 1000 ATEX	950rpm - 2100rpm	4,00	22,00	5.780	69	365	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	D1	D2	D3	D4	D5
AATZA 400 ATEX	42	514	620	280	351	314	340	302	282
AATZA 450 ATEX	46	522	675	300	388	350	375	335	313
AATZA 500 ATEX	52	677	745	335	431	386	410	370	345
AATZA 560 ATEX	59	688	835	375	483	438	460	418	391
AATZA 630 ATEX	65	723	940	425	544	493	515	472	441

Model	D6	D7	E	F	G	H	H1	H2	I
AATZA 400 ATEX	293	445	657	273	38	375	375	375	284
AATZA 450 ATEX	319	486	713	305	42	400	400	400	284
AATZA 500 ATEX	350	541	795	342	47	450	450	450	407
AATZA 560 ATEX	392	606	891	387	53	500	500	500	407
AATZA 630 ATEX	438	688	1001	436	58	560	560	560	407

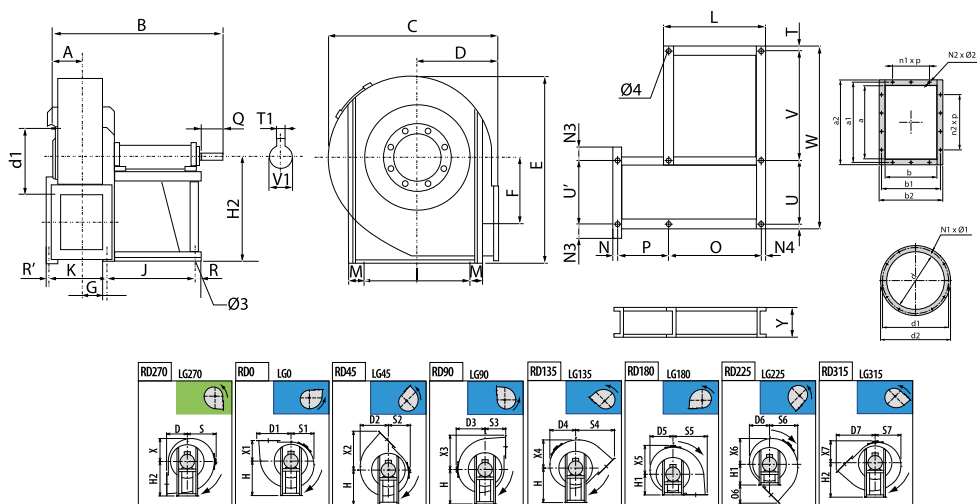
Model	L	M	N	N1xØ1	N2xØ2	O	O6	P	Q
AATZA 400 ATEX	23	347	40	Nº4 M6x20	4x10	288	165	324	330
AATZA 450 ATEX	23	347	40	Nº8 M6x20	4x10	288	186	324	330
AATZA 500 ATEX	28	485	50	Nº8 M6x20	4x10	355	206	400	463
AATZA 560 ATEX	28	485	50	Nº8 M6x20	6x10	355	231	400	463
AATZA 630 ATEX	28	485	50	Nº8 M6x20	6x12	355	263	400	463

Model	R	S	S1	S2	S3	S4	S5	S6	S7
AATZA 400 ATEX	18	340	282	293	280	445	351	314	302
AATZA 450 ATEX	18	375	313	319	300	486	388	350	335
AATZA 500 ATEX	23	410	345	350	335	541	431	386	370
AATZA 560 ATEX	23	460	391	392	375	606	483	438	418
AATZA 630 ATEX	23	515	441	438	425	688	544	493	472

Model	T	U	V	W	X	X1	X2	X3	X4
AATZA 400 ATEX	900	100	24	576	282	280	445	351	314
AATZA 450 ATEX	900	100	24	576	313	300	486	388	350
AATZA 500 ATEX	1060	120	28	660	345	335	541	431	386
AATZA 560 ATEX	1180	120	28	780	391	375	606	483	438
AATZA 630 ATEX	1180	120	38	780	441	425	688	544	493

Model	X5	X6	X7	Z	a	a1	a2	b	b1
AATZA 400 ATEX	340	302	293	50	95	129	155	68	102
AATZA 450 ATEX	375	335	319	50	105	139	165	76	110
AATZA 500 ATEX	410	370	350	60	117	151	177	85	119
AATZA 560 ATEX	460	418	392	60	131	165	191	95	129
AATZA 630 ATEX	515	472	438	80	146	182	216	105	139

Model	b2	d	d1	d2	n2xp	Ø3	Ø4
AATZA 400 ATEX	128	130	165	190	-	14	14
AATZA 450 ATEX	136	145	182	215	-	12	14
AATZA 500 ATEX	145	165	200	235	-	14	14
AATZA 560 ATEX	155	185	219	250	1x100	14	14
AATZA 630 ATEX	175	205	241	275	1x112	14	14



Model	A	B	C	D	D1	D2	D3	D4	D5
AATZA 710 ATEX	70	835	1045	475	606	547	570	522	492
AATZA 800 ATEX	78	850	1170	530	679	622	640	592	554
AATZA 900 ATEX	86	870	1315	600	759	696	715	668	628
AATZA 1000 ATEX	95	975	1460	670	841	775	790	735	691

Model	D6	D7	E	F	G	H	H1	H2	I
AATZA 710 ATEX	489	764	1122	488	101,5	630	630	630	485
AATZA 800 ATEX	545	854	1264	551	108,5	710	710	710	485
AATZA 900 ATEX	617	961	1428	620	120,5	800	800	800	485
AATZA 1000 ATEX	670	1072	1591	690	139,5	900	900	900	762

Model	J	K	L	M	N	N1xØ1	N2xØ2	N3	N4
AATZA 710 ATEX	477	203	543	23	20	Nº8 M8x25	6x12	55	33
AATZA 800 ATEX	477	217	543	23	20	Nº8 M8x25	6x12	60	33
AATZA 900 ATEX	477	241	543	23	25	Nº8 M8x25	8x12	70	33
AATZA 1000 ATEX	551	279	629	32	35	Nº8 M8x25	8x12	150	39

Model	O	O6	P	Q	R	R'	S	S1	S2
AATZA 710 ATEX	477	289	203	110	33	20	570	492	489
AATZA 800 ATEX	477	324	217	110	33	20	640	554	545
AATZA 900 ATEX	477	361	241	110	33	25	715	628	617
AATZA 1000 ATEX	551	172	279	110	39	35	790	691	670

Model	S3	S4	S5	S6	S7	T	T1	U	U'
AATZA 710 ATEX	475	764	606	547	522	23	12	485	410
AATZA 800 ATEX	530	854	679	622	592	23	12	485	420
AATZA 900 ATEX	600	961	759	696	668	23	14	485	485
AATZA 1000 ATEX	670	1072	841	775	735	32	14	762	526

Model	V	V1	W	X	X1	X2	X3	X4	X5
AATZA 710 ATEX	720	42	1250	492	475	764	606	547	570
AATZA 800 ATEX	970	42	1500	554	530	854	679	622	640
AATZA 900 ATEX	970	48	1500	628	600	961	759	696	715
AATZA 1000 ATEX	974	48	1800	691	670	1072	841	775	790

Model	X6	X7	Y	a	a1	a2	b	b1	b2
AATZA 710 ATEX	522	489	160	166	200	236	117	151	187
AATZA 800 ATEX	592	545	160	185	219	255	131	165	201

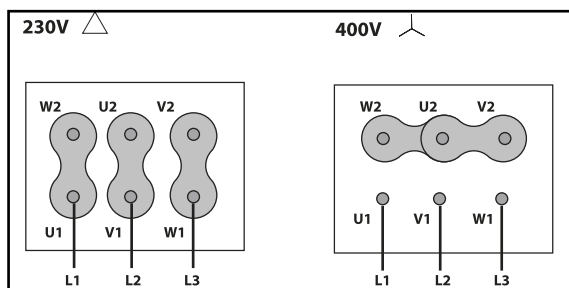
Model	X6	X7	Y	a	a1	a2	b	b1	b2
AATZA 900 ATEX	668	617	160	207	241	277	148	182	218
AATZA 1000 ATEX	735	670	180	231	265	301	166	200	236

Model	d	d1	d2	n1xp	n2xp	Ø3	Ø4
AATZA 710 ATEX	228	265	298	-	1x112	19	19
AATZA 800 ATEX	255	292	325	-	1x112	19	19
AATZA 900 ATEX	285	332	365	1x112	1x112	19	19
AATZA 1000 ATEX	320	366	400	1x112	1x112	24	20

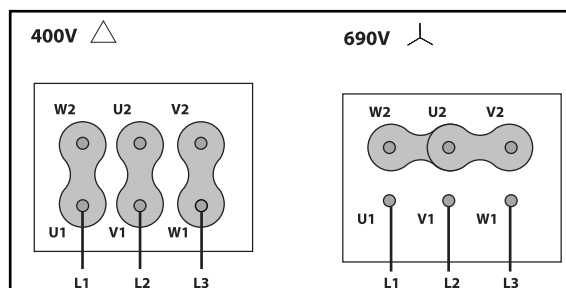
Wiring diagram

Wiring diagram N° 1

230/400V



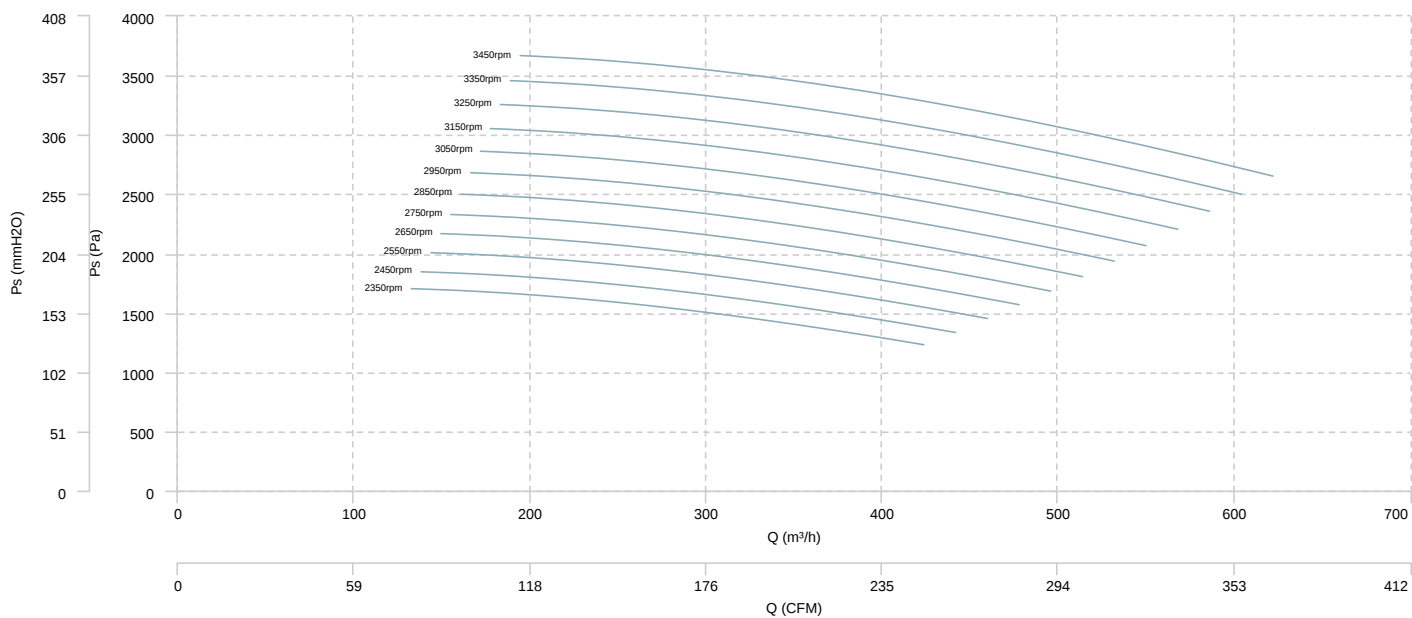
400/690V



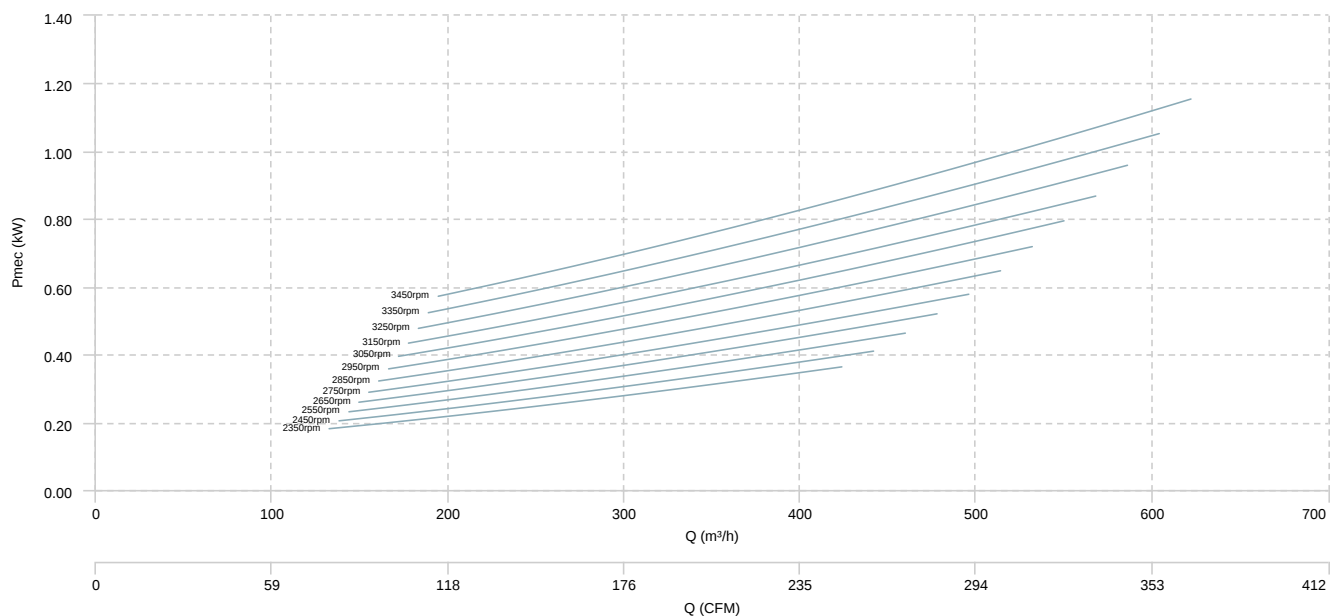
CHARACTERISTIC CURVE

AATZA 400 ATEX

AIR FLOW - PRESSURE

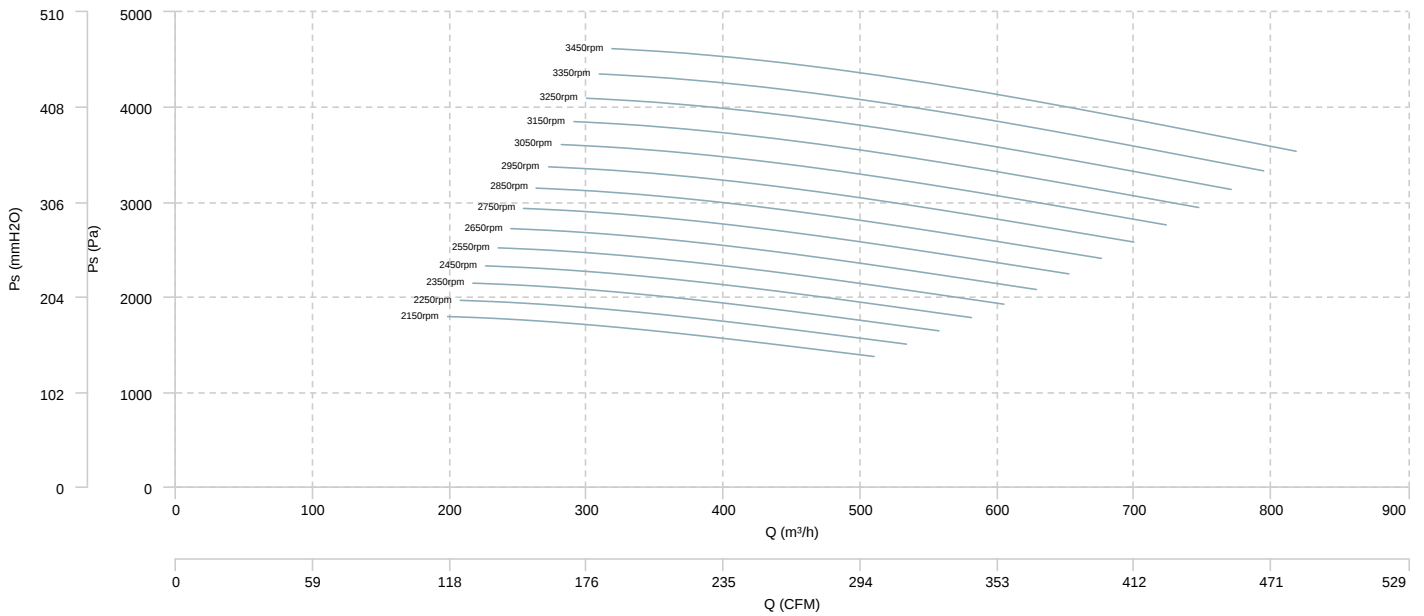


AIR FLOW - MECHANICAL POWER

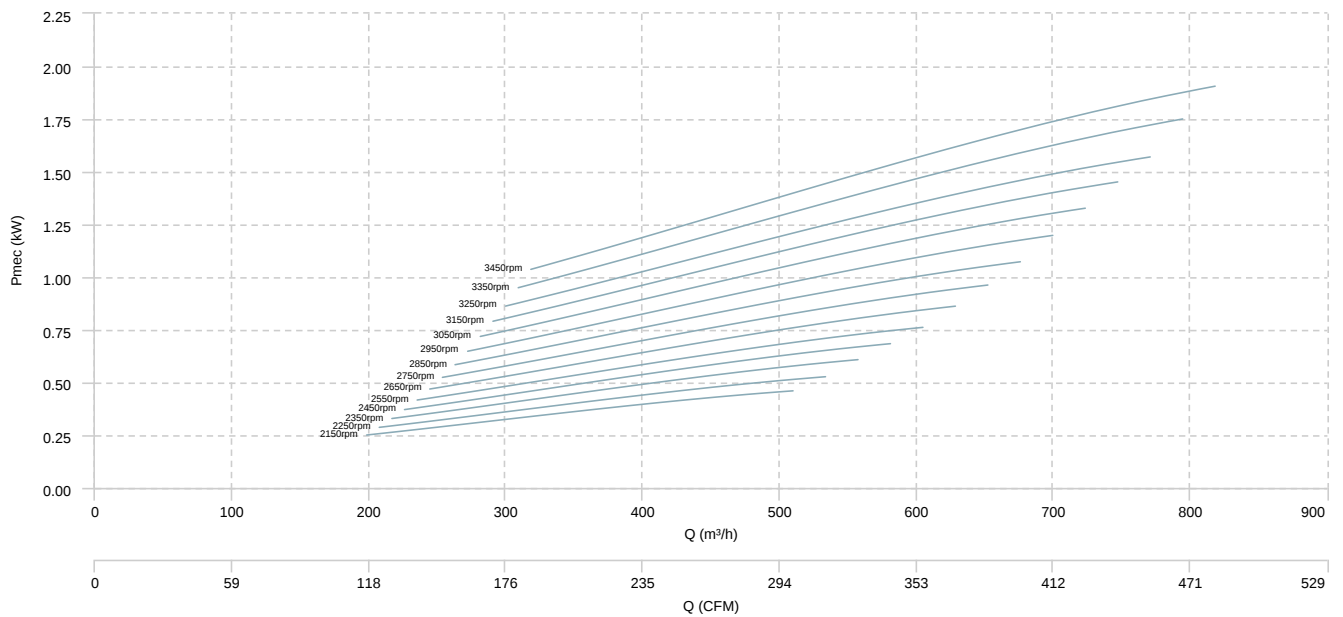


AATZA 450 ATEX

AIR FLOW - PRESSURE

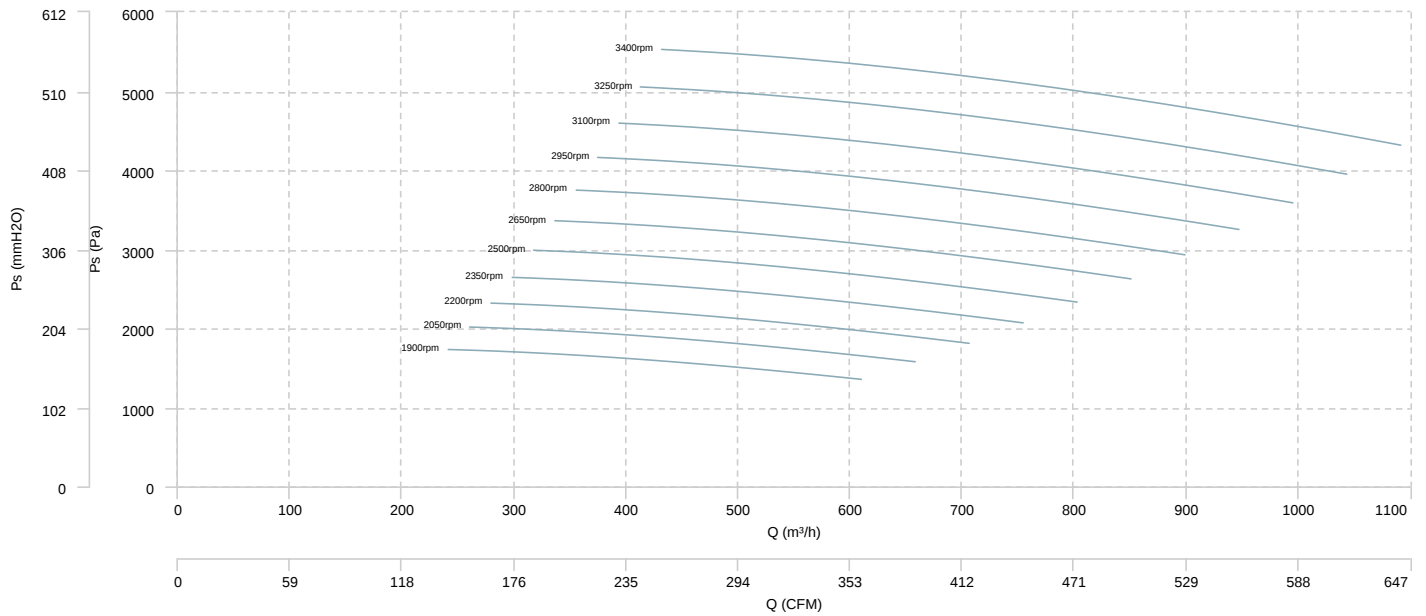


AIR FLOW - MECHANICAL POWER

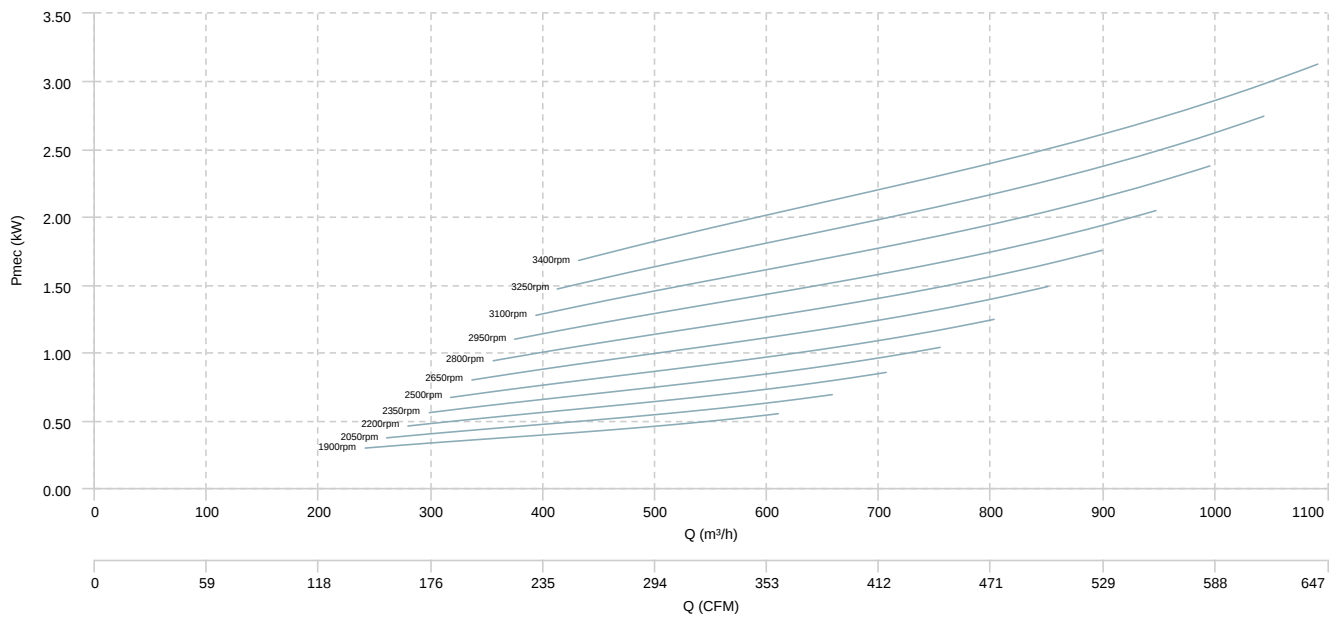


AATZA 500 ATEX

AIR FLOW - PRESSURE

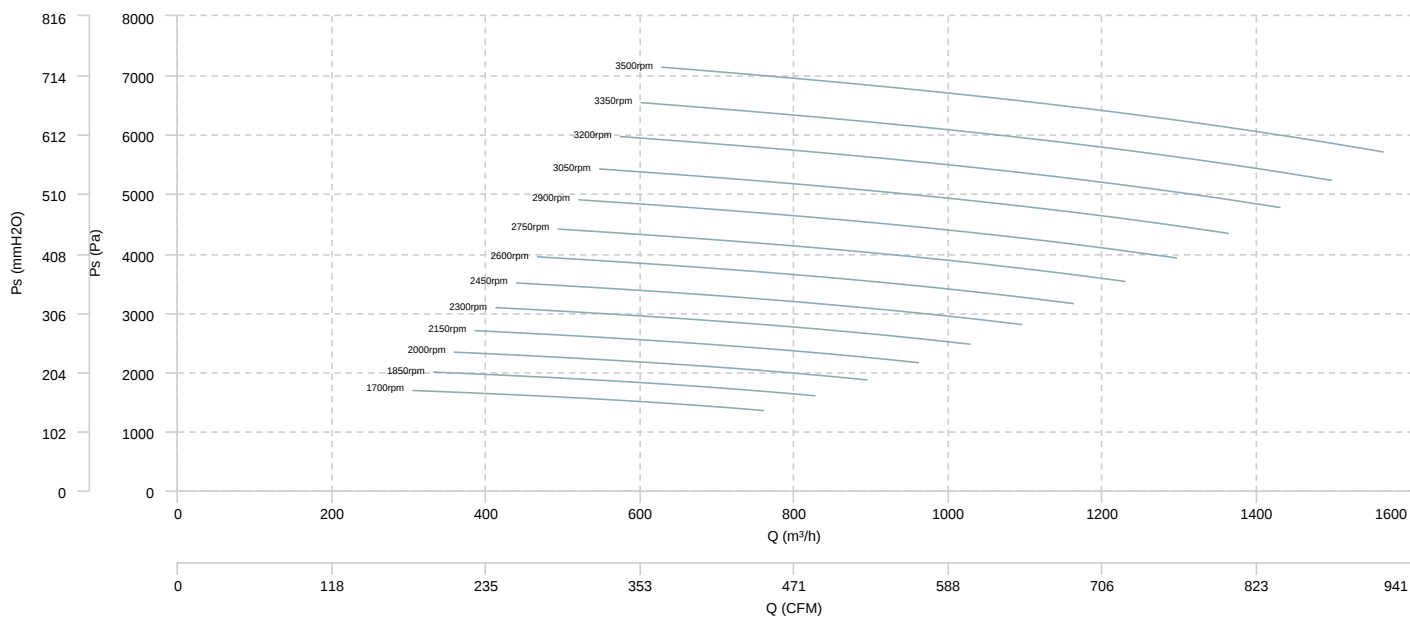


AIR FLOW - MECHANICAL POWER

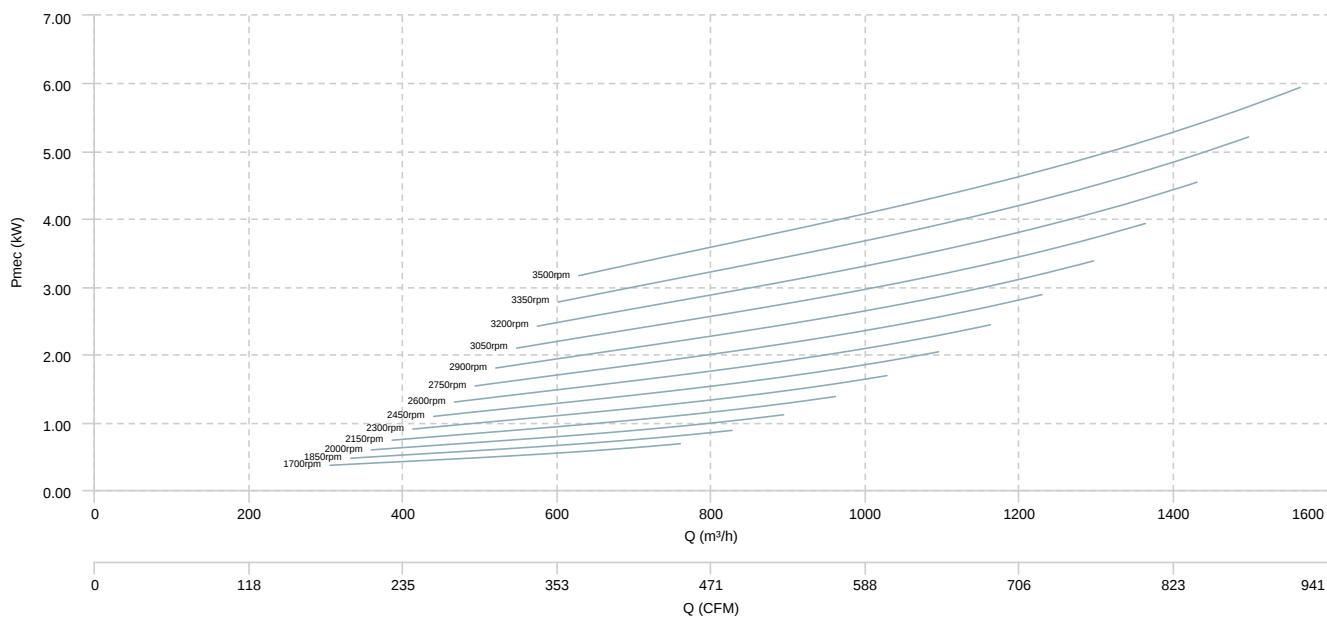


AATZA 560 ATEX

AIR FLOW - PRESSURE

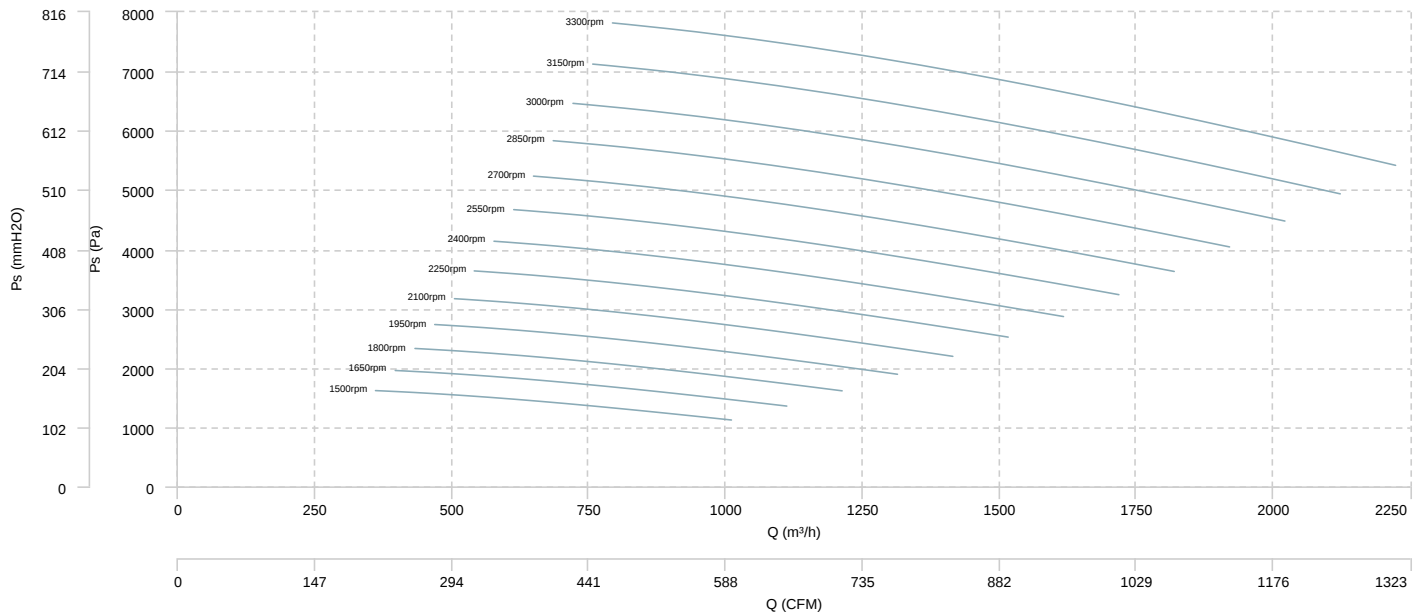


AIR FLOW - MECHANICAL POWER

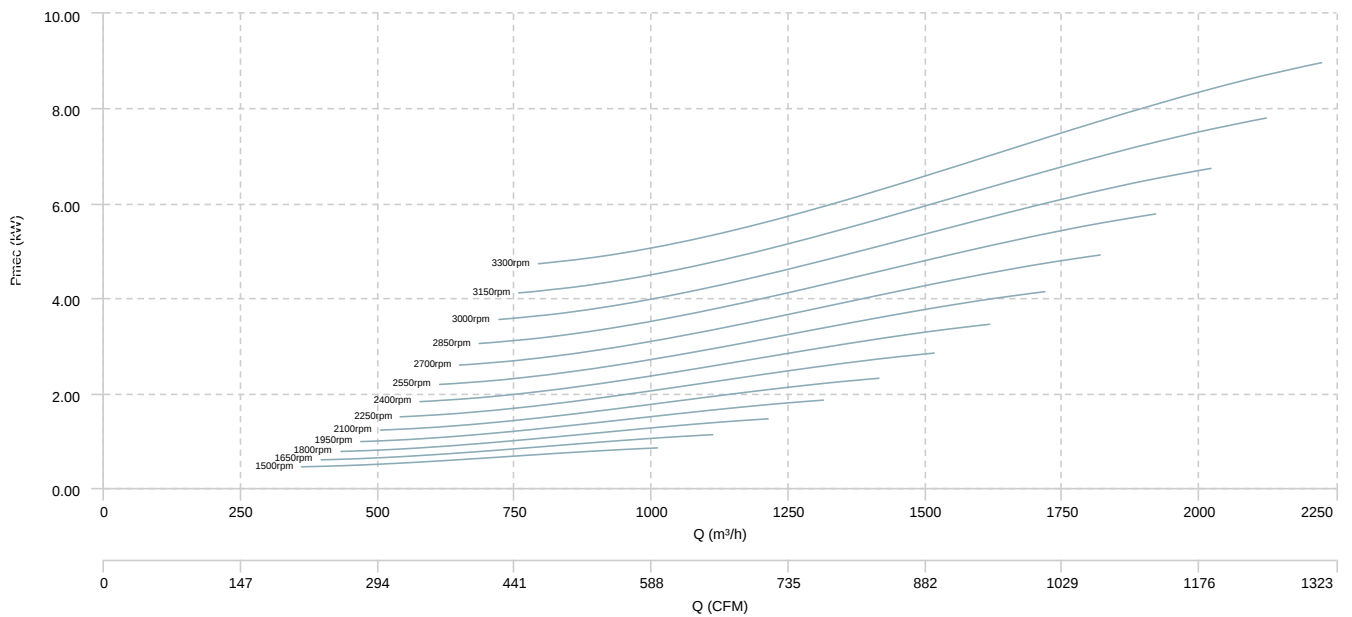


AATZA 630 ATEX

AIR FLOW - PRESSURE

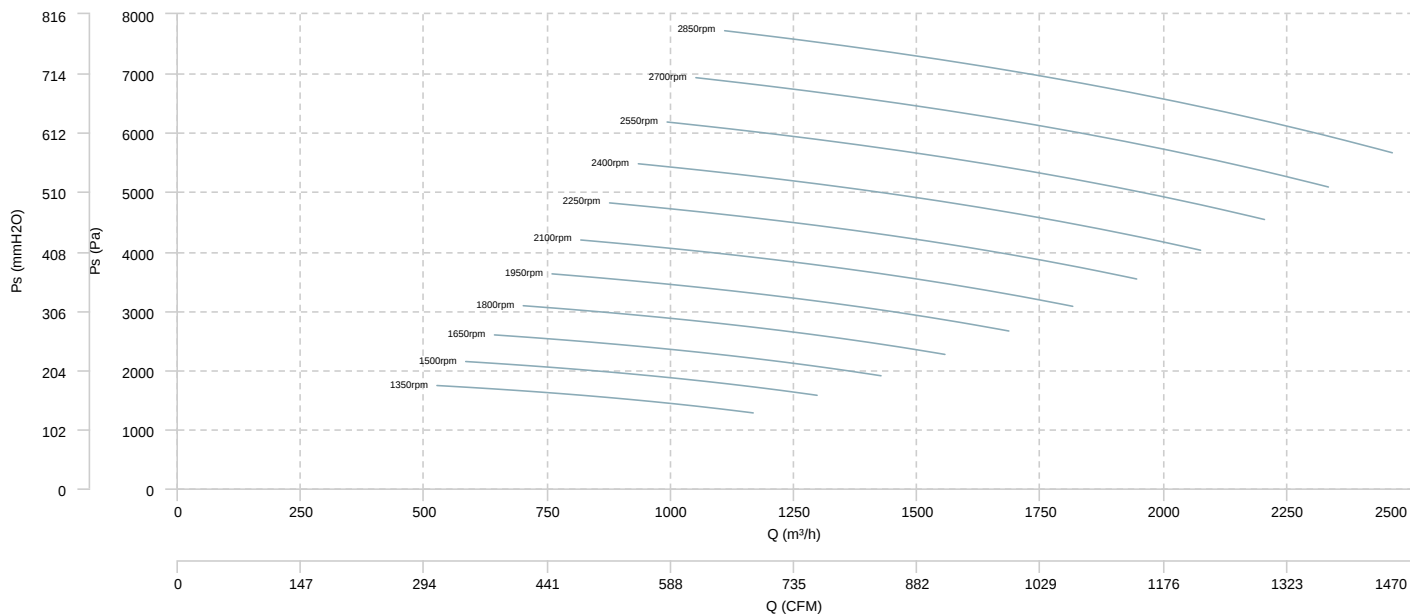


AIR FLOW - MECHANICAL POWER

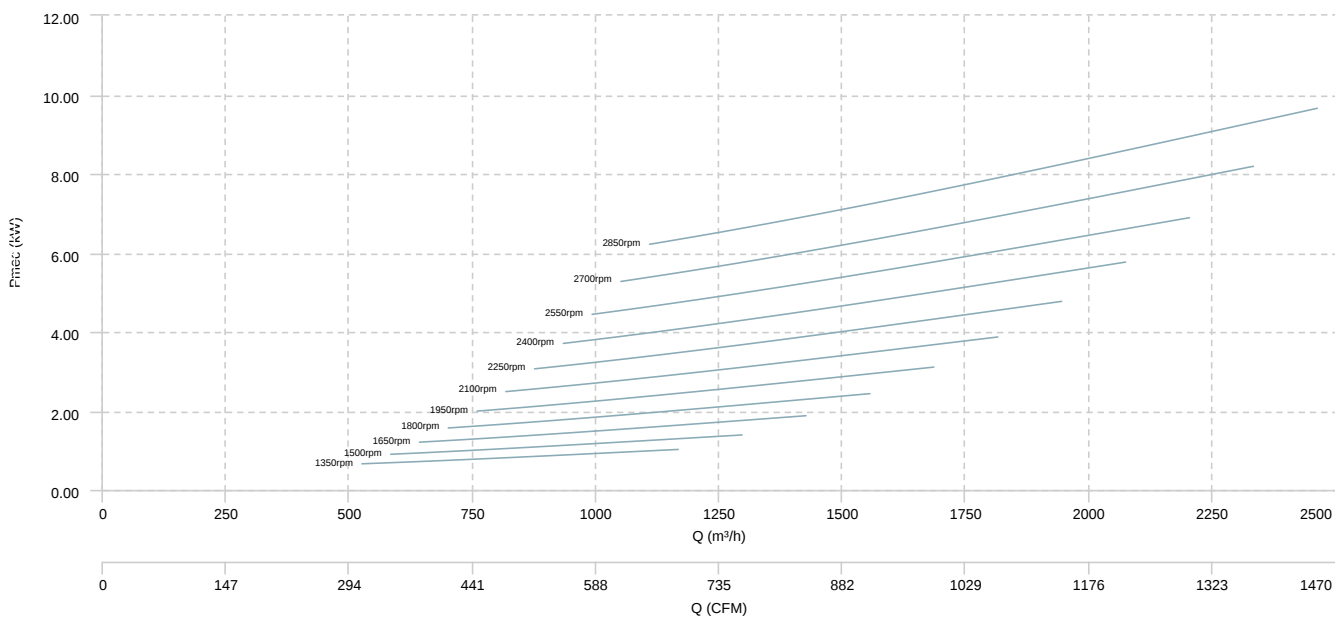


AATZA 710 ATEX

AIR FLOW - PRESSURE

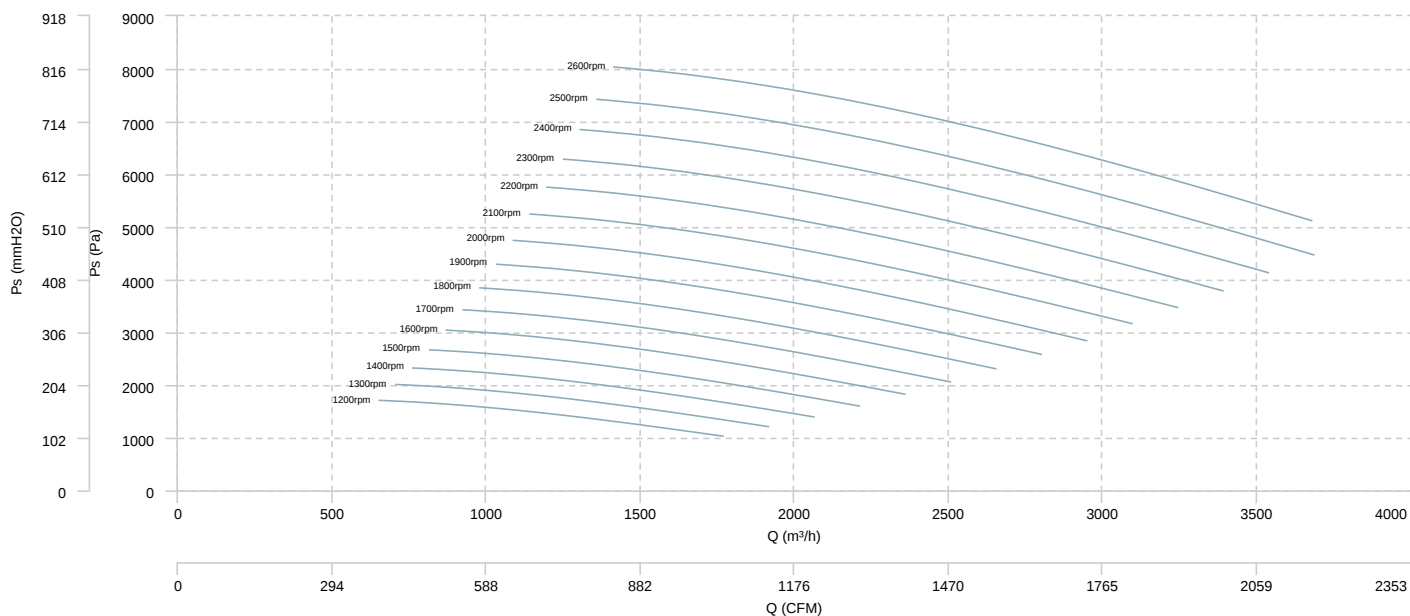


AIR FLOW - MECHANICAL POWER

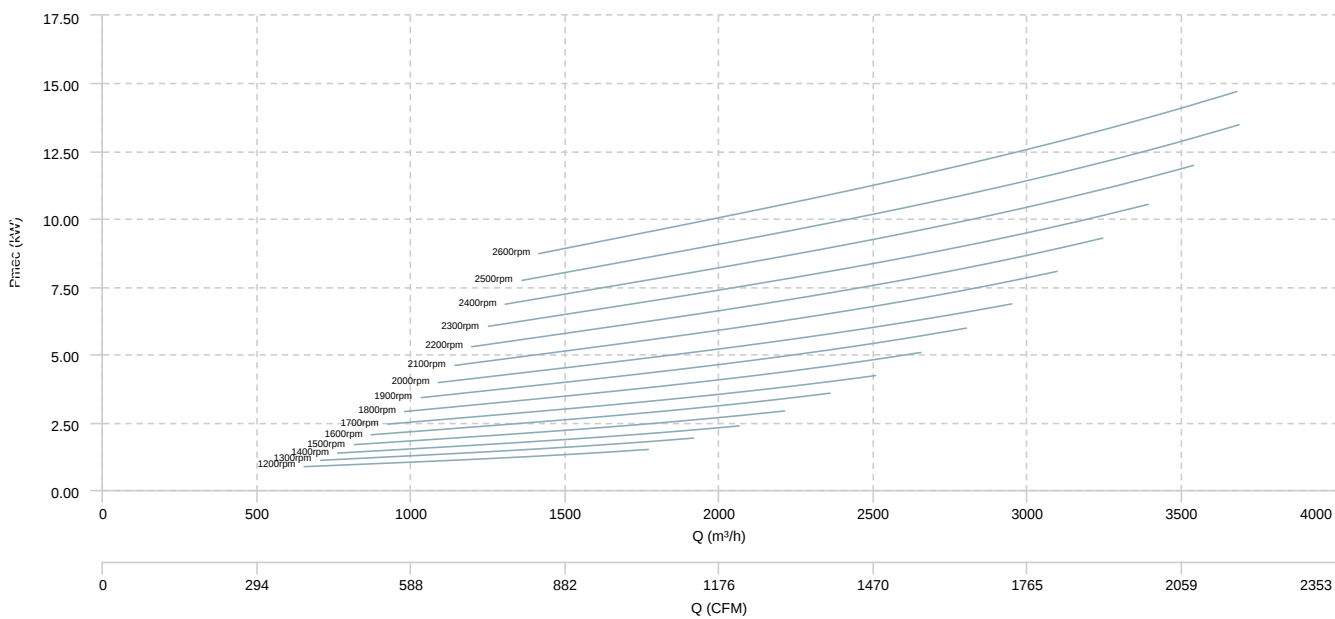


AATZA 800 ATEX

AIR FLOW - PRESSURE

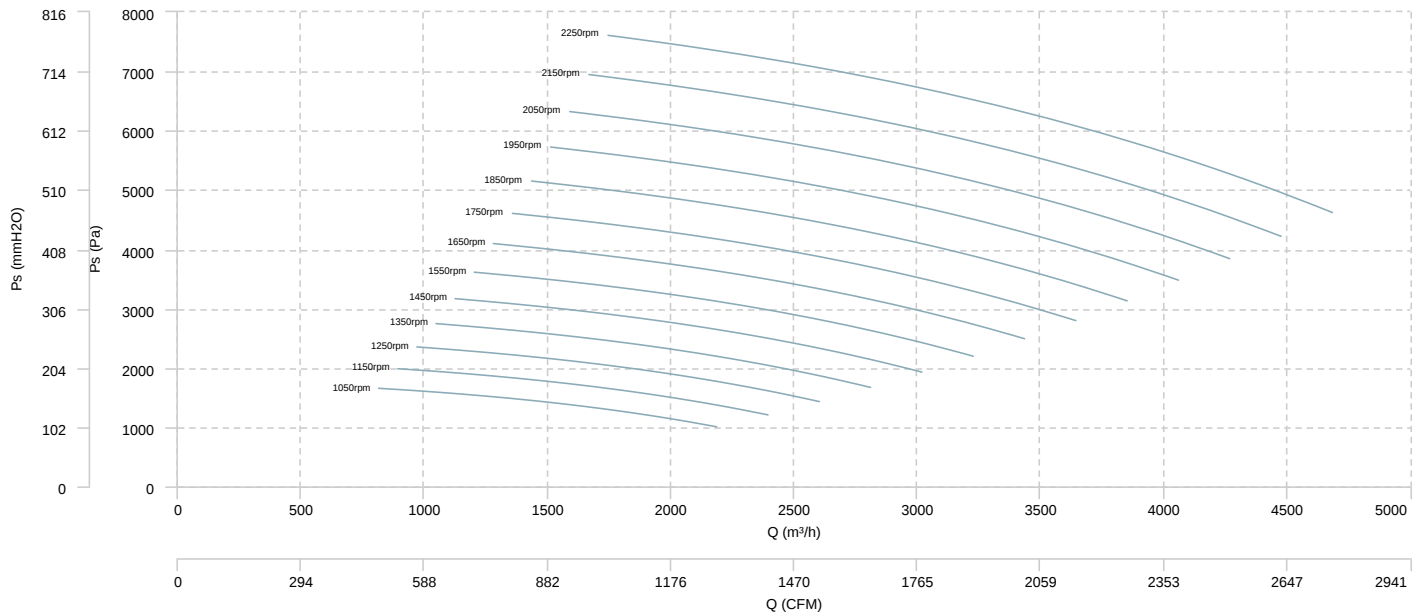


AIR FLOW - MECHANICAL POWER

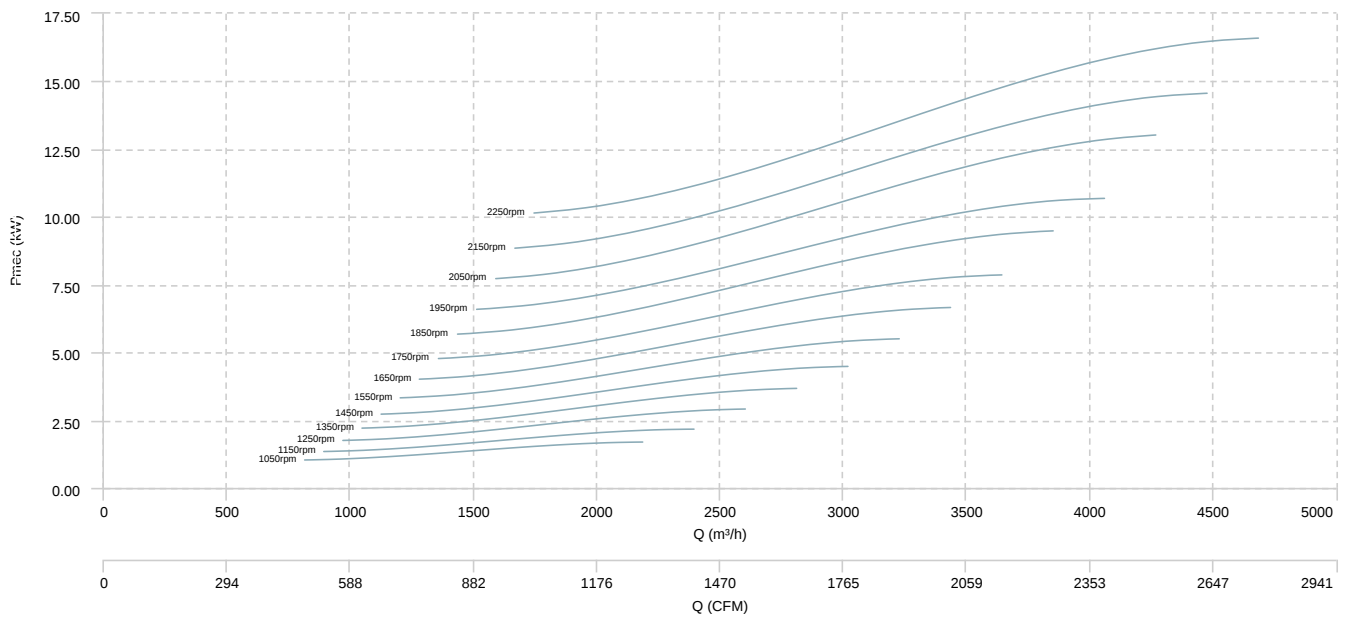


AATZA 900 ATEX

AIR FLOW - PRESSURE

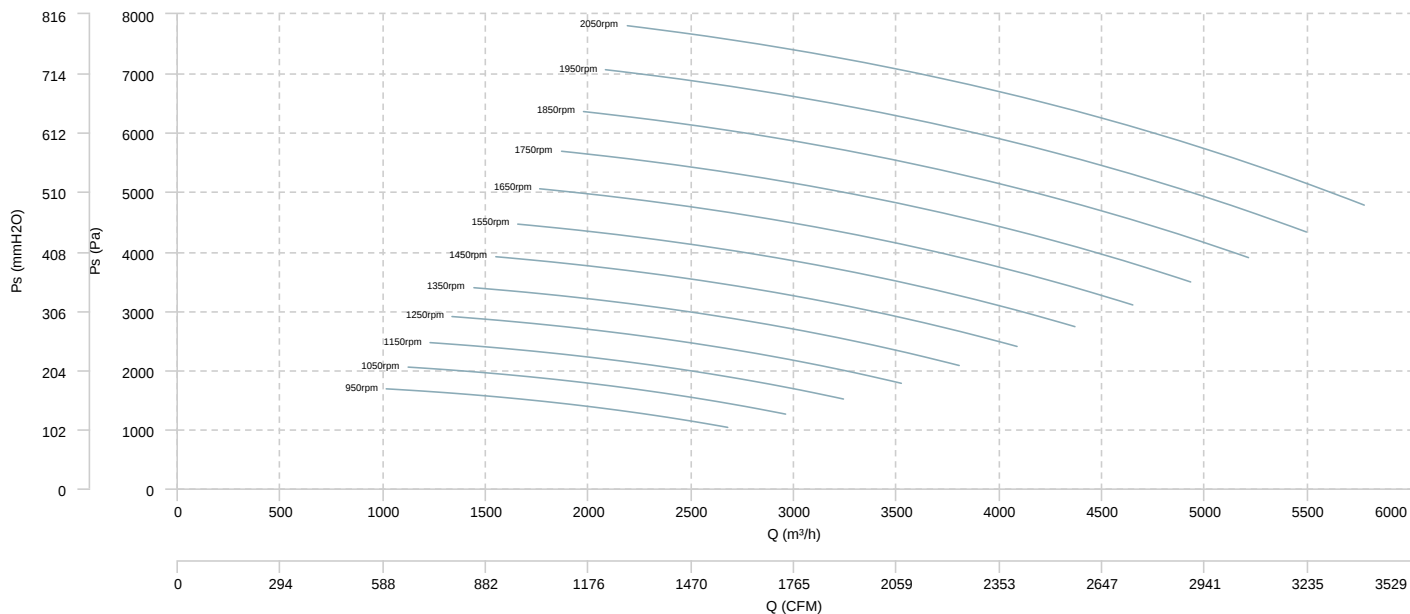


AIR FLOW - MECHANICAL POWER

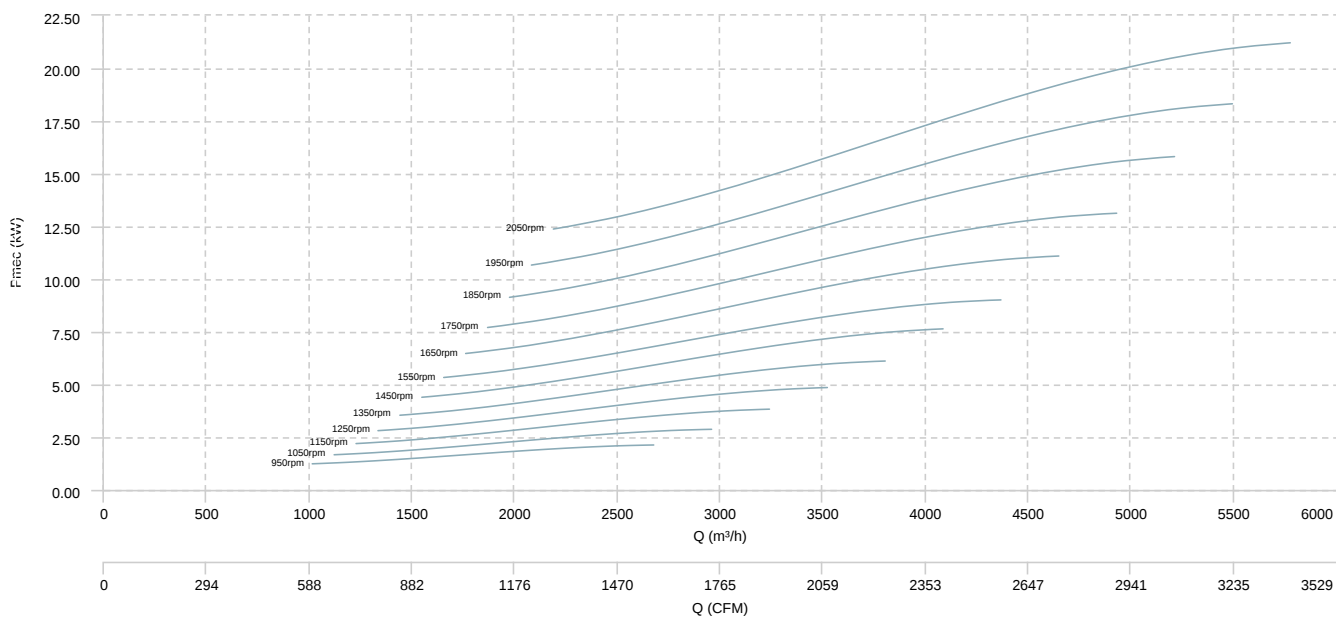


AATZA 1000 ATEX

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
AATZA 400 ATEX (2350rpm)	Inlet	43	55	61	66	66	62	55	52	71
AATZA 450 ATEX (2150rpm)	Inlet	45	57	64	68	69	64	57	54	73
AATZA 500 ATEX (1900rpm)	Inlet	47	59	65	69	70	66	59	56	74
AATZA 560 ATEX (1700rpm)	Inlet	49	61	67	72	72	68	61	58	77
AATZA 630 ATEX (1500rpm)	Inlet	49	61	67	71	72	67	61	58	76
AATZA 710 ATEX (1350rpm)	Inlet	50	62	68	72	73	68	62	59	77
AATZA 800 ATEX (1200rpm)	Inlet	48	60	66	70	71	66	60	57	75
AATZA 900 ATEX (1050rpm)	Inlet	49	61	67	71	72	68	61	58	77
AATZA 1000 ATEX (950rpm)	Inlet	50	62	69	73	74	69	63	60	78

Notes:

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

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