

AAZC



HIGH PRESSURE WITH SIMPLE INLET STRAIGHT AND OPEN BLADE IMPELLER

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.
- Fully welded housing.
- High efficiency simple inlet straight blade impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with polyester primer that resists temperatures up to 300°C.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz for three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- It allows adjusting the orientation locally from models 400 to 630. Models sizes from 710 to 1000 size the orientation is fixed.

- 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.
- Clean and dusty air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air: 130°C, ambient: 60°C.

UNDER REQUEST

- Fans for 60Hz and special voltages.
- 2 speed motor.
- C4 coating painting
- Hot dip galvanized
- Special steel (Cor-Ten A, Hardox...)
- Inox 304 (normal or electropolished finish)
- Inox 316 (normal or electropolished finish)
- Cooling wheel
- Anticaloric paint
- Reinforced housing
- Fully welded housing (waterproof)
- Insulated housing
- Split casing (for big sizes)
- Inspection door to facilitate maintenance and cleaning
- Drain plug.
- Airtight axle
- Frontal foot
- Double suction flange
- Available in non-sparking air passage and standard motor.
- Other brands of motors.

Accessories



AB



AC



AVR



AVS



BA-400



BADS



BIDS



EI



FS



INT



JE 45



RA



RI



SFC

Technical data

Three-phase motor / 2 poles

Code	Model	R.P.M.	Rated I. A		Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
			230V	400V					
510504032	AAZC/R 400 T2 4kW	2880	13,3	7,63	4,00	3.600	75	80	1
510504536	AAZC/R 450 T2 7,5kW	2910	-	14,1	7,50	5.400	77	104	1
510505021	AAZC/R 500 T2 11kW	2940	-	20,8	11,00	6.480	78	174	1
510505024	AAZC/R 500 T2 15kW	2935	-	27,4	15,00	7.920	83	178	1
510505628	AAZC/R 560 T2 22kW	2940	-	39,00	22,00	10.800	84	271	1
510504034	AAZC 400 T2 5,5kW	2910	-	10,6	5,50	4.680	77	92	1
510504521	AAZC 450 T2 11kW	2940	-	20,8	11,00	5.760	76	148	1
510505026	AAZC 500 T2 18,5kW	2940	-	34,4	18,50	9.360	86	191	1
510505630	AAZC 560 T2 30kW	2955	-	56,6	30,00	12.600	137	366	1

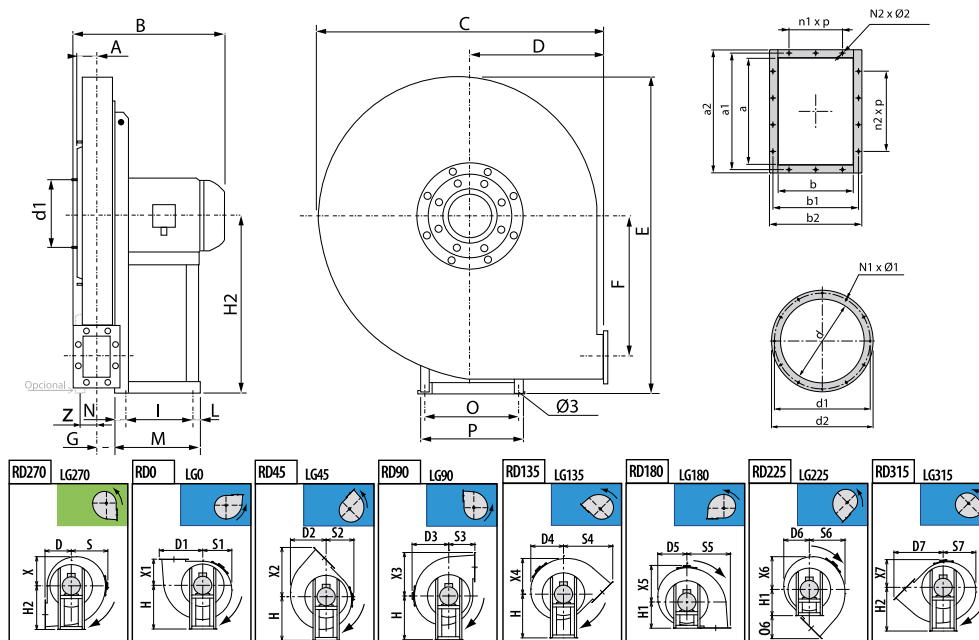
Three-phase motor / 4 poles

Code	Model	R.P.M.	Rated I. A 400V	Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
510506361	AAZC/R 630 T4 5,5kW	1460	10,5	5,50	9.360	77	194	1
510507149	AAZC/R 710 T4 11kW	1455	21,2	11,00	12.600	77	332	1
510508055	AAZC/R 800 T4 22kW	1465	40,1	22,00	19.800	82	512	1
510509058	AAZC/R 900 T4 37kW	1470	69,2	37,00	28.800	87	640	1
510510060	AAZC/R 1000 T4 45kW	1475	80,7	45,00	36.000	87	924	1
510505659	AAZC 560 T4 4kW	1440	8,32	4,00	6.480	70	154	1
510506363	AAZC 630 T4 7,5kW	1455	14,1	7,50	10.800	77	195	1
510507152	AAZC 710 T4 15kW	1465	29,8	15,00	16.200	78	345	1
510508057	AAZC 800 T4 30kW	1475	56,3	30,00	19.800	80	614	1
510509060	AAZC 900 T4 45kW	1475	80,7	45,00	32.400	89	665	1
510510062	AAZC 1000 T4 55kW	1475	97,1	55,00	36.000	86	1011	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	D1	D2	D3	D4	D5
AAZC/R 400 T2 4kW	105	557	685	285	483	387	400	353	315
AAZC/R 450 T2 7,5kW	115	622	765	320	541	435	445	398	354
AAZC/R 500 T2 11kW	131	751	862	360	597	490	502	450	400
AAZC/R 500 T2 15kW	131	751	862	360	597	490	502	450	400
AAZC 400 T2 5,5kW	105	597	685	285	483	387	400	353	315
AAZC 450 T2 11kW	115	727	765	320	541	435	445	398	354
AAZC 500 T2 18,5kW	131	751	862	360	597	490	502	450	400

Model	D6	D7	E	F	G	H	H1	H2	I
AAZC/R 400 T2 4kW	306	543	815	319	97	500	285	500	197
AAZC/R 450 T2 7,5kW	342	609	914	357	107	560	320	560	237
AAZC/R 500 T2 11kW	380	676	1000	396	119	600	360	600	337
AAZC/R 500 T2 15kW	380	676	1000	396	119	600	360	600	337
AAZC 400 T2 5,5kW	306	543	815	319	97	500	285	500	237
AAZC 450 T2 11kW	342	609	914	357	107	560	320	560	337
AAZC 500 T2 18,5kW	380	676	1000	396	119	600	360	600	337

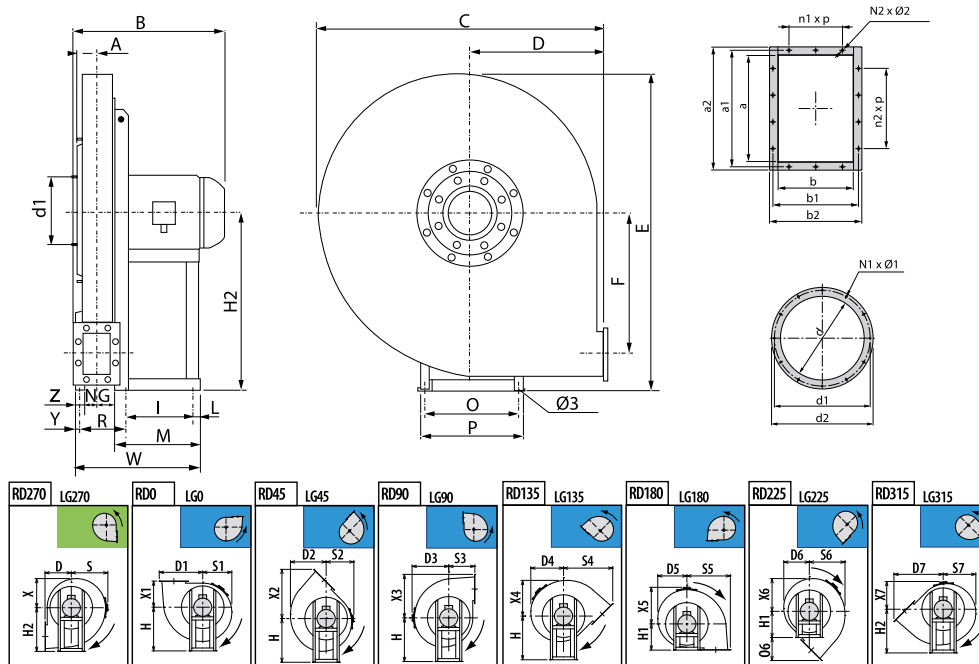
Model	L	M	N	N1xØ1	N2xØ2	O	O6	P	S
AAZC/R 400 T2 4kW	54	285	34	8xM8x25	10x12	289	258	324	400
AAZC/R 450 T2 7,5kW	64	345	44	8xM8x25	10x12	337	289	372	445
AAZC/R 500 T2 11kW	54	446	55	8xM8x25	10x12	395	316	440	502
AAZC/R 500 T2 15kW	54	446	55	8xM8x25	10x12	395	316	440	502

Model	L	M	N	N1xØ1	N2xØ2	O	O6	P	S
AAZC 400 T2 5,5kW	64	345	44	8xM8x25	10x12	337	258	372	400
AAZC 450 T2 11kW	54	446	55	8xM8x25	10x12	395	289	440	445
AAZC 500 T2 18,5kW	54	446	55	8xM8x25	10x12	395	316	440	502

Model	S1	S2	S3	S4	S5	S6	S7	X	X1
AAZC/R 400 T2 4kW	315	306	285	543	483	387	353	315	285
AAZC/R 450 T2 7,5kW	354	342	320	609	541	435	398	354	320
AAZC/R 500 T2 11kW	400	380	360	676	597	490	450	400	360
AAZC/R 500 T2 15kW	400	380	360	676	597	490	450	400	360
AAZC 400 T2 5,5kW	315	306	285	543	483	387	353	315	285
AAZC 450 T2 11kW	354	342	320	609	541	435	398	354	320
AAZC 500 T2 18,5kW	400	380	360	676	597	490	450	400	360

Model	X2	X3	X4	X5	X6	X7	Z	a	a1
AAZC/R 400 T2 4kW	543	483	387	400	353	306	123	185	292
AAZC/R 450 T2 7,5kW	609	541	435	445	398	342	133	205	332
AAZC/R 500 T2 11kW	676	597	490	502	450	380	145	229	366
AAZC/R 500 T2 15kW	676	597	490	502	450	380	145	229	366
AAZC 400 T2 5,5kW	543	483	387	400	353	306	123	185	292
AAZC 450 T2 11kW	609	541	435	445	398	342	133	205	332
AAZC 500 T2 18,5kW	676	597	490	502	450	380	145	229	366

Model	a2	b1	b2	d	d1	d2	n1xp	n2xp	Ø3
AAZC/R 400 T2 4kW	328	219	255	255	292	325	1x112	2x112	12
AAZC/R 450 T2 7,5kW	368	249	285	285	332	370	1x125	2x125	12
AAZC/R 500 T2 11kW	402	273	309	320	366	405	1x125	2x125	14
AAZC/R 500 T2 15kW	402	273	309	320	366	405	1x125	2x125	14
AAZC 400 T2 5,5kW	328	219	255	255	292	325	1x112	2x112	12
AAZC 450 T2 11kW	368	249	285	285	332	370	1x125	2x125	14
AAZC 500 T2 18,5kW	402	273	309	320	366	405	1x125	2x125	14



Model	A	B	C	D	D1	D2	D3	D4	D5
AAZC/R 560 T2 22kW	142	873	970	400	657	555	570	542	485
AAZC/R 630 T4 5,5kW	158	718	1080	450	732	619	630	603	540
AAZC/R 710 T4 11kW	185	860	1190	500	825	719	690	662	578
AAZC/R 800 T4 22kW	199	1050	1342	560	919	811	782	749	672
AAZC/R 900 T4 37kW	221	1193	1500	630	1038	905	870	835	721
AAZC/R 1000 T4 45kW	246	1262	1686	710	1160	1015	976	936	813
AAZC 560 T2 30kW	142	981	970	400	657	555	570	542	485
AAZC 560 T4 4kW	142	647	970	400	657	555	570	542	485
AAZC 630 T4 7,5kW	158	718	1080	450	732	619	630	603	540
AAZC 710 T4 15kW	185	860	1190	500	825	719	690	662	578
AAZC 800 T4 30kW	199	1107	1342	560	919	811	782	749	672
AAZC 900 T4 45kW	221	1193	1500	630	1038	905	870	835	721
AAZC 1000 T4 55kW	246	1364	1686	710	1160	1015	976	936	813

Model	D6	D7	E	F	G	H	H1	H2	I
AAZC/R 560 T2 22kW	425	747	1155	436	133	670	400	670	357
AAZC/R 630 T4 5,5kW	476	836	1290	490	148	750	450	750	237
AAZC/R 710 T4 11kW	497	937	1428	558	161	670	500	850	316
AAZC/R 800 T4 22kW	562	1045	1622	625	180	755	560	950	361
AAZC/R 900 T4 37kW	633	1179	1781	703	202	850	630	1060	441
AAZC/R 1000 T4 45kW	718	1322	1993	791	226	950	710	1180	440
AAZC 560 T2 30kW	425	747	1155	436	133	670	400	670	381
AAZC 560 T4 4kW	425	747	1155	436	133	670	400	670	197

Model	D6	D7	E	F	G	H	H1	H2	I
AAZC 630 T4 7,5kW	476	836	1290	490	148	750	450	750	237
AAZC 710 T4 15kW	497	937	1428	558	161	670	500	850	316
AAZC 800 T4 30kW	562	1045	1622	625	180	755	560	950	401
AAZC 900 T4 45kW	633	1179	1781	703	202	850	630	1060	441
AAZC 1000 T4 55kW	718	1322	1993	791	226	950	710	1180	500

Model	L	M	N	N1xØ1	N2xØ2	O	O6	P	R
AAZC/R 560 T2 22kW	38	465	128	8xM8x25	10x12	434	347	488	360
AAZC/R 630 T4 5,5kW	64	341	144	12xM8x25	14x12	337	386	372	362
AAZC/R 710 T4 11kW	60	436	161	12xM8x25	14x12	772	437	826	415
AAZC/R 800 T4 22kW	39	460	180	12xM8x25	14x12	862	485	926	454
AAZC/R 900 T4 37kW	39	540	202	12xM8x25	14x14	962	549	1026	497
AAZC/R 1000 T4 45kW	45	540	226	12xM10x30	14x14	1056	612	1128	541
AAZC 560 T2 30kW	39	500	128	8xM8x25	10x12	506	347	568	370
AAZC 560 T4 4kW	54	281	128	8xM8x25	10x12	289	347	324	320
AAZC 630 T4 7,5kW	64	341	144	12xM8x25	14x12	337	386	372	362
AAZC 710 T4 15kW	60	436	161	12xM8x25	14x12	772	437	826	415
AAZC 800 T4 30kW	39	500	180	12xM8x25	14x12	862	485	926	454
AAZC 900 T4 45kW	39	540	202	12xM8x25	14x14	962	549	1026	497
AAZC 1000 T4 55kW	45	600	226	12xM10x30	14x14	1056	612	1128	541

Model	S	S1	S2	S3	S4	S5	S6	S7	W
AAZC/R 560 T2 22kW	570	485	425	400	747	657	555	542	778
AAZC/R 630 T4 5,5kW	630	540	476	450	836	732	619	603	686
AAZC/R 710 T4 11kW	690	578	497	500	937	825	719	662	818
AAZC/R 800 T4 22kW	782	672	562	560	1045	919	811	749	901
AAZC/R 900 T4 37kW	870	721	633	630	1179	1038	905	835	1024
AAZC/R 1000 T4 45kW	976	813	718	710	1322	1160	1015	936	1093
AAZC 560 T2 30kW	570	485	425	400	747	657	555	542	813
AAZC 560 T4 4kW	570	485	425	400	747	657	555	542	594
AAZC 630 T4 7,5kW	630	540	476	450	836	732	619	603	686
AAZC 710 T4 15kW	690	578	497	500	937	825	719	662	818
AAZC 800 T4 30kW	782	672	562	560	1045	919	811	749	941

Model	S	S1	S2	S3	S4	S5	S6	S7	W
AAZC 900 T4 45kW	870	721	633	630	1179	1038	905	835	1024
AAZC 1000 T4 55kW	976	813	718	710	1322	1160	1015	936	1153

Model	X	X1	X2	X3	X4	X5	X6	X7	Y
AAZC/R 560 T2 22kW	485	400	747	657	555	570	542	425	23
AAZC/R 630 T4 5,5kW	540	450	836	732	619	630	603	476	23
AAZC/R 710 T4 11kW	578	500	937	825	719	690	662	497	27
AAZC/R 800 T4 22kW	672	560	1045	919	811	782	749	562	47
AAZC/R 900 T4 37kW	721	630	1179	1038	905	870	835	633	47
AAZC/R 1000 T4 45kW	813	710	1322	1160	1015	976	936	718	67
AAZC 560 T2 30kW	485	400	747	657	555	570	542	425	23
AAZC 560 T4 4kW	485	400	747	657	555	570	542	425	23
AAZC 630 T4 7,5kW	540	450	836	732	619	630	603	476	23
AAZC 710 T4 15kW	578	500	937	825	719	690	662	497	27
AAZC 800 T4 30kW	672	560	1045	919	811	782	749	562	47
AAZC 900 T4 45kW	721	630	1179	1038	905	870	835	633	47
AAZC 1000 T4 55kW	813	710	1322	1160	1015	976	936	718	67

Model	Z	a	a1	a2	b1	b2	d	d1	d2
AAZC/R 560 T2 22kW	53	256	405	441	300	336	360	405	445
AAZC/R 630 T4 5,5kW	53	288	448	484	332	368	405	448	490
AAZC/R 710 T4 11kW	60	322	497	533	366	402	455	497	540
AAZC/R 800 T4 22kW	80	361	551	587	405	441	505	551	590
AAZC/R 900 T4 37kW	80	404	629	669	464	504	565	629	670
AAZC/R 1000 T4 45kW	100	453	698	738	513	553	635	698	735
AAZC 560 T2 30kW	53	256	405	441	300	336	360	405	445
AAZC 560 T4 4kW	53	256	405	441	300	336	360	405	445
AAZC 630 T4 7,5kW	53	288	448	484	332	368	405	448	490
AAZC 710 T4 15kW	60	322	497	533	366	402	455	497	540
AAZC 800 T4 30kW	80	361	551	587	405	441	505	551	590
AAZC 900 T4 45kW	80	404	629	669	464	504	565	629	670
AAZC 1000 T4 55kW	100	453	698	738	513	553	635	698	735

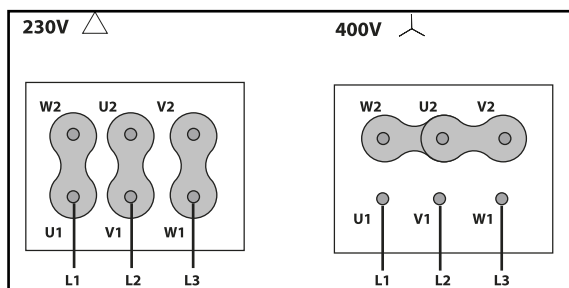
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AAZC/R 560 T2 22kW	1x125	2x125	18
AAZC/R 630 T4 5,5kW	2x125	3x125	12
AAZC/R 710 T4 11kW	2x125	3x125	20
AAZC/R 800 T4 22kW	2x125	3x125	20
AAZC/R 900 T4 37kW	2x160	3x160	20
AAZC/R 1000 T4 45kW	2x160	3x160	20
AAZC 560 T2 30kW	1x125	2x125	20

Model	n1xp	n2xp	Ø3
AAZC 560 T4 4kW	1x125	2x125	12
AAZC 630 T4 7,5kW	2x125	3x125	12
AAZC 710 T4 15kW	2x125	3x125	20
AAZC 800 T4 30kW	2x125	3x125	20
AAZC 900 T4 45kW	2x160	3x160	20
AAZC 1000 T4 55kW	2x160	3x160	20

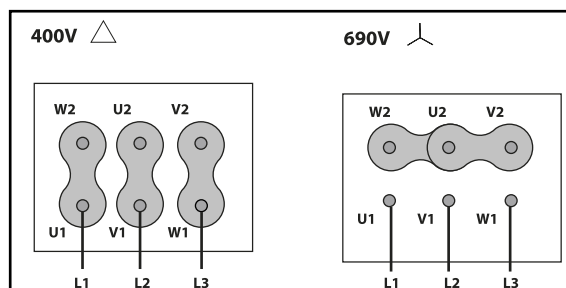
Wiring diagram

Wiring diagram Nº 1

230/400V



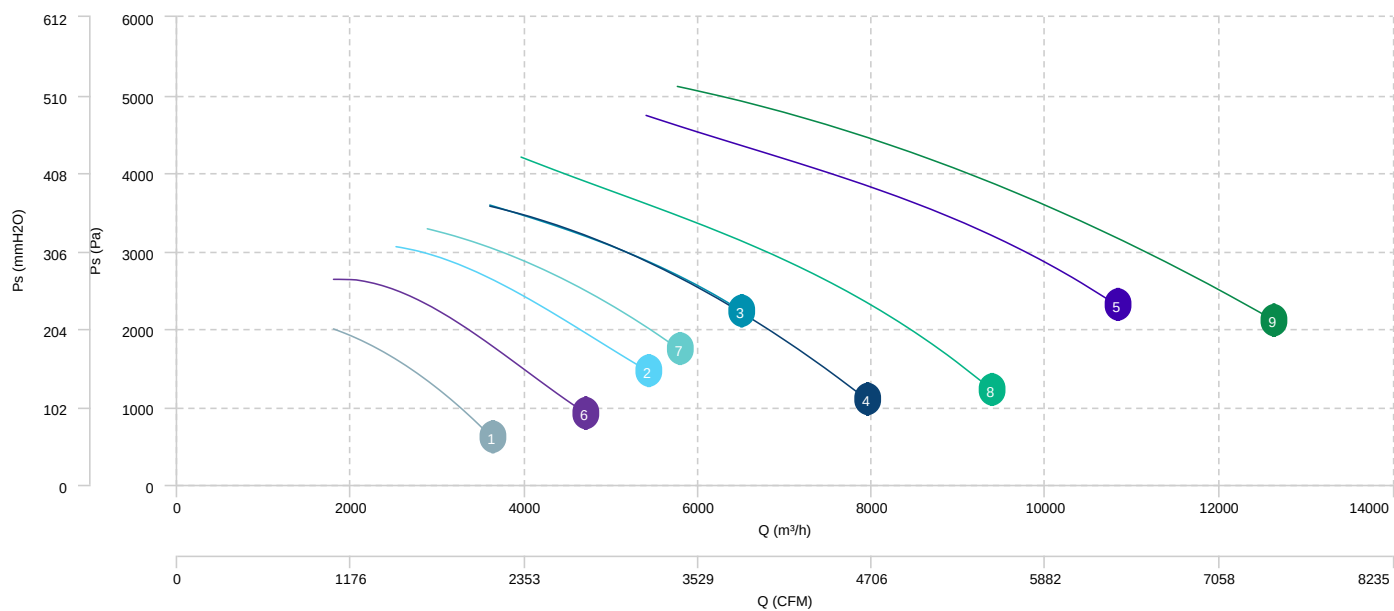
400/690V



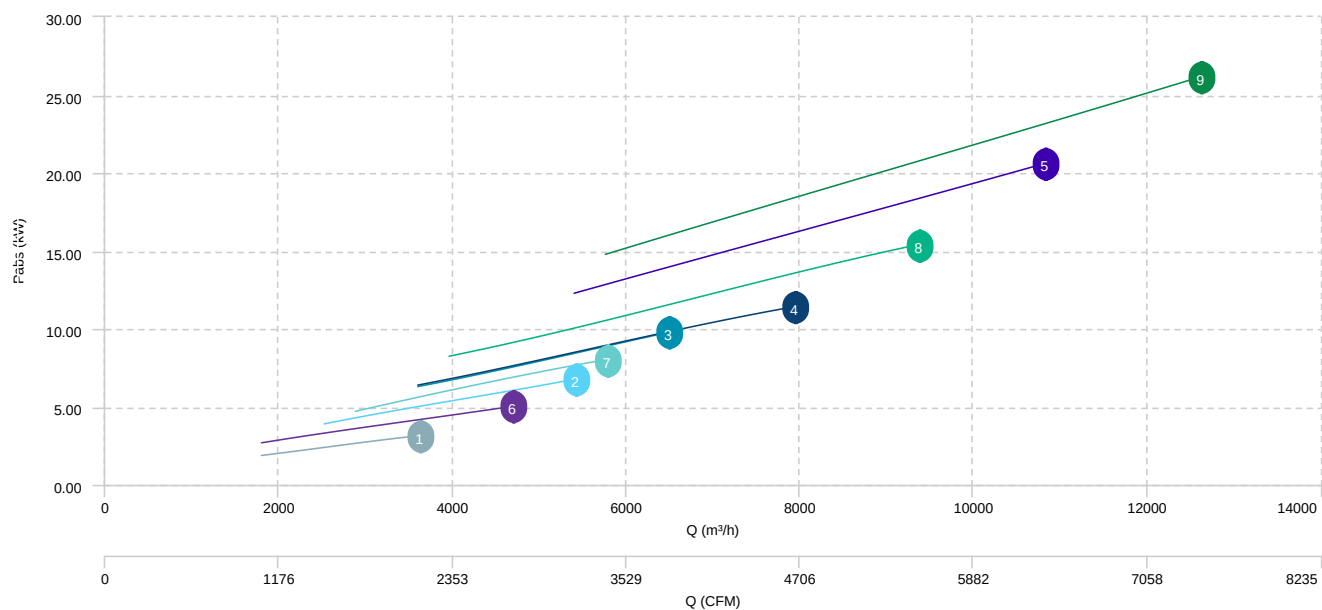
CHARACTERISTIC CURVE

1	AAZC/R 400 T2 4kW	2	AAZC/R 450 T2 7,5kW	3	AAZC/R 500 T2 11kW	4	AAZC/R 500 T2 15kW
5	AAZC/R 560 T2 22kW	6	AAZC 400 T2 5,5kW	7	AAZC 450 T2 11kW	8	AAZC 500 T2 18,5kW
9	AAZC 560 T2 30kW						

AIR FLOW - PRESSURE

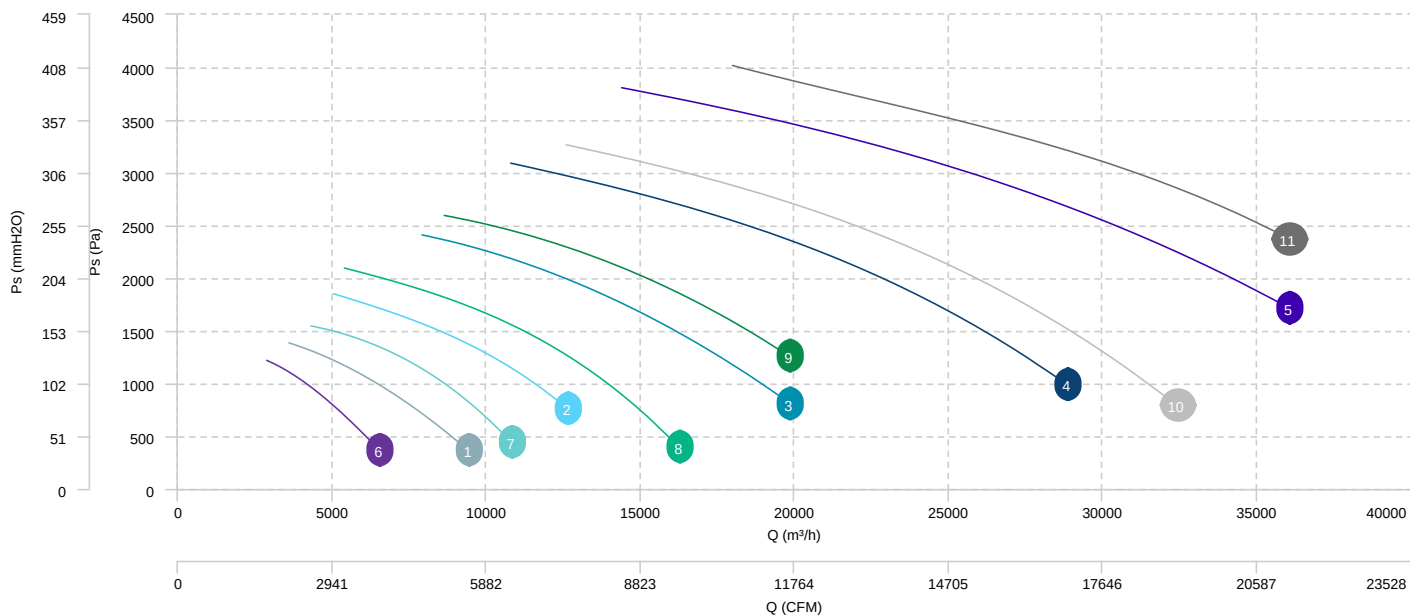


AIR FLOW - ABSORBED POWER

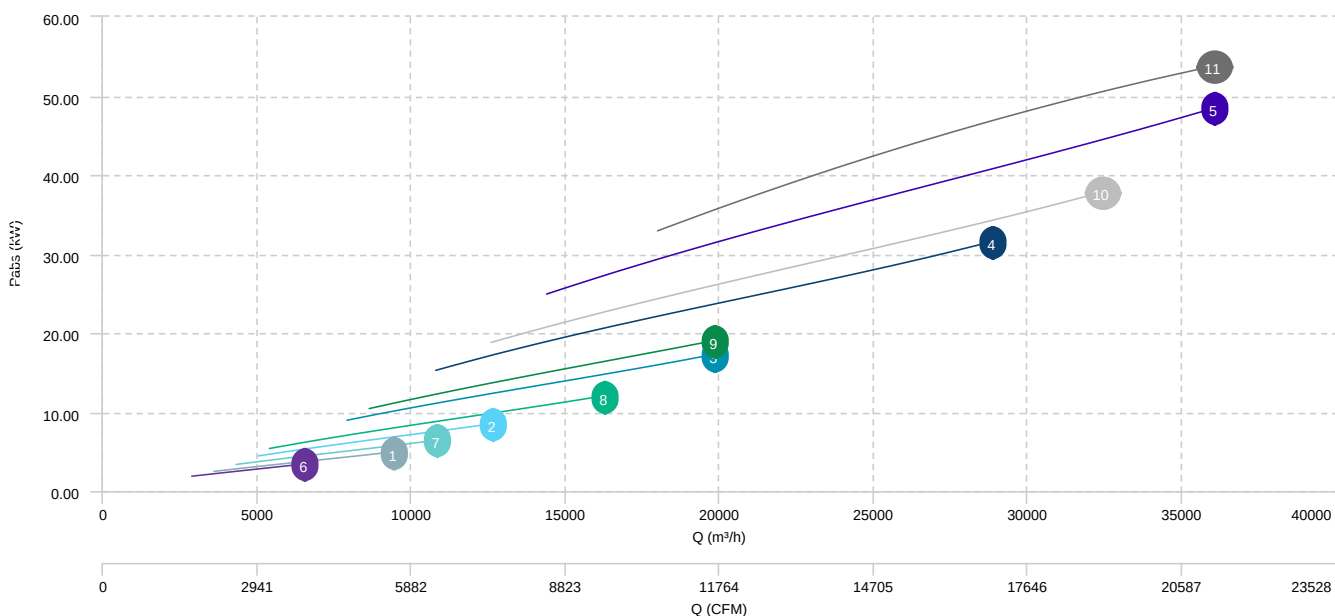


1	AAZC/R 630 T4 5,5kW	2	AAZC/R 710 T4 11kW	3	AAZC/R 800 T4 22kW	4	AAZC/R 900 T4 37kW
5	AAZC/R 1000 T4 45kW	6	AAZC 560 T4 4kW	7	AAZC 630 T4 7,5kW	8	AAZC 710 T4 15kW
9	AAZC 800 T4 30kW	10	AAZC 900 T4 45kW	11	AAZC 1000 T4 55kW		

AIR FLOW - PRESSURE



AIR FLOW - ABSORBED POWER



Sound data

Sound / 2 poles

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
AAZC/R 400 T2 4kW	Inlet	73	85	92	96	97	92	85	76	101
AAZC/R 450 T2 7,5kW	Inlet	75	87	93	97	98	94	87	77	103
AAZC/R 500 T2 11kW	Inlet	76	88	95	99	100	95	89	79	104
AAZC/R 500 T2 15kW	Inlet	81	93	100	104	105	100	94	84	109
AAZC/R 560 T2 22kW	Inlet	83	95	101	105	106	102	95	85	110
AAZC 400 T2 5,5kW	Inlet	76	88	94	98	99	95	88	78	103
AAZC 450 T2 11kW	Inlet	75	87	93	97	98	94	87	77	102
AAZC 500 T2 18,5kW	Inlet	84	96	103	107	108	103	97	87	112
AAZC 560 T2 30kW	Inlet	135	147	154	158	159	154	147	138	163

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
AAZC/R 630 T4 5,5kW	Inlet	75	87	93	97	98	94	87	77	103
AAZC/R 710 T4 11kW	Inlet	75	87	94	98	99	94	88	78	103
AAZC/R 800 T4 22kW	Inlet	81	93	99	103	104	100	93	83	108
AAZC/R 900 T4 37kW	Inlet	85	97	104	108	109	104	98	88	113
AAZC/R 1000 T4 45kW	Inlet	86	98	104	108	109	104	98	88	113
AAZC 560 T4 4kW	Inlet	68	80	87	91	92	87	81	71	96
AAZC 630 T4 7,5kW	Inlet	75	87	93	98	98	94	87	78	103
AAZC 710 T4 15kW	Inlet	76	88	94	98	99	95	88	78	104
AAZC 800 T4 30kW	Inlet	78	90	97	101	102	97	91	81	106
AAZC 900 T4 45kW	Inlet	88	100	106	110	111	106	100	90	115
AAZC 1000 T4 55kW	Inlet	85	97	103	107	108	104	97	87	112