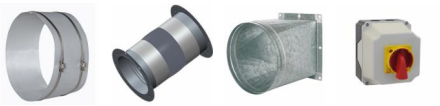
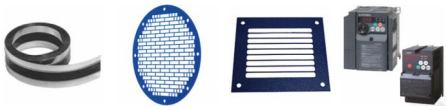
AA47-70

Accessories

AB **AC** **AVR** **AVS**



BA-400 **BAD** **EI** **INT**



JE 45 **RA** **RBS** **SFC**

HIGH PRESSURE WITH ALUMINIUM FORWARD IMPELLER

MANUFACTURING FEATURES:

• Rolling steel sheet housing.
• Fully welded housing.
• High efficiency simple inlet forward curved impeller manufactured in cast aluminium.
• Polyester powder finishing coat.
• Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Standard voltages 230/400V 50Hz motors up to 4kW and 400/690V 50Hz for higher powers.
• Standard orientation: 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.
• Maximum working temperature: carried air: 130ºC, ambient 60ºC.

UNDER REQUEST:

• 60Hz fans and special voltages.
• 2 speed motors.
• Orienta: LG0, LG45, LG90, LG135, LG180. LG225, LG315

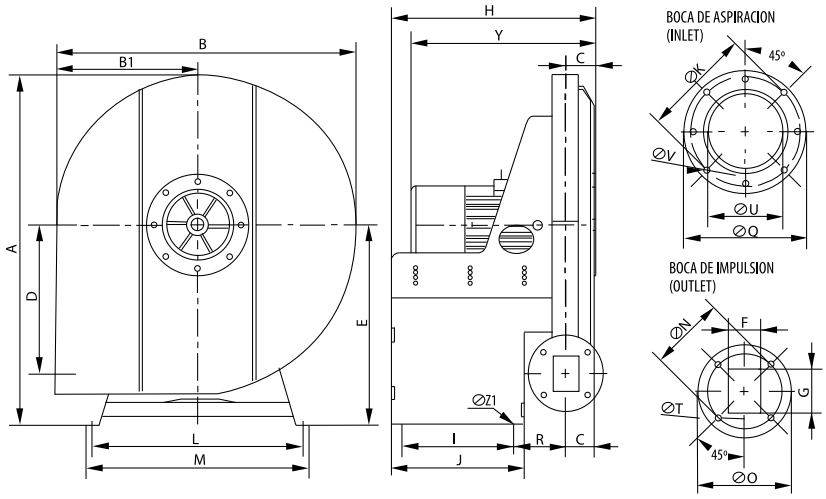
Technical data

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
255170160	AA 47 T2 1,1kW	2800	2,33	1,1	530	64	49,50	1
255280160	AA 53 T2 2,2kW	2800	4,58	2,2	890	66	67	1
255350160	AA 59 T2 2,2kW	2800	4,58	2,2	590	69	70	1
255350163	AA 59 T2 3kW	2870	5,92	3	900	69	77	1
255450160	AA 66 T2 4kW	2890	7,63	4	910	72	82	1
255500160	AA 70 T2 5,5kW	2900	10,6	5,5	1.040	76	118,50	1
255510160	AA 70 T2 7,5kW	2900	14,1	7,5	1.800	78	125	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	B1	C	D	E	F	G	H
AA 47 T2 1,1kW	643	560	264	70	275,5	365	60	60	372
AA 53 T2 2,2kW	698	609	288,5	70	300	395	60	70	392
AA 59 T2 2,2kW	789	679	321	71,5	335	451	60	80	468,5
AA 59 T2 3kW	789	679	321	71,5	335	451	60	80	468,5
AA 66 T2 4kW	866	755	359	7,15	373	490	60	80	464,5
AA 70 T2 5,5kW	918	807	378	75	411,5	516	60	80	501,5
AA 70 T2 7,5kW	918	807	378	75	411,5	516	60	80	501,5

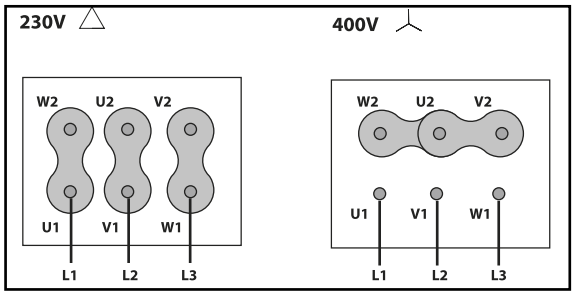
Model	I	J	KØ	L	M	NØ	OØ	QØ	R
AA 47 T2 1,1kW	165	215	175	355	380	132	168	205	112
AA 53 T2 2,2kW	185	235	190	410	435	132	168	215	112
AA 59 T2 2,2kW	250	300	205	475	500	140	175	230	122
AA 59 T2 3kW	250	300	205	475	500	140	175	230	122
AA 66 T2 4kW	250	300	205	545	570	140	175	230	118
AA 70 T2 5,5kW	275	325	205	589	614	140	175	230	126,5
AA 70 T2 7,5kW	275	325	205	589	614	140	175	230	126,5

Model	TØ	UØ	VØ	Y	Z1
AA 47 T2 1,1kW	11	110	12	367	11
AA 53 T2 2,2kW	11	125	12	422	11
AA 59 T2 2,2kW	11	140	12	423,5	11
AA 59 T2 3kW	11	140	12	433,5	11
AA 66 T2 4kW	11	140	12	423,5	11
AA 70 T2 5,5kW	11	140	12	516,5	11
AA 70 T2 7,5kW	11	140	12	516,5	11

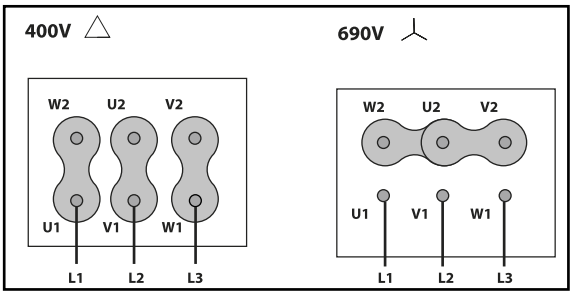
Wiring diagram

DIAGRAM Nº 1

230/400V



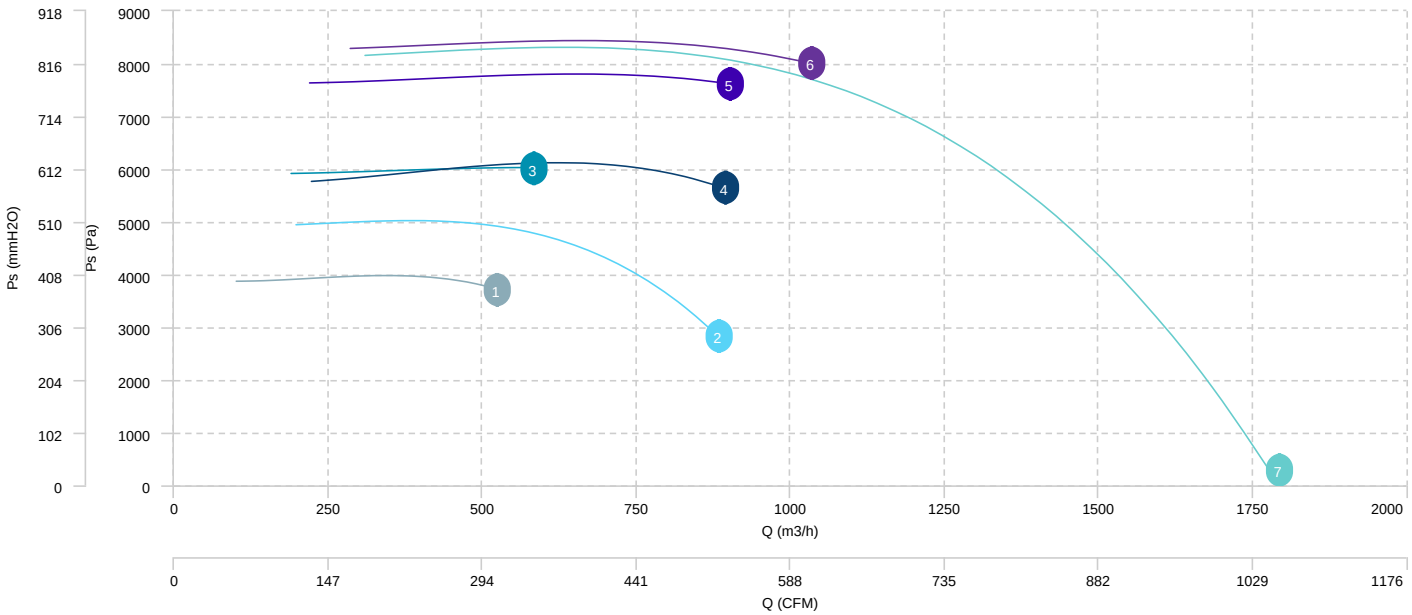
400/690V



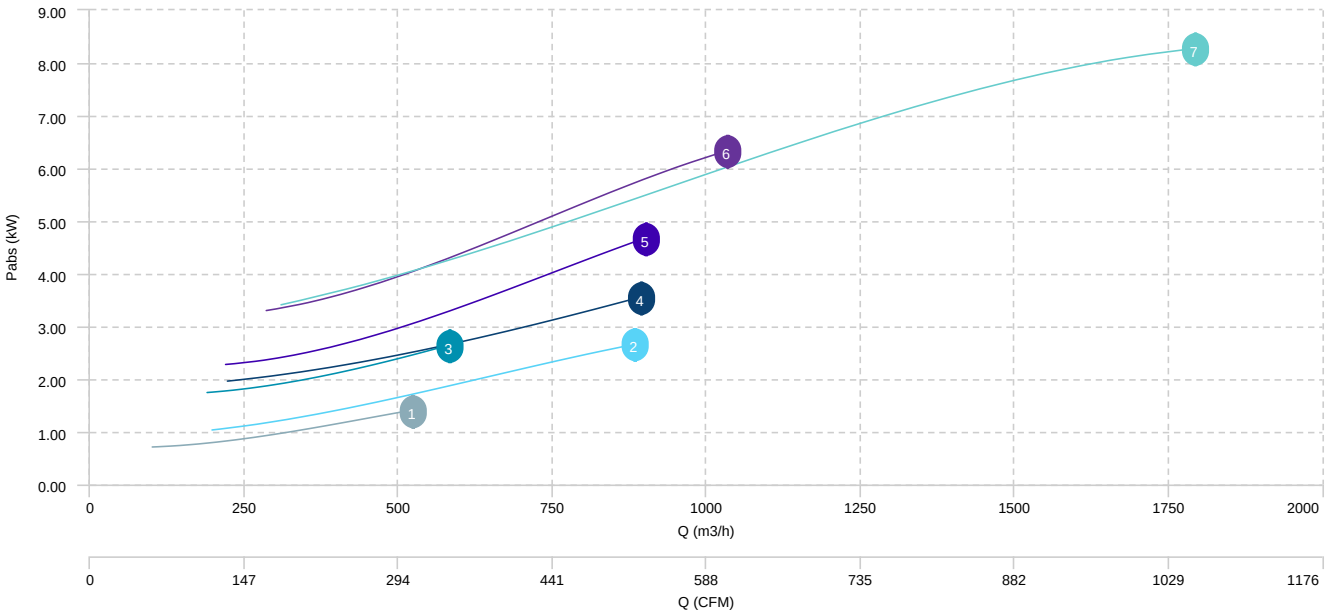
CHARACTERISCTIC CURVE

1	AA 47 T2 1,1kW	2	AA 53 T2 2,2kW	3	AA 59 T2 2,2kW	4	AA 59 T2 3kW
5	AA 66 T2 4kW	6	AA 70 T2 5,5kW	7	AA 70 T2 7,5kW		

AIR FLOW - PRESSURE



AIR FLOW - ABSORBED 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**
AA 47 T2 1,1kW	Inlet	44	56	73	79	87	85	79	71	90
AA 53 T2 2,2kW	Inlet	46	58	75	81	89	87	82	74	92
AA 59 T2 2,2kW	Inlet	49	61	78	84	92	90	84	76	95
AA 59 T2 3kW	Inlet	48	60	77	83	92	90	84	76	95
AA 66 T2 4kW	Inlet	52	64	81	87	95	93	87	79	98
AA 70 T2 5,5kW	Inlet	56	68	85	91	99	97	92	83	102
AA 70 T2 7,5kW	Inlet	57	69	86	92	101	99	93	85	104

erp data

ERP	
Fan type	Centrifugal fan radial or forward blades
Instalation cathegory	B
Efficency cathegory	Total
The fan has to be installed with FSC	No

		Maximum efficiency point data						
Model	**Motor power (kW)**	**Max. efficiency (%)**	**Efficiency grade (N) (N)**	**Air Flow (m3/h)**	**Pt (Pa)**	**Pabs (kW)**	**speed (rpm)**	**Specific ratio**
AA 47 T2 1,1kW	1,1	49,43	54,83	520	3.880,34	1,41	2800	1,00
AA 53 T2 2,2kW	2,2	50,32	54,52	693,54	4.501,75	2,17	2800	1,00
AA 59 T2 2,2kW	2,2	41,81	45,49	580	6.099,79	2,64	2800	1,00
AA 59 T2 3kW	3,0	51,41	54,27	890	5.808,50	3,55	2870	1,00
AA 66 T2 4kW	4,0	50,55	52,65	900	7.783,71	4,68	2890	1,00
AA 70 T2 5,5kW	5,5	47,18	48,46	1.030	8.228,65	6,32	2900	1,00
AA 70 T2 7,5kW	7,5	50,23	51,23	1.290,35	6.660,44	7	2900	1,00