AAVA ATEX

Accessories


AB


AC


AVR


AVS


BA-400


EI


FS


INT ATEX


JE 45


RI


SFC

ATEX HIGH PRESSURE WITH BACKWARD IMPELLER

MANUFACTURING FEATURES:

• Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200ºC, with an average film thickness of 70 microns. Average heat resistence of coating is 180ºC with peaks of 200ºC.
• 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 300ºC.
• 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.
• 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 air transport.
• Exhaust after filters, separators and cyclones.
• Pneumatic transport.
• Working temperature: ambient from -20ºC to 40ºC, transported air according to the ATEX clasification.

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

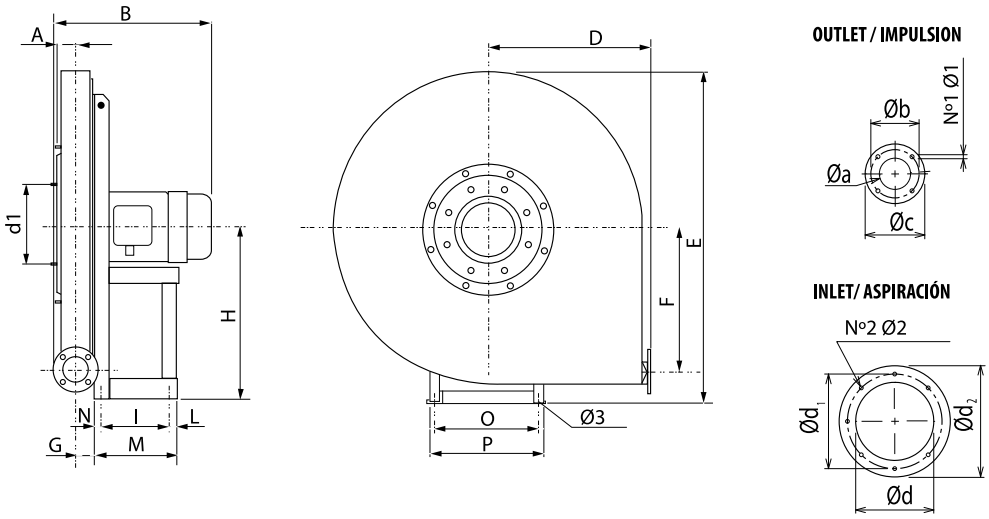
Technical data

Three-phase motor / 2 poles

Code	Model	R.P.M.	Rated I. A 400V	Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
502403515XN	AAVA 350/P T2 0,37kW ATEX	2850	1,00	0,37	190	59	33	1
502404016XN	AAVA 400/P T2 0,55kW ATEX	2840	1,45	0,55	260	62	44	1
502404517XN	AAVA 450/P T2 0,75kW ATEX	2870	2,00	0,75	330	64	46	1
502405018XN	AAVA 500/P T2 1,1kW ATEX	2830	2,6	1,10	330	66	51	1
502405619XN	AAVA 560/P T2 1,5kW ATEX	2850	3,95	1,50	370	68	89	1
502406319XN	AAVA 631/P T2 1,5kW ATEX	2850	3,95	1,50	330	69	116	1
502406327XN	AAVA 632/P T2 2,2kW ATEX	2840	5,4	2,20	400	70	119	1
502407129XN	AAVA 711/P T2 3kW ATEX	2900	7,3	3,00	480	72	149	1
502407132XN	AAVA 712/P T2 4kW ATEX	2910	9,2	4,00	550	73	168	1
502408032XN	AAVA 801/P T2 4kW ATEX	2910	9,2	4,00	480	75	195	1
502408034XN	AAVA 802/P T2 5,5kW ATEX	2910	11,46	5,50	550	77	197	1
502408036XN	AAVA 803/P T2 7,5kW ATEX	2910	14,1	7,50	730	79	197	1
502409021XN	AAVA 901/P T2 11kW ATEX	2940	21,4	11,00	870	81	330	1
502409024XN	AAVA 902/P T2 15kW ATEX	2935	27,4	15,00	1.230	83	390	1
502410026XN	AAVA 1001/P T2 18,5kW ATEX	2940	34,4	18,50	1.450	85	442	1
502410028XN	AAVA 1002/P T2 22kW ATEX	2940	39,8	22,00	1.640	87	501	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	D	E	F	G	H	I	L
AAVA 350/P T2 0,37kW ATEX	34	310	270	550	220	30	280	121	23
AAVA 400/P T2 0,55kW ATEX	34	310	350	705	300	31	355	121	23
AAVA 450/P T2 0,75kW ATEX	34	335	350	705	300	31	355	121	45
AAVA 500/P T2 1,1kW ATEX	34	335	350	705	300	31	355	121	45
AAVA 560/P T2 1,5kW ATEX	34	380	405	830	355	32	425	133	58
AAVA 631/P T2 1,5kW ATEX	34	380	405	830	355	32	425	133	58
AAVA 632/P T2 2,2kW ATEX	34	380	405	830	355	32	425	133	58
AAVA 711/P T2 3kW ATEX	40	440	455	930	400	38	475	197	49
AAVA 712/P T2 4kW ATEX	40	460	455	930	400	38	475	197	49
AAVA 801/P T2 4kW ATEX	40	460	505	1035	450	38	530	197	49
AAVA 802/P T2 5,5kW ATEX	40	460	505	1035	450	38	530	197	49
AAVA 803/P T2 7,5kW ATEX	40	460	505	1035	450	38	530	197	49
AAVA 901/P T2 11kW ATEX	49	610	570	1170	500	48	600	337	49
AAVA 902/P T2 15kW ATEX	49	610	570	1170	500	48	600	337	49
AAVA 1001/P T2 18,5kW ATEX	49	610	635	1305	560	48	670	337	49
AAVA 1002/P T2 22kW ATEX	49	610	635	1305	560	48	670	337	49

Model	M	N	N1xØ1	N2xØ2	O	P	Ø3	Øa	Øb
AAVA 350/P T2 0,37kW ATEX	189	45	4x8,5	Nº8 M6x20	203	225	10	54	84
AAVA 400/P T2 0,55kW ATEX	189	45	4x8,5	Nº8 M6x20	203	225	10	54	84
AAVA 450/P T2 0,75kW ATEX	211	45	4x8,5	Nº8 M6x20	203	225	10	54	84
AAVA 500/P T2 1,1kW ATEX	211	45	4x8,5	Nº8 M6x20	203	225	10	54	84

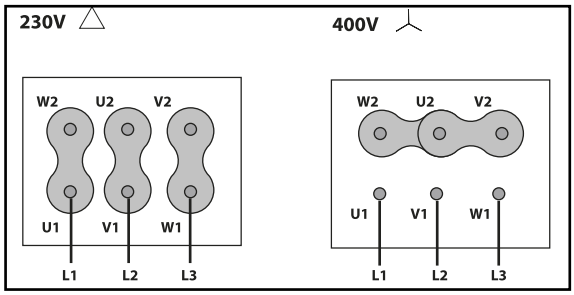
Model	M	N	N1xØ1	N2xØ2	O	P	Ø3	Øa	Øb
AAVA 560/P T2 1,5kW ATEX	246	55	4x8,5	Nº8 M6x20	246	260	10	54	84
AAVA 631/P T2 1,5kW ATEX	246	55	4x8,5	Nº8 M6x20	234	260	10	54	84
AAVA 632/P T2 2,2kW ATEX	246	55	4x8,5	Nº8 M6x20	234	260	10	54	84
AAVA 711/P T2 3kW ATEX	276	30	4x8,5	Nº8 M6x20	289	324	12	66	102
AAVA 712/P T2 4kW ATEX	276	30	4x8,5	Nº8 M6x20	289	324	12	66	102
AAVA 801/P T2 4kW ATEX	276	30	4x8,5	Nº8 M6x20	289	324	12	66	102
AAVA 802/P T2 5,5kW ATEX	276	30	4x8,5	Nº8 M6x20	289	324	12	66	102
AAVA 803/P T2 7,5kW ATEX	276	30	4x8,5	Nº8 M6x20	289	324	12	66	102
AAVA 901/P T2 11kW ATEX	436	50	4x8,5	Nº8 M6x20	395	440	14	83	118
AAVA 902/P T2 15kW ATEX	436	50	4x8,5	Nº8 M6x20	395	440	14	83	118
AAVA 1001/P T2 18,5kW ATEX	436	50	4x8,5	Nº8 M6x20	395	440	14	83	118
AAVA 1002/P T2 22kW ATEX	436	50	4x8,5	Nº8 M6x20	395	440	14	83	118

Model	Øc	Ød	Ød1	Ød2
AAVA 350/P T2 0,37kW ATEX	104	145	182	215
AAVA 400/P T2 0,55kW ATEX	104	145	182	215
AAVA 450/P T2 0,75kW ATEX	104	145	182	215
AAVA 500/P T2 1,1kW ATEX	104	145	182	215
AAVA 560/P T2 1,5kW ATEX	104	145	182	215
AAVA 631/P T2 1,5kW ATEX	104	145	182	215
AAVA 632/P T2 2,2kW ATEX	104	145	182	215
AAVA 711/P T2 3kW ATEX	126	165	200	235
AAVA 712/P T2 4kW ATEX	126	165	200	235
AAVA 801/P T2 4kW ATEX	126	165	200	235
AAVA 802/P T2 5,5kW ATEX	126	165	200	235
AAVA 803/P T2 7,5kW ATEX	126	165	200	235
AAVA 901/P T2 11kW ATEX	143	185	219	250
AAVA 902/P T2 15kW ATEX	143	185	219	250
AAVA 1001/P T2 18,5kW ATEX	143	185	219	250
AAVA 1002/P T2 22kW ATEX	143	185	219	250

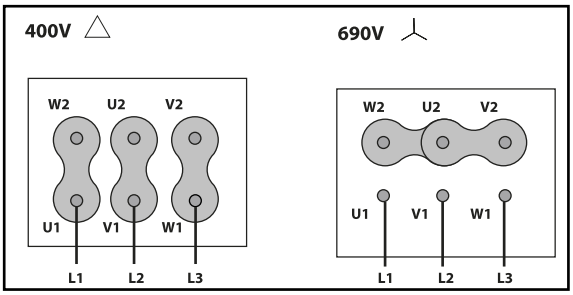
Wiring diagram

Wiring diagram Nº 1

230/400V



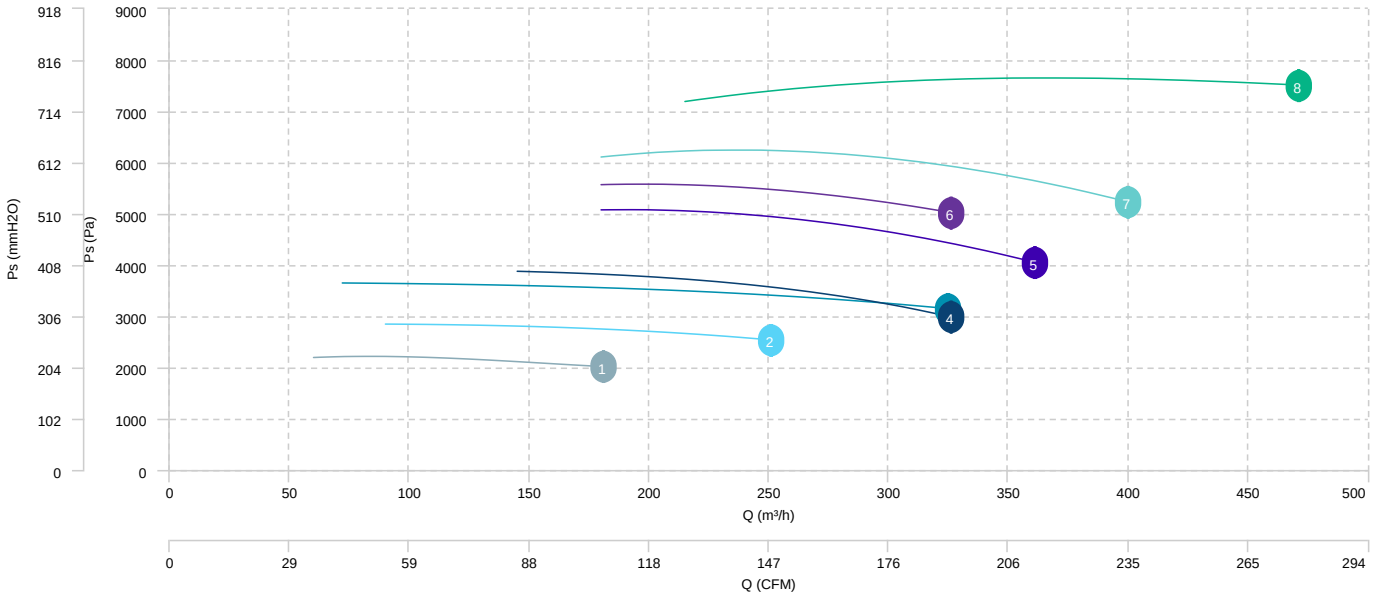
400/690V



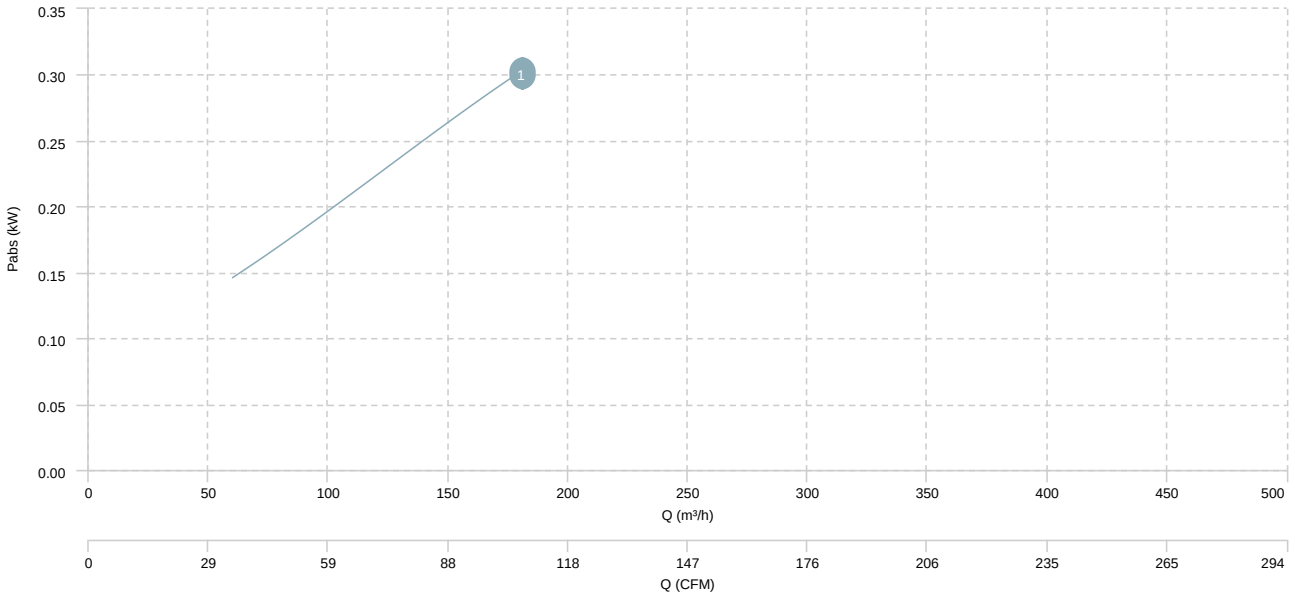
CHARACTERISCTIC CURVE

1	AAVA 350/P T2 0,37kW ATEX	2	AAVA 400/P T2 0,55kW ATEX	3	AAVA 450/P T2 0,75kW ATEX	4	AAVA 500/P T2 1,1kW ATEX
5	AAVA 560/P T2 1,5kW ATEX	6	AAVA 631/P T2 1,5kW ATEX	7	AAVA 632/P T2 2,2kW ATEX	8	AAVA 711/P T2 3kW ATEX

AIR FLOW - PRESSURE

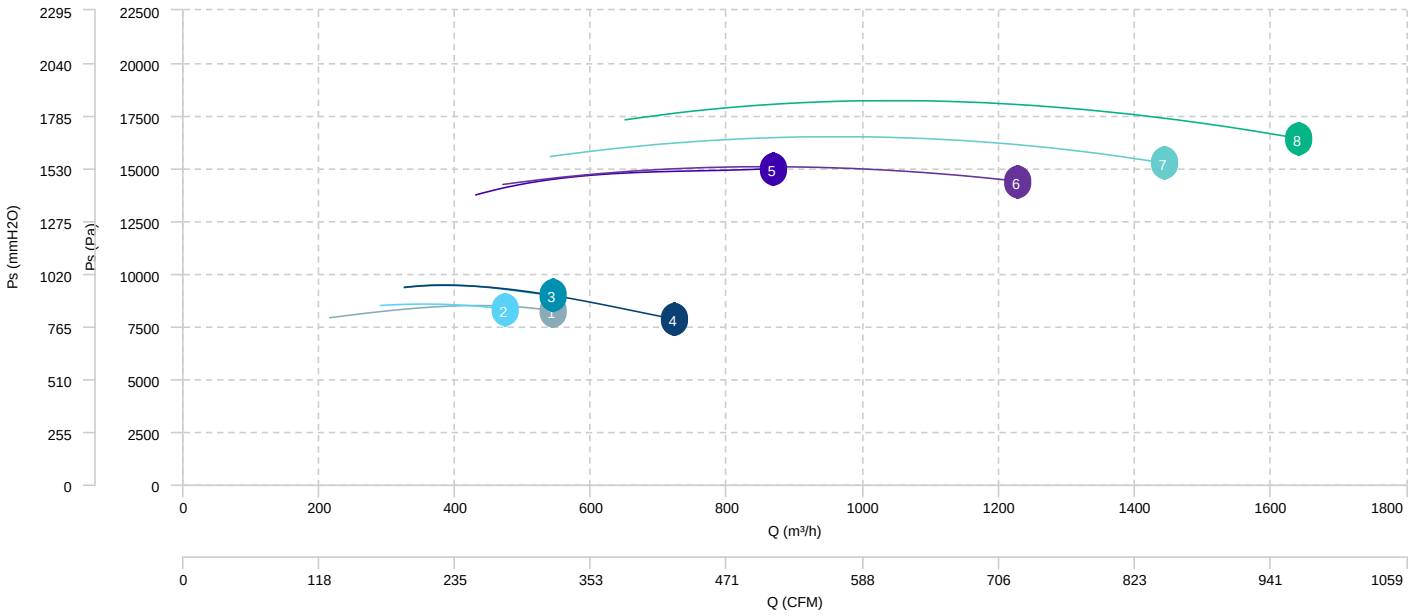


AIR FLOW - ABSORBED POWER

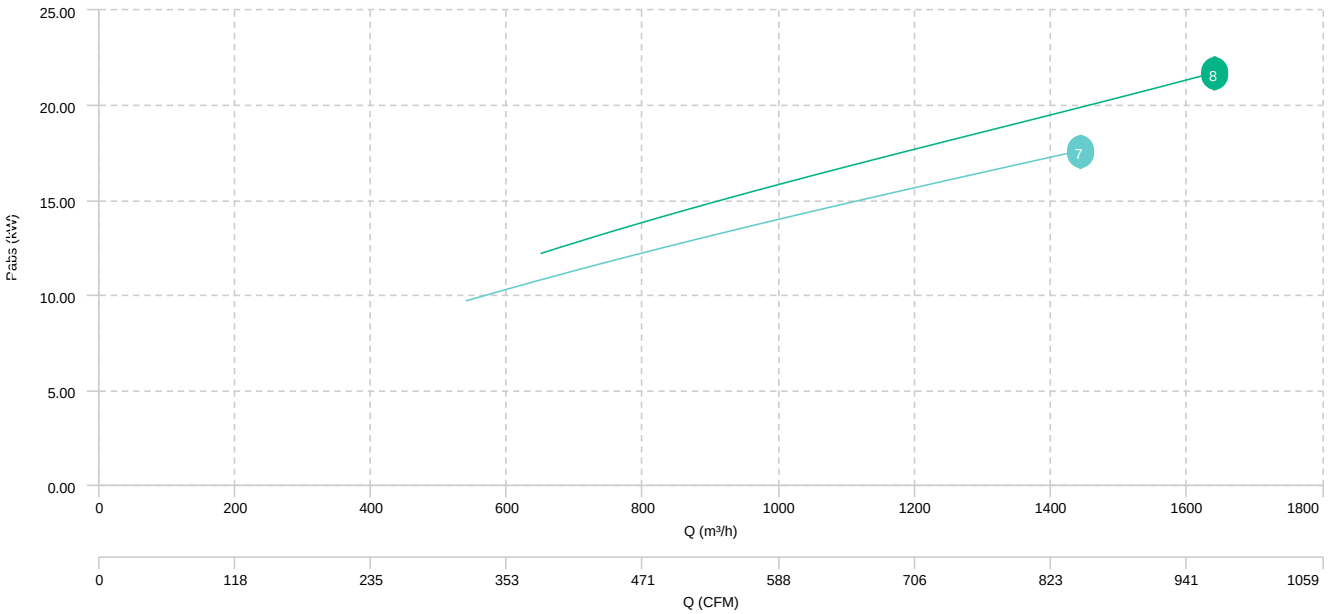


1	AAVA 712/P T2 4kW ATEX	2	AAVA 801/P T2 4kW ATEX	3	AAVA 802/P T2 5,5kW ATEX	4	AAVA 803/P T2 7,5kW ATEX
5	AAVA 901/P T2 11kW ATEX	6	AAVA 902/P T2 15kW ATEX	7	AAVA 1001/P T2 18,5kW ATEX	8	AAVA 1002/P T2 22kW ATEX

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
AAVA 350/P T2 0,37kW ATEX	Inlet	49	63	72	80	81	80	72	72	85
AAVA 400/P T2 0,55kW ATEX	Inlet	51	65	74	82	83	82	74	75	88
AAVA 450/P T2 0,75kW ATEX	Inlet	53	67	76	84	85	84	76	76	90
AAVA 500/P T2 1,1kW ATEX	Inlet	55	70	78	86	87	86	78	79	92
AAVA 560/P T2 1,5kW ATEX	Inlet	57	72	80	88	89	88	80	81	94
AAVA 631/P T2 1,5kW ATEX	Inlet	58	73	81	89	90	89	81	82	95
AAVA 632/P T2 2,2kW ATEX	Inlet	59	74	82	90	91	90	82	83	96
AAVA 711/P T2 3kW ATEX	Inlet	61	76	84	92	93	92	84	85	98
AAVA 712/P T2 4kW ATEX	Inlet	63	77	85	93	95	93	85	86	99
AAVA 801/P T2 4kW ATEX	Inlet	65	79	88	96	97	95	87	88	101
AAVA 802/P T2 5,5kW ATEX	Inlet	67	81	90	98	99	97	90	90	103
AAVA 803/P T2 7,5kW ATEX	Inlet	69	83	92	100	101	99	92	92	105
AAVA 901/P T2 11kW ATEX	Inlet	70	85	93	101	102	101	93	94	107
AAVA 902/P T2 15kW ATEX	Inlet	72	87	95	103	104	103	95	96	109
AAVA 1001/P T2 18,5kW ATEX	Inlet	74	89	97	105	106	105	97	98	111
AAVA 1002/P T2 22kW ATEX	Inlet	76	91	99	107	108	107	99	100	113