

Axial Flow Fans

AX Series

In this series of fans the air enters and comes out from the fan in axial way, through a direct system of crossing.

AX series is constituted by 5 sizes.

SA series is constituted by 2 sizes.

MA series is constituted by 1 size.

Axial Flow Fans AX Series

Technical Specifications

- axial-flow fan;
- Single phase, 2 shaded poles, impedance protected motor, built complying "CE" standards, with self-lubricating and self-aligning sleeve bearings, with big oil reservoir;
- motor with "F" insulation class (155°C);
- suitable for continuous duty with room temperature between -10°C and + 60°C;
- electric supply by 6,3x0,8mm male faston-type connectors, directly fixed on coil (see the scheme below);
- fan blade made of nylon mixed with fiberglass or aluminium;
- zinc-coated metal plate bracket.

On Request

- fan blades of various diameter and inclination;
- motors with different power;
- protection against dust and/or humidity;
- dustproof end-shields with "IP50" class protection;
- coil bobbin with "IP56" protection class;
- operating voltages between 12V and 400V 50/60Hz;
- 2 speeds motor or double voltage;
- electric supply with flying cables of various lengths;
- motor with "H" insulation class (180°C);
- thermal protector or thermal cut off protection;
- version without supporting plate;
- spacers of various lengths and/or protruding screws in order to fix the fan on a wall;
- version built complying UL-CSA standards;
- double shield bearings (ZZ);
- motor cap made of black nylon mixed with fiberglass.



ID code

|AX|017B|T|1|3R|A|A|V|230|50|

1 2 3 4 5 6 7 8 9 10

- | | |
|----------------------------|--|
| 1) series | 7) action |
| 2) type | A: sucking |
| 3) thermal protection | P: blowing |
| T: thermal protector | 8) on request (*) |
| F: thermal cut off | HT: High Temperature |
| blank: impedance protected | IV-IM-PRN: Low temperature with high humidity rate 92% |
| 4) winding code | INC: Low temperature with high humidity rate IP56 |
| 5) faston position | 9) operating voltage |
| 6) rotation | 10) rated frequency |
| O: clockwise | |
| A: anticlockwise | |

(*) impregnated versions:

IV Version: impregnated coil bobbin through immersion in epoxydic varnish (classic impregnation of stators);

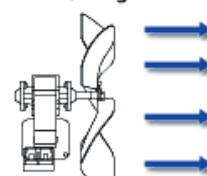
PRN Version: coil bobbin spread with black epoxydic resin, the bobbin is protected by a visible layer of resin;

IM Version: the coil bobbin is impregnated through immersion in epoxydic varnish with silicon put in the contacts zone at the end of the winding and 3 cores cable, and the bobbin is covered by a nylon cap. The coil bobbin is not submerged in the resin, but well visible, it should be necessary to pay attention and to place the motor in a way that the open part of the cap will be directed downward in order to prevent that it could fill up of humidity;

INC Version: coil bobbin in "IP56", the bobbin is completely submerged in the epoxydic resin.

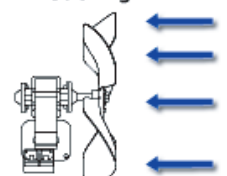
Fan blade action

Blowing



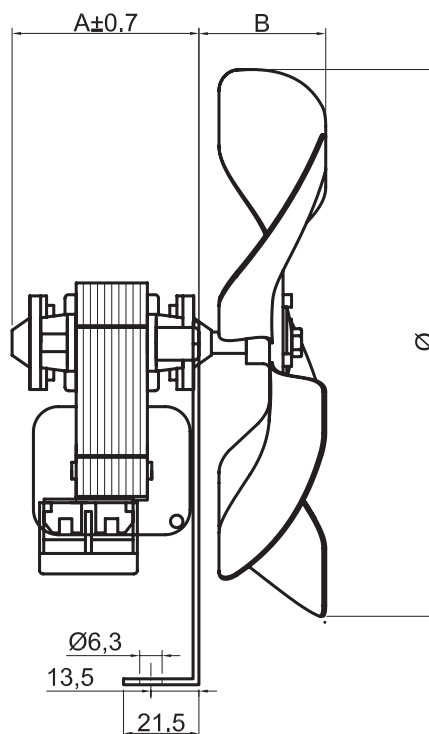
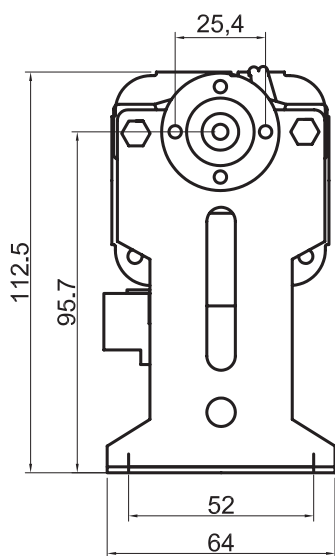
The motor volume reduce the fan performance.

Sucking



We recommend you the sucking version.

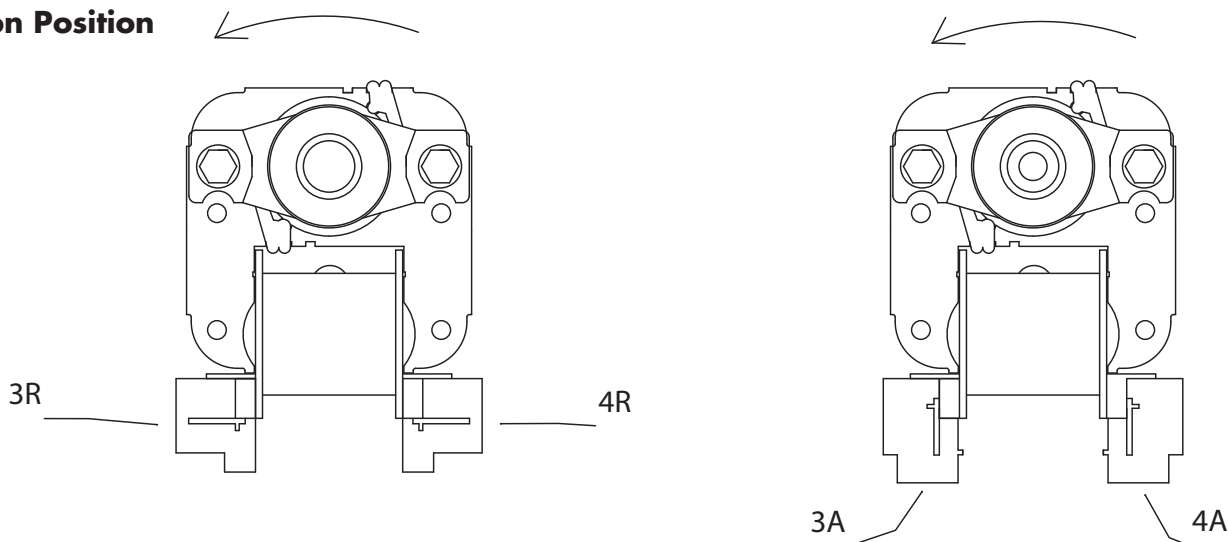
Dimensions



Versions

Type	Motor	Input power		Dimensions		Wheel	Flow rate M3/h	RPM
		mA	W	A	B			
AX09NY	P15-1	127	15	48	25	Ø 96 Nylon	90	2700
AX010	P15-1	130	16	48	35	Ø 96 Alluminio	110	2600
AX010NY	P15-1	133	16	48	25	Ø 100 Nylon	130	2550
AX013NY	P15-1	135	17	48	25	Ø 130 Nylon	140	2450
AX013	P15-1	140	17	48	32	Ø 130 Alluminio	240	1750
AX013B	P20-1	160	22	53	32	Ø 130 Alluminio	340	2150
AX015	P15-1	142	18	48	32	Ø 154 Alluminio	300	1400
AX015B	P20-1	175	24	53	32	Ø 154 Alluminio	350	1800
AX017	P15-1	151	19	48	32	Ø 170 Alluminio	310	1100
AX017B	P20-1	178	25	53	32	Ø 170 Alluminio	350	1350
AX017C	P30-1	300	39	63	32	Ø 170 Alluminio	500	2330

Faston Position



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All motors, fans and blowers are manufactured in our factory in Pieve Emanuele (Milano – Italy).
Dimensions and specifications can vary. We reserve ourselves the right to make changes anytime we consider it's the case.