

The motors of the Industrial Motor line are specific for all those applications where the vacuum power modulation is not required, but must remain constant throughout the cycle of use.  
 In case of several operators at the same time, the change of power will be managed by a special switchboard.  
 The absence of the inverter should not be seen as a penalty, but as a requirement to make them able to operate in extreme conditions of load or particularly heavy load.  
 These blowing motors are also new generation, characterised by increased energy efficiency.



**SELECTION TABLE Industrial Motor**


MODEL	ARTICLE	Max number of users
Industrial Motor 4 kW	<b>3500.3M</b>	2
Industrial Motor 5,5 kW	<b>3500.5M</b>	3

**SYNTHETIC CHARACTERISTICS**

 **CE marking**

 **Isolation Class 1**

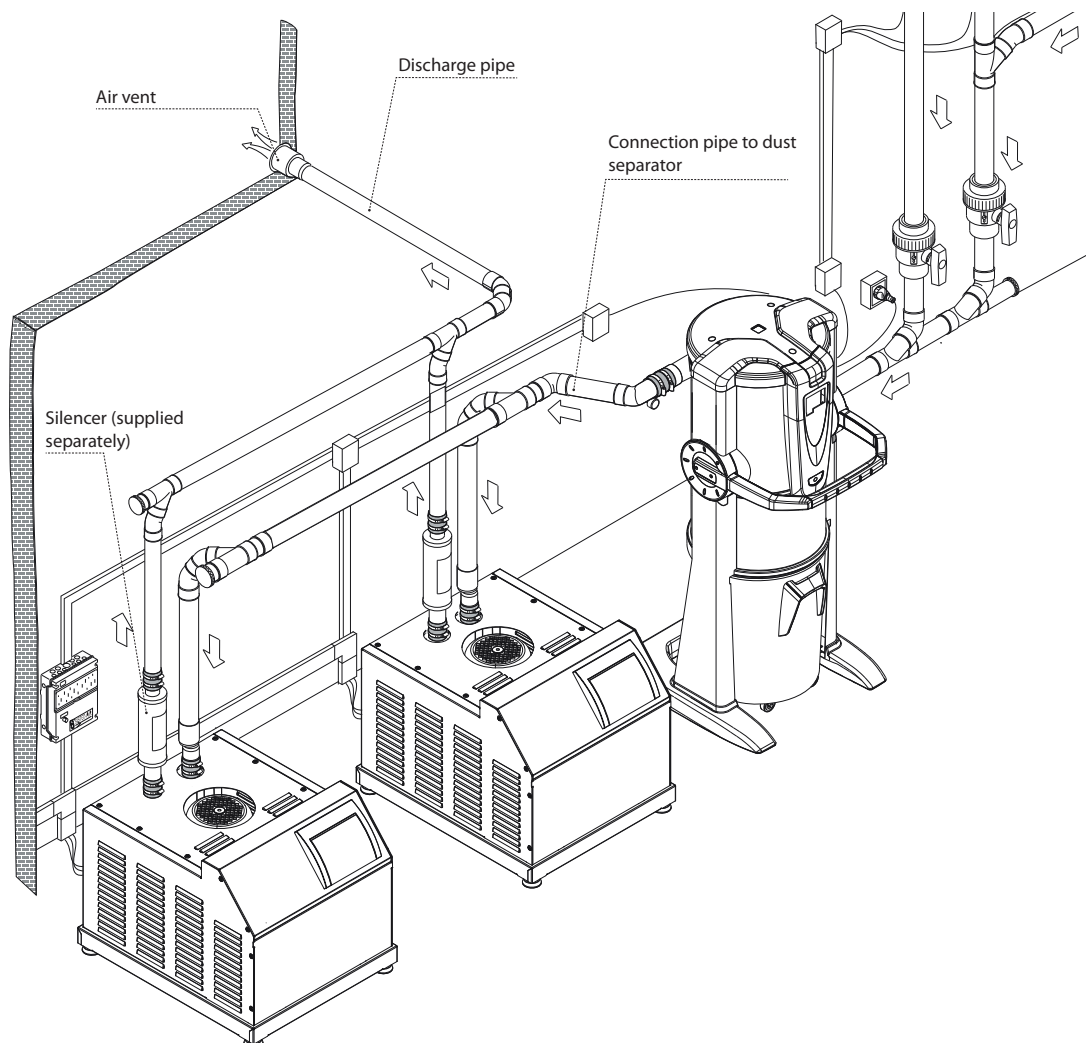
 **IP protection degree**

 **Max number of simultaneous users - multiple users**

# INDUSTRIAL MOTOR

## PIPE NETWORK CONNECTION

**WARNING:** if the discharge pipe exceeds 5 m, it is necessary to install a larger diameter in order to reach the optimal conditions for air expulsion.

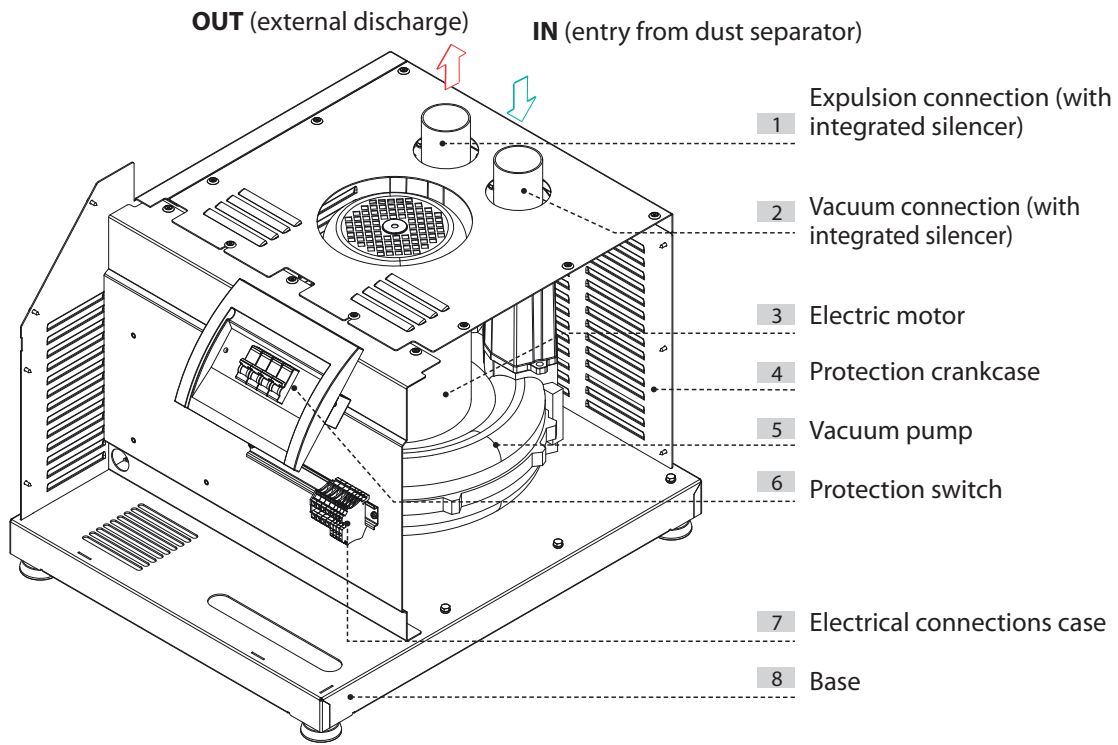


## TECHNICAL FEATURES

Industrial Motors are designed and produced in conformity with all current regulations and European directives, whilst taking into account functionality, power and capacity. Main technical characteristics can be listed as follows:

- Metal cylindrical frame painted with epoxy powder
- Professional motor with CE marking, IP 55 protection degree, F IEC 2 class, with integrated silencers
- Side-channel motor-pump group with light, high-performance and maintenance-free alloy case
- Motors noise level dB(A): from 60 to 80, according to the models and performance
- General supply 400 V
- Circuit breaker protection on-board of control panel
- Multiple installations, with electronic panel

**INDUSTRIAL MOTOR BLOWING MOTOR SECTION**



# INDUSTRIAL MOTOR

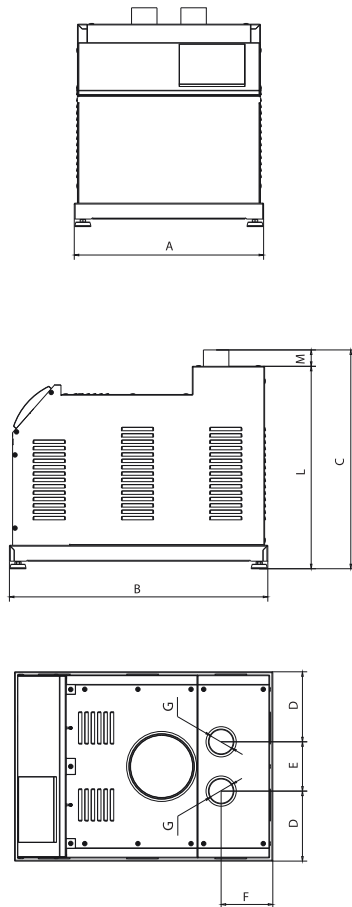
## MEASUREMENTS AND TECHNICAL DATA

The Industrial motors are not equipped with the electronic speed converter and are used in all applications that don't require continuous vacuum power regulation. They represent the basic version of their category. They need control panels and resistive dividers connected to the individual outlets for connection.

The choice of the motors should be made by paying attention to the following parameters:

- Number of simultaneous users
- Dimension of the area to clean/pipe network extent
- Specific vacuum requirements (particular materials, structural and / or operational constraints, etc.), in order to grant maximum durability and performance over time.

In case of doubts, our agents in charge will be able to recommend the best solution for your plant.



Linea Industrial Motor			
Model Article		4 kW	5,5 kW
		3500.3M	3500.5M
Electronic speed converter		NO	NO
Protection degree	IP	20	20
Supply	fasi / V ac	3/400	3/400
Frequency	Hz	50/60	50/60
Motor power	kW	4	5,5
Absorption	A	8,1	11,1
Inlets supply	V dc	12	12
Maximum air flow	m³/h	414	536
Air discharge	SI	SI	SI
Weight kg		79	110
Measurement A	mm	540	595
Measurement B	mm	685	812
Measurement C	mm	560	765
Measurement D	mm	192,5	220
Measurement E	mm	155	155
Measurement F	mm	100	162,5
Measurement G (air in/out)	mm	80	80
Measurement L	mm	510	713
Measurement M	mm	50	52
Noise level under	dB(A)	60 ÷ 80	

**N. B.:** Nominal noise values. Values may vary according to environment and manner in which the unit is installed.

## APPROVALS



IP protection degree



Electrical insulation CLASS I



Industrial Motor line

Device in compliance with the following standards:

EC DIRECTIVES:  
- 2006/42/CE

- 2006/95/CE
- 2004/108/CE

APPLIED HARMONISED STANDARDS :

- EN 60335-1 : 2012
- EN 60335-2-2 : 2010
- EN 61000-3-2 : 2006 + A2 : 2009
- EN 61000-3-3 : 2008
- EN 55014-1 : 2006 + A1 : 2009
- EN 55014-2 : 1997 + A2 : 2008
- EN 62233: 2008

ROHS DIRECTIVE 2002/95

COMPLIANCE TO REACH DIRECTIVES.

**N.B. installation must be carried out in strict compliance with current regulations.**

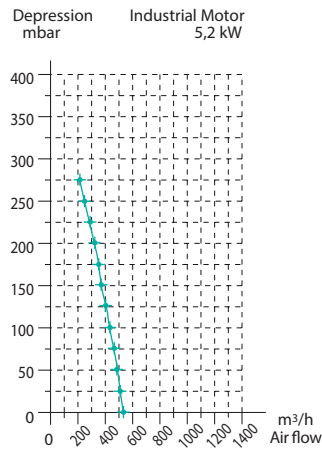
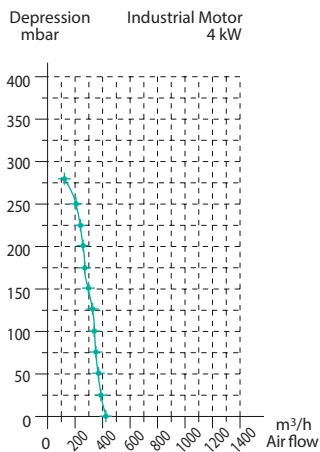
## INSTALLATION HINTS

Blowing motors are equipped with an air discharge connection, in order to expel dust particles that the filter cannot hold. They can be placed in soundproofed technical rooms or utility rooms (for example garages, basements, etc.) to protect the other rooms from noise and to keep them protected from bad weather, humidity and temperature extremes. Keep away from heat sources, such as stoves or radiators. (N.B. IP protection degree 20).

In the design stage, we recommend identification of the best location for the central unit with respect to the system, leaving a reasonable space for installation, use, maintenance, a proper air exchange around the unit and passive acoustic requirements of the building. If the system is installed in a building with several floors, we suggest placing the vacuum unit on the bottom floor.

In case of exposed pipes, to avoid the deposit of dust on the walls close to the pipes caused by static charges, we recommend making the pipe network with metal pipes, connected to the ground.

## PERFORMANCE GRAPHS



## MAINTENANCE AND ASSISTANCE

Programmed routine maintenance of central vacuum units must be made according to the instructions in the technical manual and on the display.

Checking that the electric motor is working correctly and possible air discharge obstructions must be carried out by qualified and/or authorised staff.

For more details, technical information and assistance please visit our web site [sistemair.com](http://sistemair.com)