

Motors

P Series

Single-phase, 2 shaded poles for various appliances.

These motors are extremely cheap, strong, their direction of march is irreversible and they don't produce radio interferences.

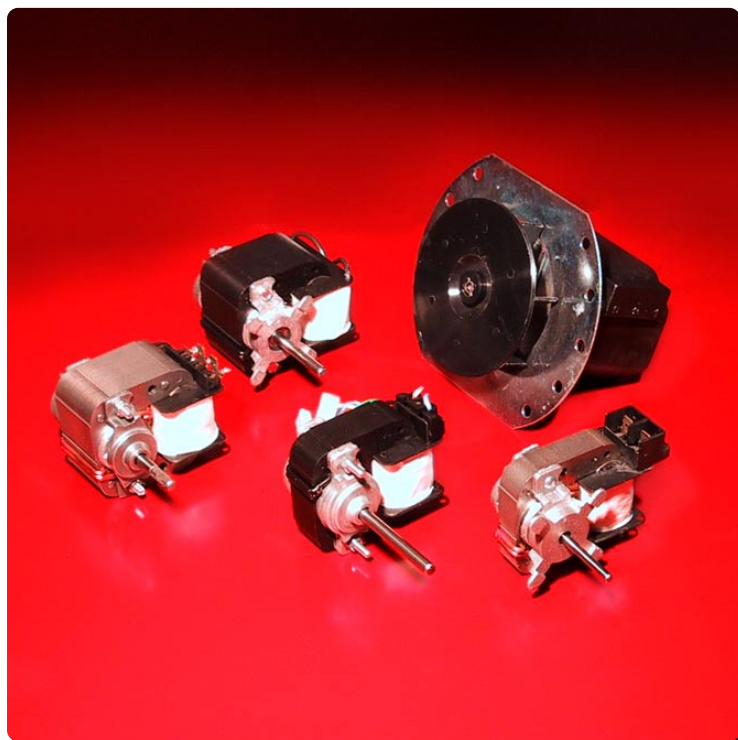
Motors P Series

Technical Specifications

- single-phase, 2 shaded-poles, impedance protected motor, built complying "CE" standards, with self lubricating and 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);
- operating voltages between 12V and 400V 50/60Hz;
- motor stack dimensions 61x61mm;
- clock-wise version and counterclockwise version;
- temperate-steel driving shaft d. 4,5 or 6mm.

On Request

- motors with different power;
- protection against dust and/or humidity;
- coil bobbin with "IP56" protection class;
- dustproof end-shields with "IP50" protection class;
- motor with "H" insulation class (180°C);
- electric supply with flying cables of various lengths;
- double or triple speed motor and/or double voltage;
- thermal protector or thermal cut off protection;
- spacers of various lengths and/or protruding screws in order to fix the motor on a wall;
- version built complying UL-CSA standards;
- double shield bearings (ZZ);
- cooling fan wheel;
- motor stack dimensions 61x64 mm (E series) and motor stack height from 10 to 40 mm with different power;
- six motor types VDE1306 approved: three of them in "B" class (130°C) and three in "H" class (180°C);
- electric supply by 4,8x0,8mm male faston type connectors directly fixed on coil.



ID code

P|2|0|1|T|3|R|A|B|B|I|V|V|R|2|3|0|5|0

1 2 3 4 5 6 7 8 9 10 11

- | | |
|----------------------------|--------------------------------------------------------|
| 1) series | 7) on request |
| 2) motor stack height | BB: ball bearings on the motor |
| 3) cod. coil bobbin | 8) on request (*) |
| 4) thermal protection | HT: High temperature |
| T: thermal protector | IV-IM-PRN: Low temperature with high humidity rate 92% |
| F: thermal cut off | INC: Low temperature with high humidity rate IP56 |
| blank: impedance protected | |
| 5) faston position | 9) on request |
| 6) rotation | cooling fan wheel |
| O: clockwise | 10) operating voltage |
| A: counterclockwise | 11) rated frequency |

(*) impregnated versions:

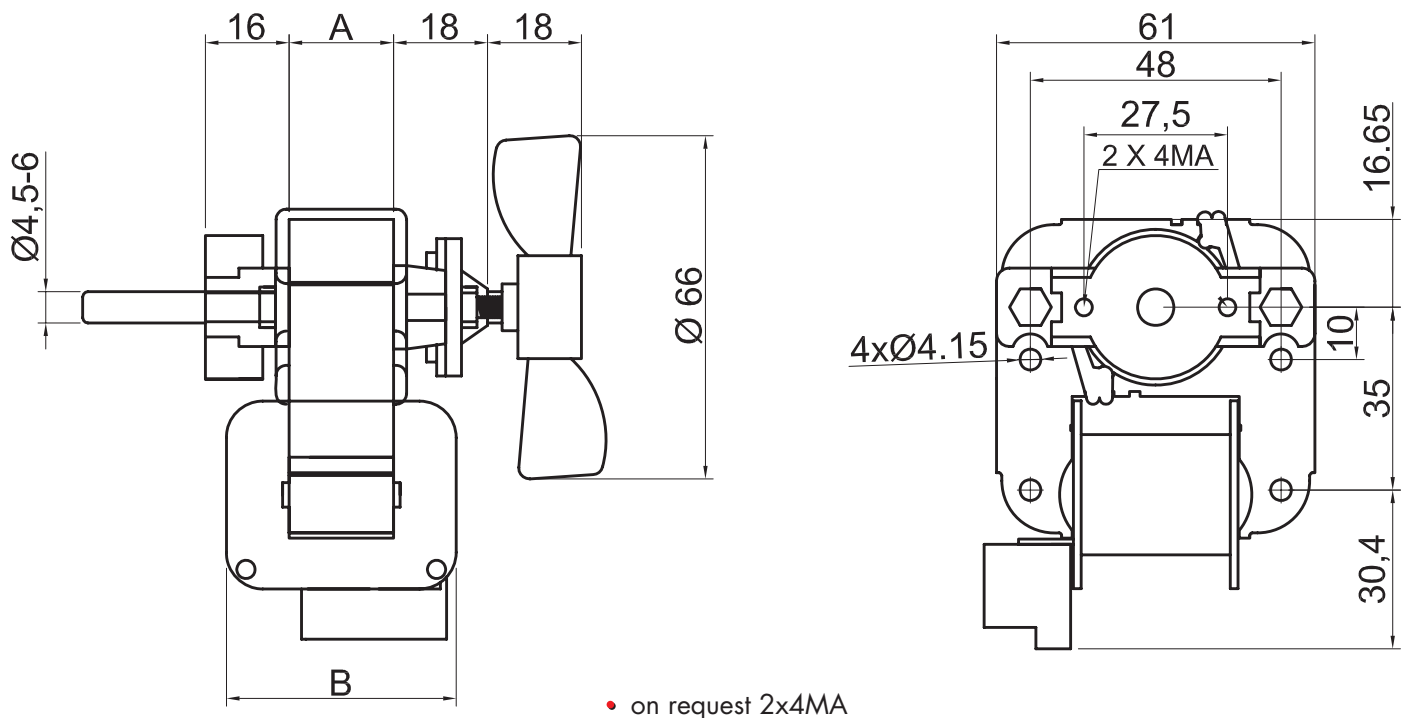
IV Version: impregnated coil bobbin through immersion in epoxydic varnish (classic impregnation of stators);

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.

Dimensions

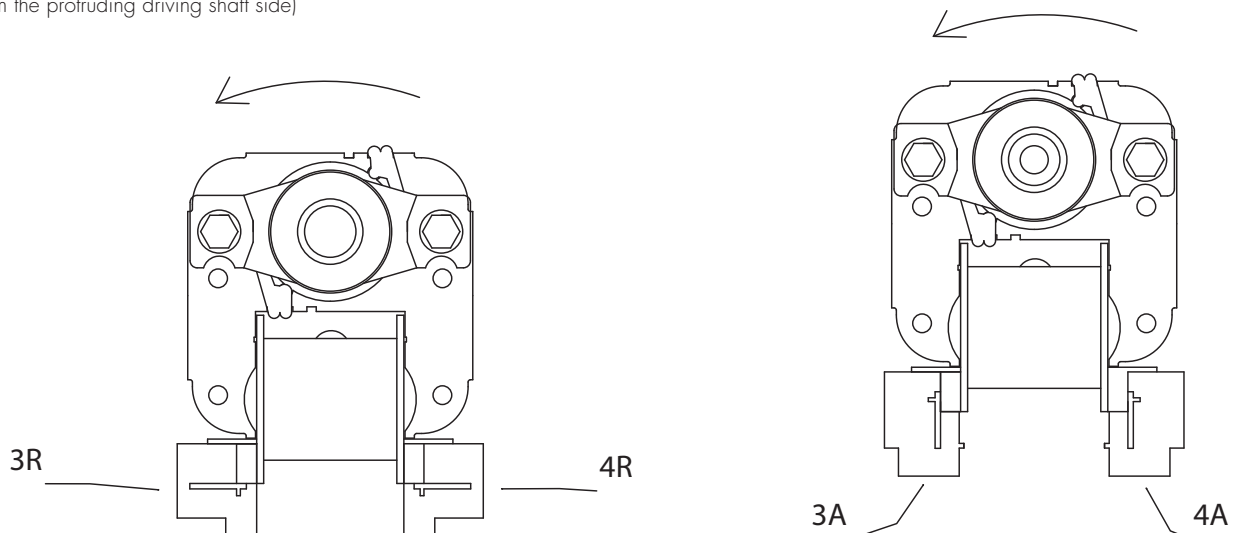


Versions

Type	Motor stack height		Voltage	Freq	Input power W	Input current A
	A mm.	B mm.				
P 10-1	10	35	230	50	17	0,170
P 15-1	15	40	230	50	14	0,114
P 20-1	20	45	230	50	17,8	0,145
P 25-1	25	50	230	50	28,6	0,259
P 30-1	30	44	230	50	28	0,230
P 35-1	35	60	230	50	37	0,300
P 40-1	40	70	230	50	48	0,355

Faston position

(View from the protruding driving shaft side)



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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.