

## BA Inox



### MEDIUM PRESSURE FAN WITH FORWARD IMPELLER AND IN STAINLESS STEEL CONSTRUCTION

#### MANUFACTURING FEATURES:

- Welded stainless steel AISI 304 housing.
- Stainless steel simple inlet forward curved impeller.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50Hz for single phase motors, 230/400V 50Hz for three phase motors.

- 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.
- Corrosive air transport.
- Maximum working temperature: carried air: 130°C, ambient: 1ph 50°C, 3ph 60°C.

#### UNDER REQUEST:

- 60Hz fans and special voltages.
- 2 speed motors (three phase motors).

## Technical data

### Single-phase motor / 2 poles

Model	R.P.M.	Rated I. A 230V	Rated power kW	Max. Airflow m <sup>3</sup> /h	Sound db (A)**	Weight kg	Connect. diagram
BA 100-52 M2 0,12kW	2800	0,94	0,12	300	26	2,40	1
BA 130-62 M2 0,18kW	2790	1,36	0,18	600	37	5,30	1
BA 130-82 M2 0,25kW	2790	1,77	0,25	660	38	9,40	1
BA 160-82 M2 0,37kW	2760	2,47	0,37	1.200	43	6,20	1
BA 180-82 M2 0,55kW	2800	3,71	0,55	1.380	50	10,20	1
BA 200-102 M2 1,1kW	2800	6,71	1,10	2.160	52	19	1

### Single-phase motor / 4 poles

Model	R.P.M.	Rated I. A 230V	Rated power kW	Max. Airflow m <sup>3</sup> /h	Sound db (A)**	Weight kg	Connect. diagram
BA 130-64 M4 0,12kW	1380	0,93	0,12	380	22	4,90	1
BA 130-84 M4 0,12kW	1380	0,93	0,12	390	26	5,80	1
BA 160-84 M4 0,12kW	1380	0,93	0,12	660	30	9	1
BA 180-84 M4 0,25kW	1410	1,6	0,25	900	31	9,70	1
BA 200-104 M4 0,25kW	1410	1,6	0,25	1.200	32	11	1

### Three-phase motor / 2 poles

Model	R.P.M.	Rated I. A		Rated power kW	Max. Airflow m <sup>3</sup> /h	Sound db (A)**	Weight kg	Connect. diagram
		230V	400V					
BA 100-52 T2 0,12kW	2800	0,64	0,36	0,12	300	26	2,40	2
BA 130-62 T2 0,18kW	2800	0,87	0,51	0,18	600	37	5,30	2
BA 130-82 T2 0,25kW	2800	1,12	0,65	0,25	660	38	9,40	2
BA 160-82 T2 0,37kW	2800	1,58	0,91	0,37	1.200	43	6,20	2
BA 180-28 T2 0,55kW	2800	2,23	1,29	0,55	1.380	50	10,20	2
BA 200-102 T2 1,1kW	2800	4,05	2,33	1,10	2.160	52	19	2

### Three-phase motor / 4 poles

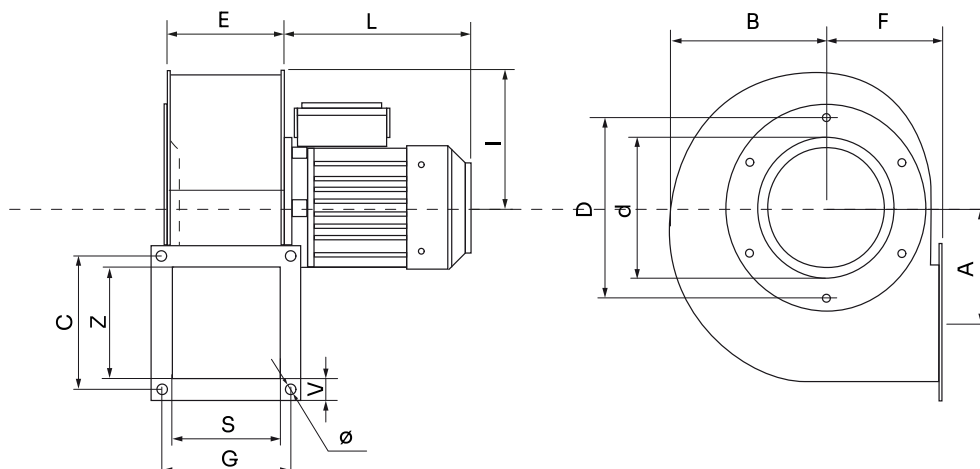
Model	R.P.M.	Rated I. A		Rated power kW	Max. Airflow m <sup>3</sup> /h	Sound db (A)**	Weight kg	Connect. diagram
		230V	400V					
BA 130-64 T4 0,12kW	1400	0,8	0,46	0,12	380	22	4,90	2

Model	R.P.M.	Rated I. A		Rated power kW	Max. Airflow m <sup>3</sup> /h	Sound db (A)**	Weight kg	Connect. diagram
		230V	400V					
BA 130-84 T4 0,12kW	1400	0,8	0,46	0,12	390	26	5,80	2
BA 160-84 T4 0,12kW	1400	0,8	0,46	0,12	660	30	9	2
BA 180-84 T4 0,25kW	1400	1,38	0,79	0,25	900	31	9,70	2
BA 200-104 T4 0,25kW	1400	1,38	0,79	0,25	1.200	32	11	2

**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

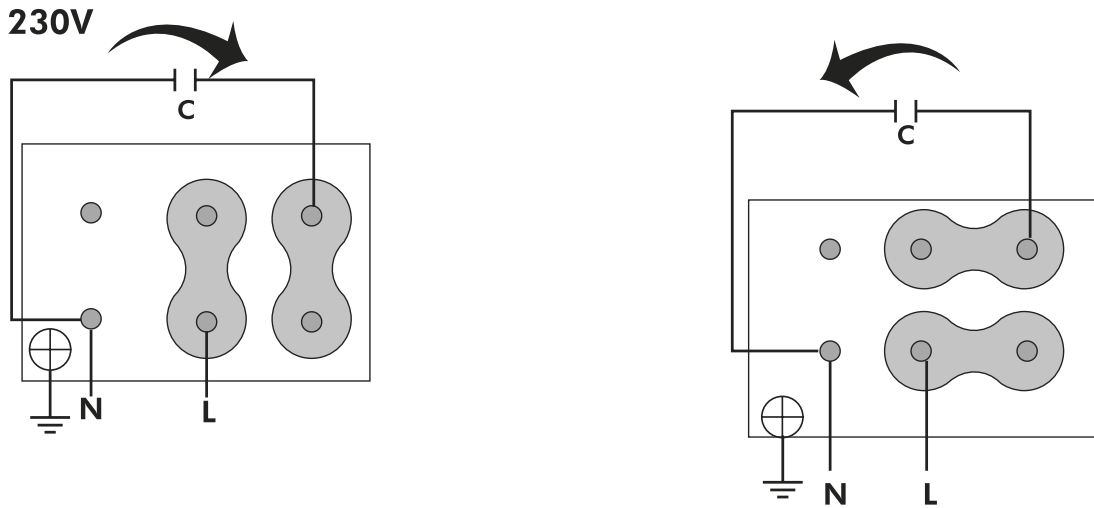


Model	A	B	C	D	E	F	G	I	L
BA 100-52 M2 0,12kW	65	90	85	115	72	80	85	77	165
BA 100-52 T2 0,12kW	65	90	85	115	72	80	85	77	165
BA 130-62 M2 0,18kW	92	125	110	158	92	104	110	110	190
BA 130-64 M4 0,12kW	92	125	110	158	92	104	110	110	190
BA 130-62 T2 0,18kW	92	125	110	158	92	104	110	110	190
BA 130-64 T4 0,12kW	92	125	110	158	92	104	110	110	190
BA 130-82 M2 0,25kW	92	125	110	158	112	104	130	110	190
BA 130-84 M4 0,12kW	92	125	110	158	112	104	130	110	190
BA 130-82 T2 0,25kW	92	125	110	158	112	104	130	110	190
BA 130-84 T4 0,12kW	92	125	110	158	112	104	130	110	190
BA 160-82 M2 0,37kW	115	158	133	182	114	120	133	134	215
BA 160-84 M4 0,12kW	115	158	133	182	114	120	133	134	190
BA 160-82 T2 0,37kW	115	158	133	182	114	120	133	134	215
BA 160-84 T4 0,12kW	115	158	133	182	114	120	133	134	190
BA 180-82 M2 0,55kW	115	158	133	200	114	120	133	134	215
BA 180-84 M4 0,25kW	115	158	133	200	114	120	133	134	190
BA 180-82 T2 0,55kW	115	158	133	200	114	120	133	134	215
BA 180-84 T4 0,25kW	115	158	133	200	114	120	133	134	190
BA 20/10 M2 1,1kW	145	190	165	220	144	155	165	160	250
BA 200-104 M4 0,25kW	145	190	165	220	144	155	165	160	190
BA 200-102 T2 1,1kW	145	190	165	220	144	155	165	160	250
BA 200-104 T4 0,25kW	145	190	165	220	144	155	165	160	190

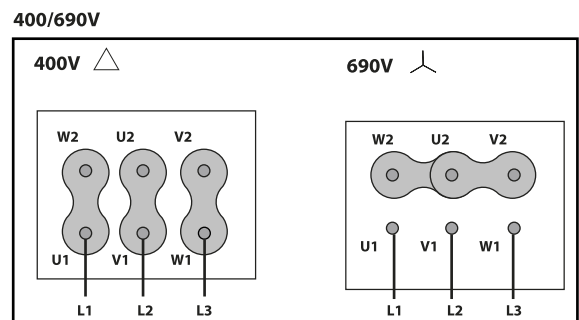
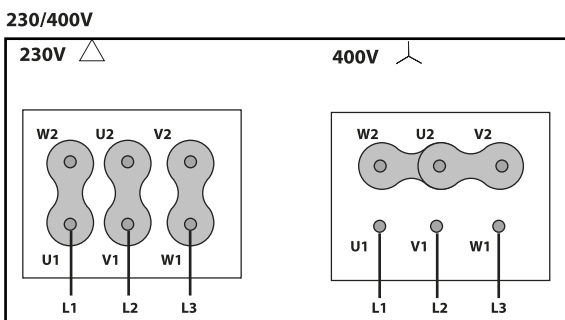
<b>Model</b>	<b>S</b>	<b>V</b>	<b>Z</b>	<b>d</b>	<b>Ø</b>
BA 100-52 M2 0,12kW	70	15	70	75	7x14
BA 100-52 T2 0,12kW	70	15	70	75	7x14
BA 130-62 M2 0,18kW	90	20	90	101	9x16
BA 130-64 M4 0,12kW	90	20	90	101	9x16
BA 130-62 T2 0,18kW	90	20	90	101	9x16
BA 130-64 T4 0,12kW	90	20	90	101	9x16
BA 130-82 M2 0,25kW	110	20	90	101	9x16
BA 130-84 M4 0,12kW	110	20	90	101	9x16
BA 130-82 T2 0,25kW	110	20	90	101	9x16
BA 130-84 T4 0,12kW	110	20	90	101	9x16
BA 160-82 M2 0,37kW	110	22.5	110	120	9x16
BA 160-84 M4 0,12kW	110	22.5	110	120	9x16
BA 160-82 T2 0,37kW	110	22.5	110	120	9x16
BA 160-84 T4 0,12kW	110	22.5	110	120	9x16
BA 180-82 M2 0,55kW	110	22.5	110	140	9x16
BA 180-84 M4 0,25kW	110	22.5	110	140	9x16
BA 180-82 T2 0,55kW	110	22.5	110	140	9x16
BA 180-84 T4 0,25kW	110	22.5	110	140	9x16
BA 20/10 M2 1,1kW	140	25	140	170	9x16
BA 200-104 M4 0,25kW	140	25	140	170	9x16
BA 200-102 T2 1,1kW	140	25	140	170	9x16
BA 200-104 T4 0,25kW	140	25	140	170	9x16

## Wiring diagram

### Wiring diagram N° 1



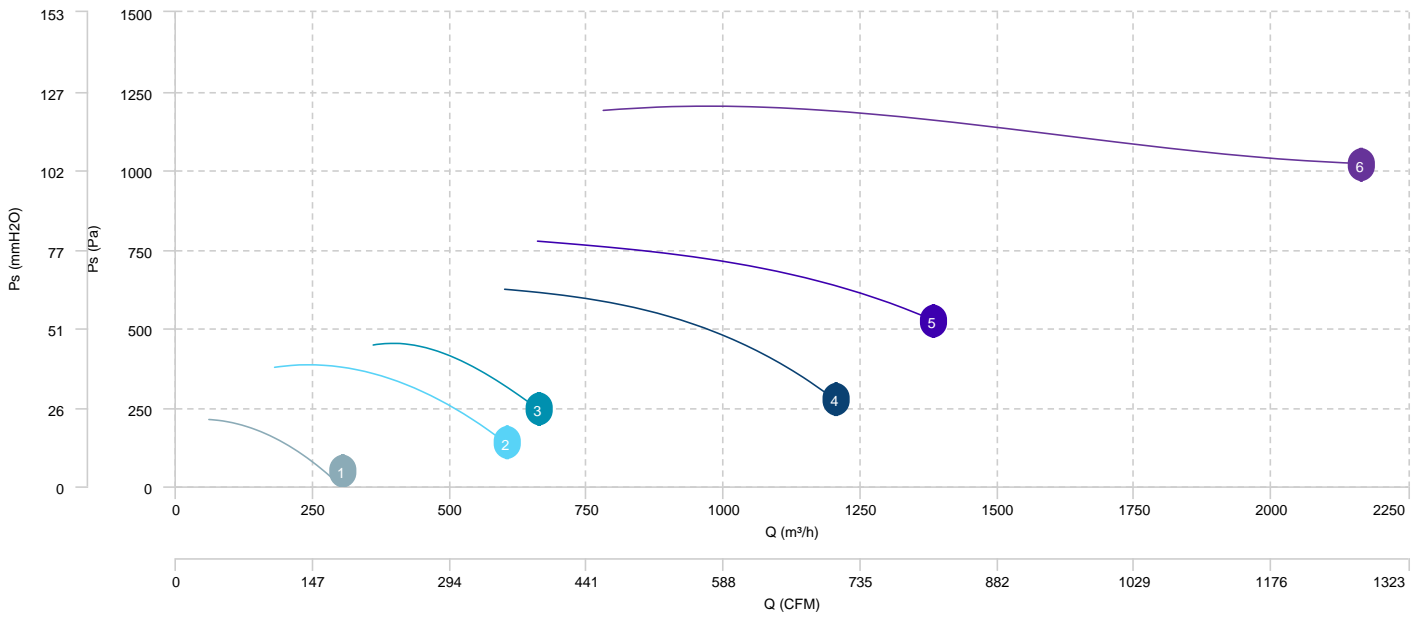
### Wiring diagram N° 2



## CHARACTERISTIC CURVE

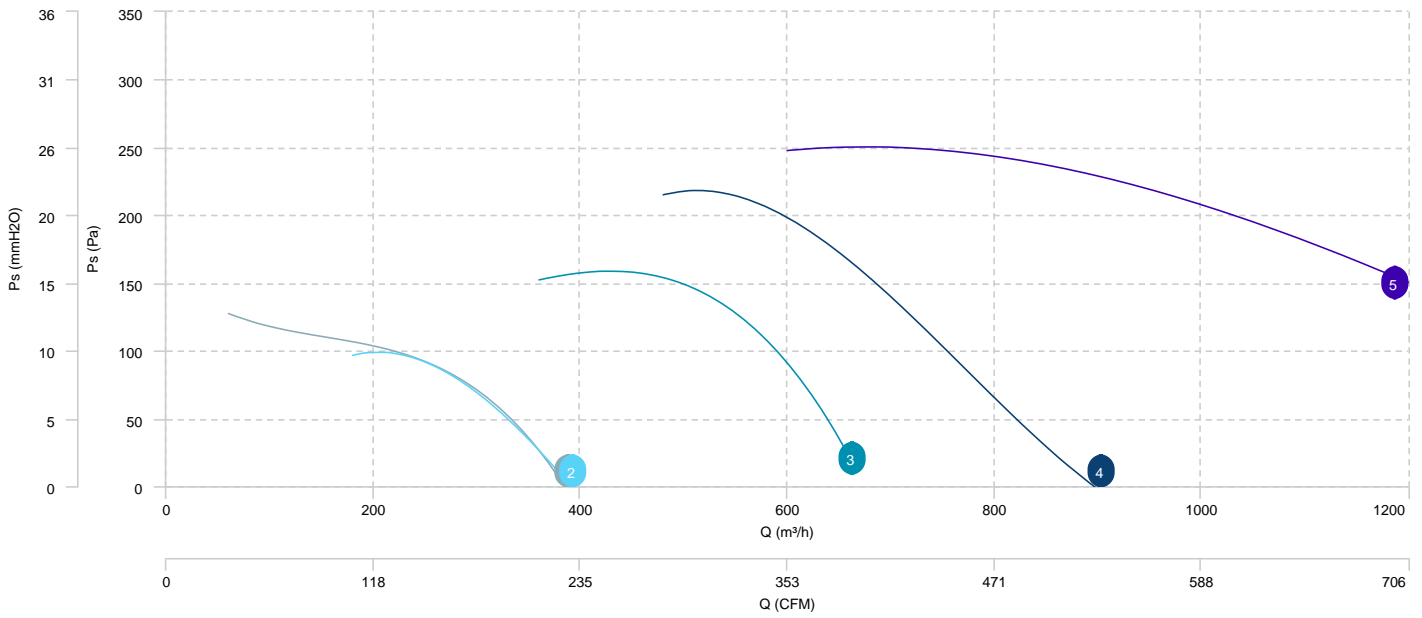
1	BA 100-52 M2 0,12kW	2	BA 130-62 M2 0,18kW	3	BA 130-82 M2 0,25kW	4	BA 160-82 M2 0,37kW
5	BA 180-82 M2 0,55kW	6	BA 200-102 M2 1,1kW				

### AIR FLOW - PRESSURE



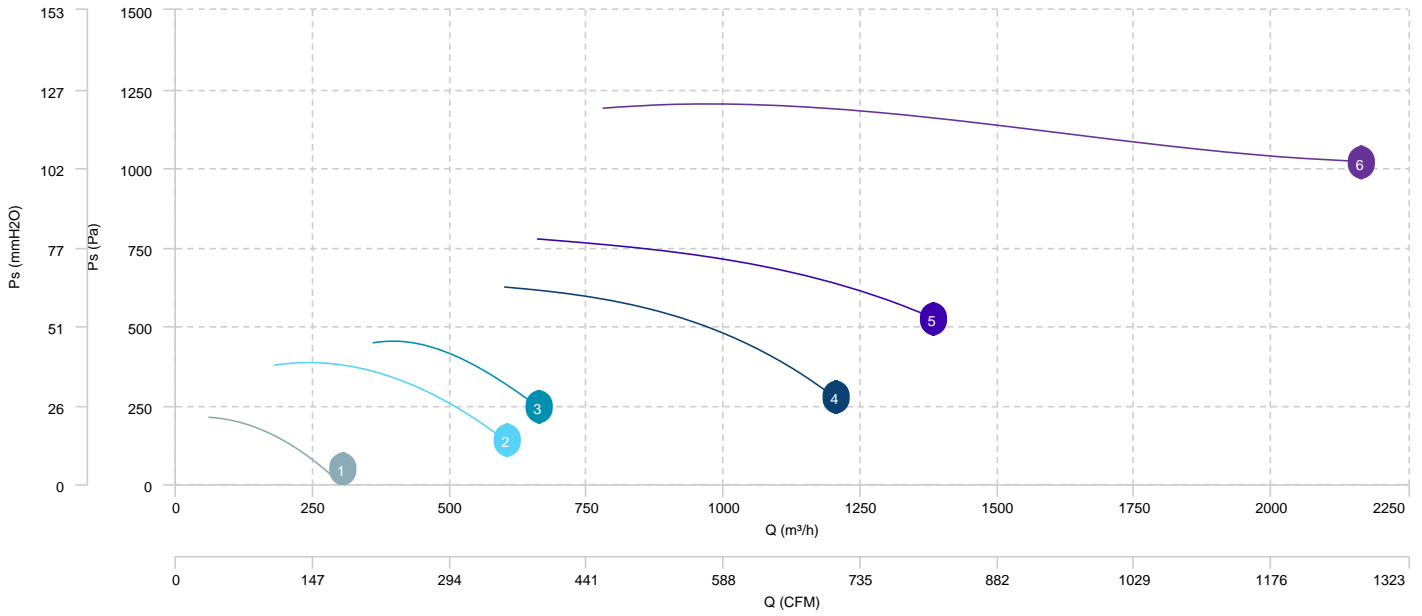
- 1 BA 130-64 M4 0,12kW
- 2 BA 130-84 M4 0,12kW
- 3 BA 160-84 M4 0,12kW
- 4 BA 180-84 M4 0,25kW
- 5 BA 200-104 M4 0,25kW

**AIR FLOW - PRESSURE**



1	BA 100-52 T2 0,12kW	2	BA 130-62 T2 0,18kW	3	BA 130-82 T2 0,25kW	4	BA 160-82 T2 0,37kW
5	BA 180-82 T2 0,55kW	6	BA 200-102 T2 1,1kW				

**AIR FLOW - PRESSURE**



1 BA 130-64 T4 0,12kW  
5 BA 200-104 T4 0,25kW

2 BA 130-84 T4 0,12kW

3 BA 160-84 T4 0,12kW

4 BA 180-84 T4 0,25kW

**AIR FLOW - PRESSURE**

