

# MULL PROFESSIONAL

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## Mull Series

**Professional**

Dust separators by managing computer, connect the motors and adapt the motor speed. With a large dust bin and easy to move ...



# MULL

Mull dust separators are equipped with the computer that can manage the whole industrial vacuum system:

- They manage up to 8 simultaneous motors, all connected to the same separator;
- They can measure the depression of the installation and automatically adapt the motor speed
- They are equipped with the software that manages the Autocleaner system, in order to use it immediately.

The technology has the aim of simplifying use and offering maximum reliability: this, together with design are ongoing commitments from Sydmay.

The result is a product without equal.



## SELECTION TABLE Mull

Motor air flow	MODEL	ARTICLE	Recommended number of users with Ø 32 pipe	Recommended number of users with Ø 40 pipe	Maintenance computer	Dust container capacity (l)	Filtering surface (cm <sup>2</sup> )	Supply V ac
Up to 1200 m <sup>3</sup> /h	Mull	171766	8	4	Yes	106	43400	220/240

## MAIN FEATURES OF THE PRODUCT



Maintenance computer



IP protection degree



Optional automatic filter cleaning



Isolation class 1



CE marking

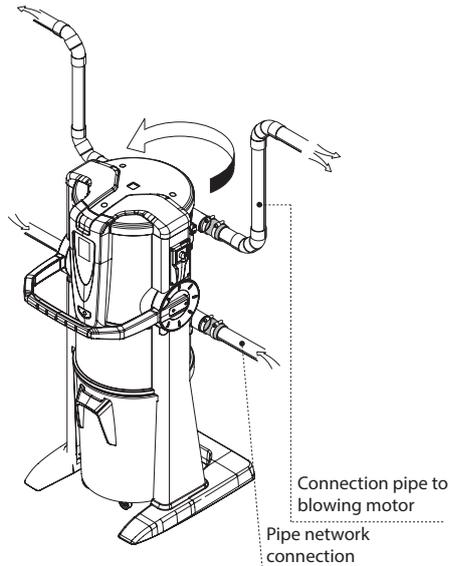


Modular system with no limits

## PIPE CONNECTION

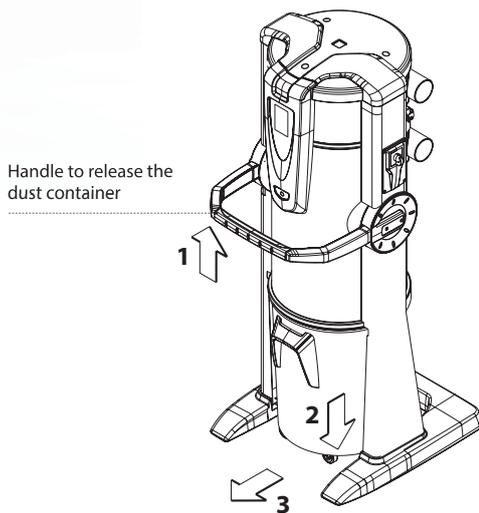
Connections to pipe network and to air expulsion can be made on the left or the right side of the vacuum unit.

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



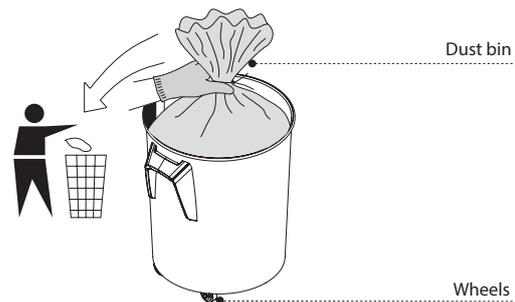
## EASY BIN EMPTYING

Mull dust separators have a dust container with an easy opening system and a soft touch, easy to open handle coated in shockproof material.



## DUST CONTAINER WITH WHEELS

Thanks to its wheels, the dust container can be moved easily



## TECHNICAL FEATURES

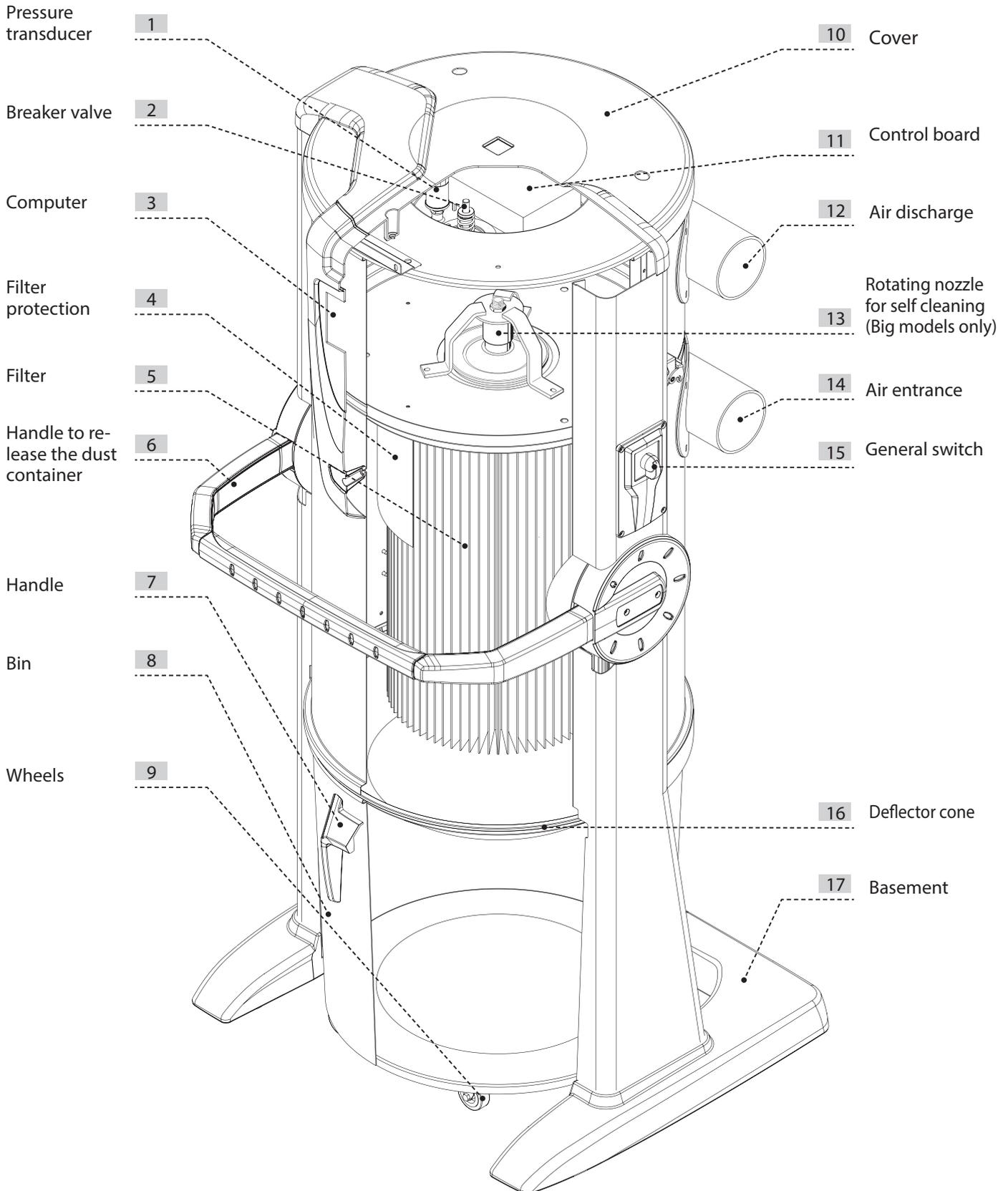
Mull dust separators are designed and produced in conformity with all current regulations and European directives, whilst taking into account functionality, power and capacity.

Main technical characteristics can be listed as follows:

- Single-phase power supply
- Mechanical breaker valve that manages the vacuum flow
- Possible piping connection from the right, or from the left side, independently of each other, for the connection to the vacuum pipes and the blowing motors
- Maintenance computer with touchscreen interface
- Pressure transducer
- Automatic adjustment of vacuum power (Sydmay exclusive)
- Manual selection of the maximum vacuum power
- Metal cylindrical frame painted with epoxy powder
- Base coated with anti-shock material to protect the vacuum unit
- Metal dustbin with wheels (capacity 62/106 litres)
- Bag with bag stretchers inside the dustbin, to dispose of dust quickly and hygienically
- Class M polyester filter, water washable (filtering surface 17000/17800 cm<sup>2</sup>)
- Vacuum inlets supply 12V
- Connection RS485 between Mull separators and blowing motors (Matic models)
- Possibility to combine, even after installation, the automatic filter cleaning system Autocleaner (see page 140)

# MULL

## Mull SECTION

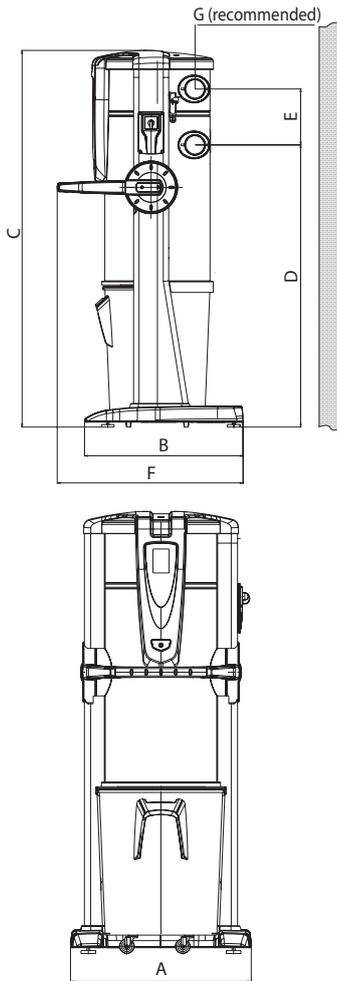


## MEASUREMENT AND TECHNICAL DATA

Mull Small and Mull Big dust separators are suitable for innumerable solutions of use, thanks to their versatility and ability to be matched with the other components of an industrial central vacuum system. Dust containers are available in two high-capacity sizes and can be used in small, or big industrial applications.

The choice must be made according to the total air flow of the motors to which they are matched, the number of users and the updating of the Autocleaner system.

As dust separators are a component of the system, we recommend making a choice after careful global assessments, taking into account the needs and the features of the system, but also the other components required to get a complete vacuum system.



Mull		
Model Article		<b>171766</b>
Maintenance computer		YES
Breaker valve	Ø mm	YES
Protection degree	IP	20
Supply	V ac	220/240
Frequency	Hz	50/60
Filtering surface	cm <sup>2</sup>	43400
Dust bin capacity	l	120
Weight	kg	91
Measure A	mm	750
Measure B	mm	633
Measure C	mm	1670
Measure D	mm	1148
Measure E	mm	281
Measure F	mm	745
Measure G	mm	600
Measure M (air entrance)	mm	100
Measure N (air exhaust)	mm	100

## CERTIFICATIONS

**CE** CE marking

IP protection degree

IP 20

Electrical insulation

CLASS I:



Mull 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.

# BLOWING MOTOR

## Blowing Motor Series

**Professional**

The most powerful motor, no limit for how many users and square meters. Any combine with your image and then clean the world...



# INDUSTRIAL MOTOR Matic models (with inverter)

Industrial Motors of Matic line offer an extraordinary vacuum power in all situations, intelligently supplied thanks to the electronic management of an updated inverter, especially with respect to stability in extreme working conditions.

The new generation blowing motors ensure greater efficiency and safety.



## SELECTION TABLE Industrial Motor Matic

MODEL	ARTICLE	Max number of users
Industrial Blowing Motor M1	<b>181701</b>	1/2
Industrial Blowing Motor M2	<b>181702</b>	2/3
Industrial Blowing Motor M3	<b>181703</b>	3/4
Industrial Blowing Motor M4	<b>181704</b>	5/6

## MAIN FEATURES OF THE PRODUCT



CE marking



Isolation Class 1



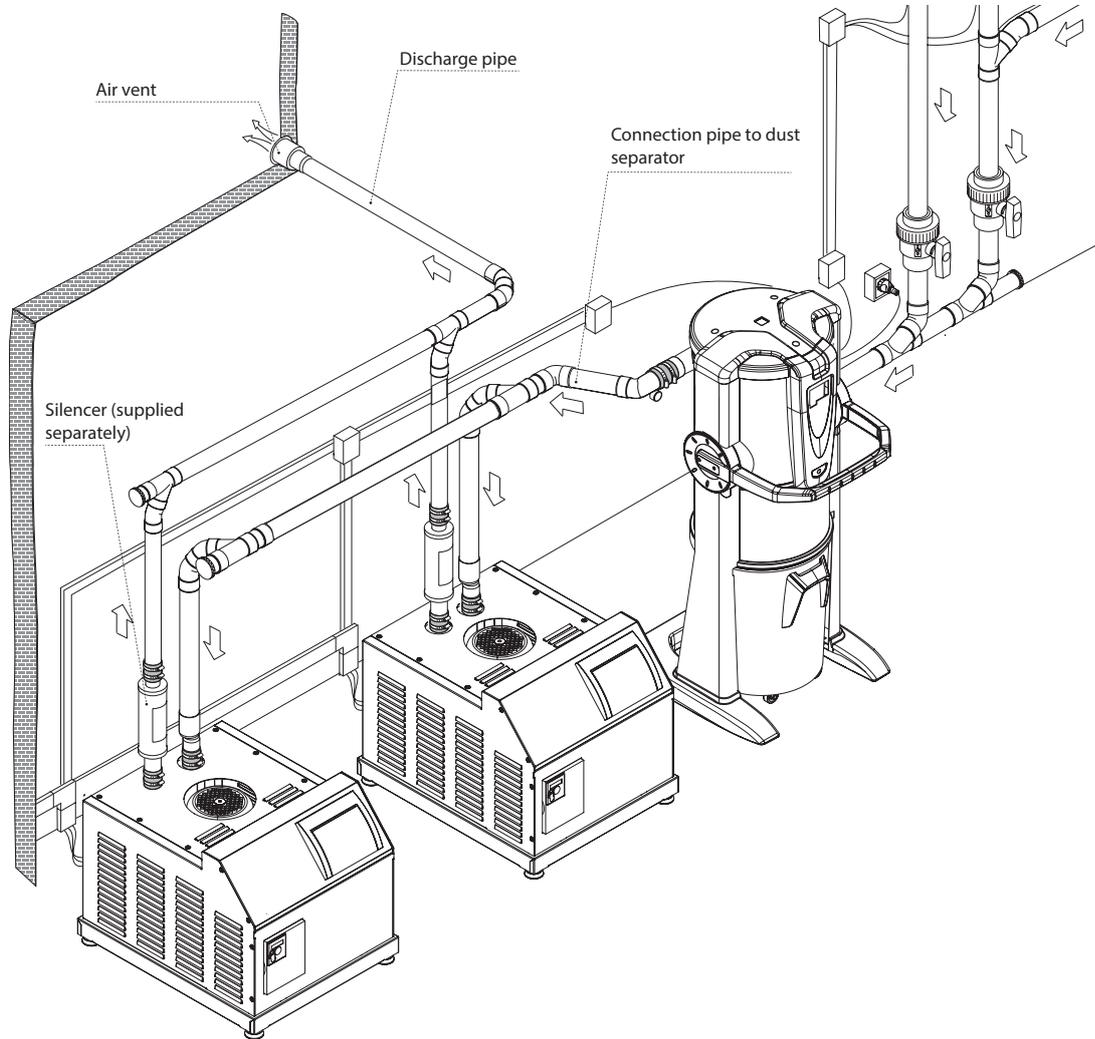
IP protection degree



Max number of simultaneous users - multiple users

## 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.



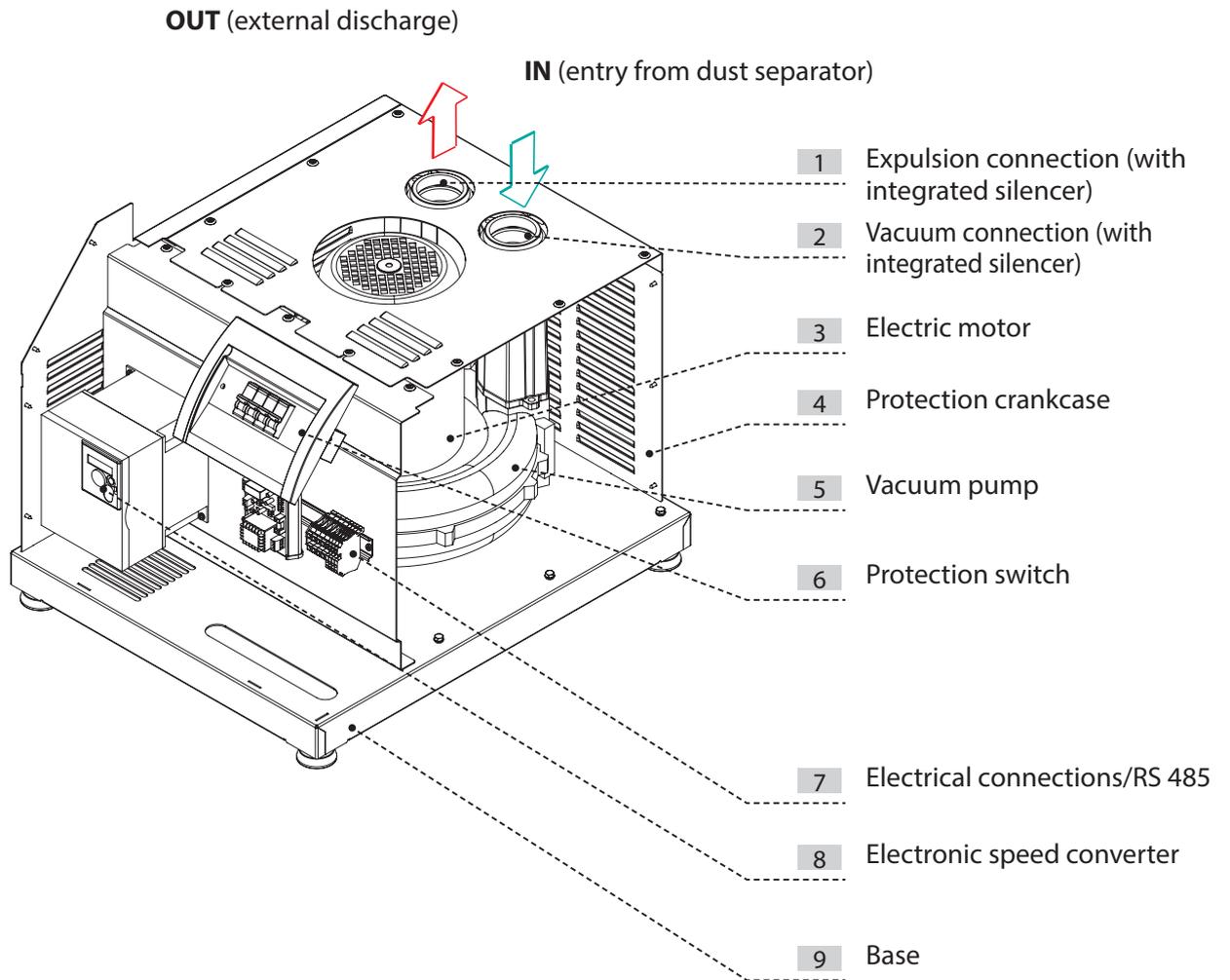
## TECHNICAL FEATURES

Industrial Motors Matic 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 assembly with light alloy case, high-performance and maintenance-free
- PTO thermal protector
- Motor noise level dB(A): from 60 to 80, according to the models and performances
- Electronic speed converter with self-ventilation and safety system to protect the unit. In abnormal operating conditions, the converter switches the vacuum unit off automatically
- General supply 400 V
- Circuit breaker protection on-board of control panel
- Multiple motor installations, with several motors connected to each other
- RS 485 connection between dust separator and blowing motor
- Automatic management of priority starting in case of multiple motors

# INDUSTRIAL MOTOR Matic models (with inverter)

## INDUSTRIAL MOTOR Matic BLOWING MOTOR SECTION



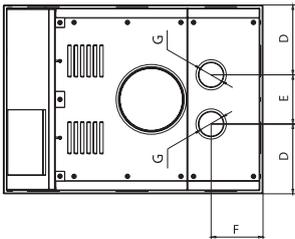
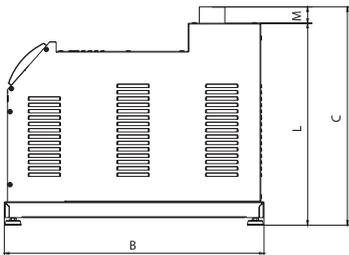
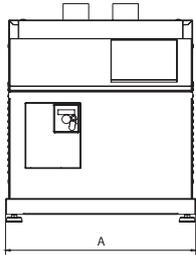
## MEASUREMENTS AND TECHNICAL DATA

Universally appreciated for their power and reliability, the Sydmay blowing motors can satisfy many vacuum requirements in different fields of application. The modularity of the system allows connection of several motors in order to obtain the right balance between performance and fuel consumption. The blowing motor must be combined with the special dust separator (Mull line). The composition of the installation is completely customisable, we recommend consulting the chapter "Getting to the choice of industrial equipment" on page 166.

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 development
- Specific vacuum requirements (particular materials, structural and/or operational constraints, etc.), in order to grant maximum durability and performance over time.

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



Line Industrial Motor					
Model Article		M1	M2	M3	M4
		181701	181702	181703	181704
Electronic speed converter		YES	YES	YES	YES
Protection degree	IP	20	20	20	20
Supply	fasi / V ac	3/400	3/400	3/400	3/400
Frequency	Hz	50	50	50	50
Motor power	kW	2,2	4	5,5	7,5
Absorption	A	4,6	8,1	11,1	15,7
Inlets supply	V dc	12	12	12	12
Maximum air flow	m³/h	366	471	740	914
Air discharge		YES	YES	YES	YES
Weight kg		68	81	100	125
Measurement A	mm	540	540	595	595
Measurement B	mm	660	660	812	812
Measurement C	mm	513	513	688	767
Measurement D	mm	207,5	207,5	220	206,5
Measurement E	mm	125	125	155	182
Measurement F	mm	108	108	162,5	130
Measurement G (air in/out)	mm	60	60	80	101,6
Measurement L	mm	507	507	636	715
Measurement M	mm	50	50	52	52
Noise level under	dB(A)	60 ÷ 80			

**N. B: 1).** Nominal noise values. Values may vary according to environment and manner in which the unit is installed

**N. B: 2).** The power in KW of motors is related to 50 Hz Frequency.

**N. B: 3).** On customer request 11 KW blowing motor is available.

## CERTIFICATIONS



CE marking

IP protection degree



Electrical insulation

CLASS I



Industrial Motor Matic – Blowing motors

Device in compliance with the following standards:

EC DIRECTIVES:

- 2006/42/CE
- 2006/95/CE

- 2004/108/CE

ROHS DIRECTIVE 2002/95

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

ROHS DIRECTIVE 2002/95

COMPLIANCE TO REACH DIRECTIVES.

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