

## ECONOMY

# Economy Series

**Domestic**

High Airwatt and quiet central vacuum unit, standard switch on/off the unit and economy using in each projects. Elegent design and top qualit on the market...



# ECONOMY

Economy vacuum units have been produced to satisfy the needs of customers for a product without computer display, characterized by same quality, selected materials and careful assembly of Advance series.

The standard version of the central unit has an integrated service inlet in the body.

## ■ INSTALLATION AREA

**Economy** vacuum units can be installed in residential buildings with the following features:

- Surfaces between 300 and 500 m<sup>2</sup>
- Suitable for 1 user
- Pipe network Ø 50 mm/Ø 2"
- 220/240 Vac supply
- Non-continuous use for household dust vacuum
- Air exhaust to the outside
- It can be installed in utility rooms, service rooms and basements.



## ■ ECONOMY SELECTION TABLE

MODEL	Recommended surfaces	ARTICLE	Recommended vacuum inlets	Number of users
Economy 300	300 m <sup>2</sup>	121711	8	1
Economy 500	500 m <sup>2</sup>	121712	18	1
Economy 600	600 m <sup>2</sup>	121713	24	1

## ■ MAIN FEATURES OF THE PRODUCT



Integrated inlet



IP protection degree



Energy saving vacuum unit



Isolation class 2



Soft Start device



Max number of users

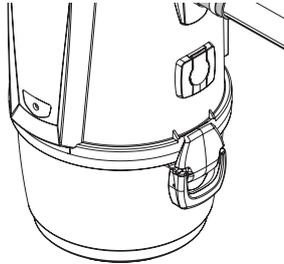


CE marking

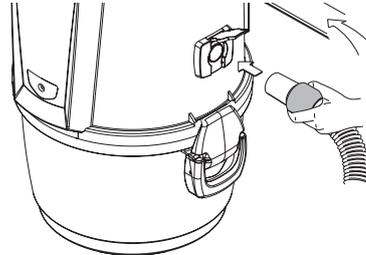
## PRODUCT SPECIFICS

### 1 - Integrated service inlet

The vacuum units with standard body have a useful service inlet on board that can be used to clean surfaces and objects near the central vacuum unit.

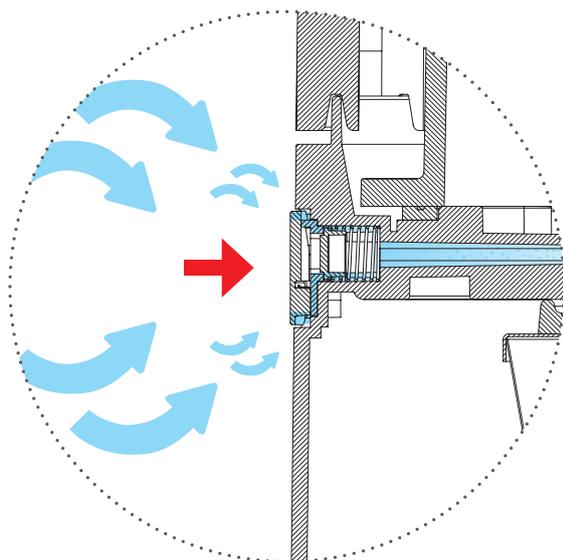


To use the service inlet, just insert the vacuum hose, without a micro-line connection.

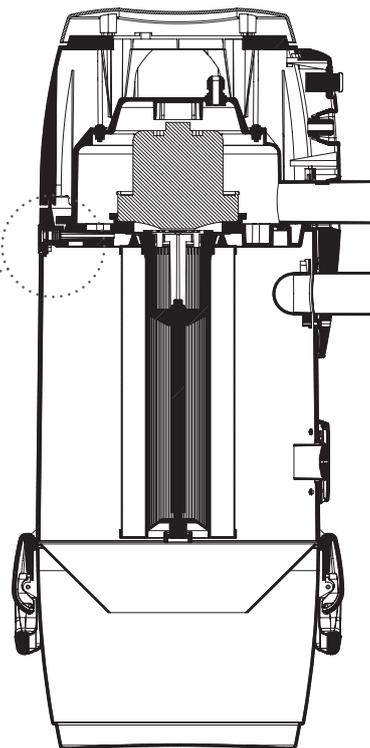


### 2 - Breaker valve

On Economy vacuum units there is a breaker valve that allows air to enter inside the motor when the air inlet is closed, to avoid the motor operating in critical conditions. It opens automatically and facilitates the work of the thermal protection.



The valve opens automatically and facilitates the air flow to the motor.  
Ripetizione? Yes repetition of Chapter 1



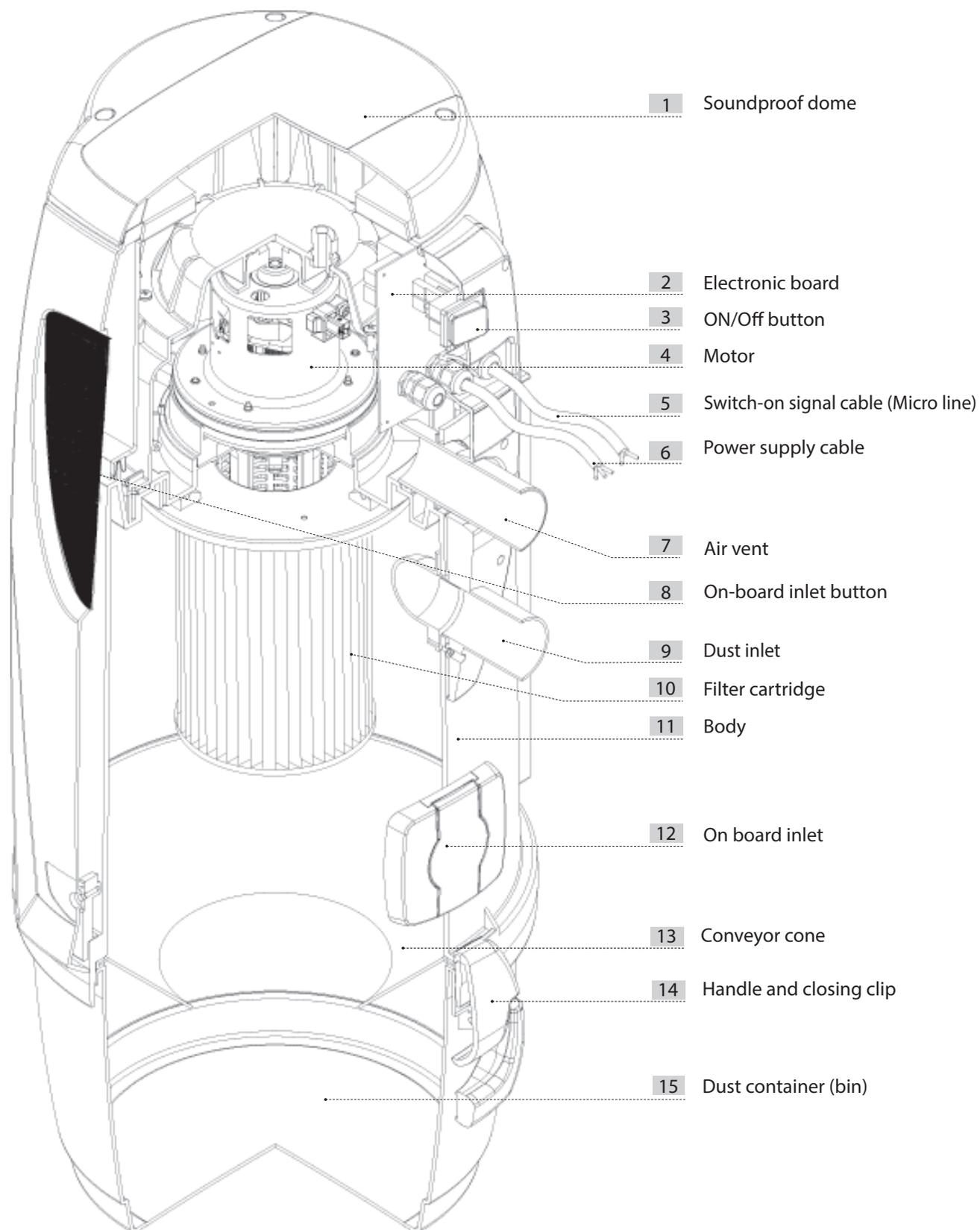
### 3 -ENERGY SAVING

The complete range of our domestic vacuum units has new high efficiency motors with high performance. As a result there is now a **reduction in energy consumption**.



# ECONOMY

## SEZIONE CENTRALE Economy

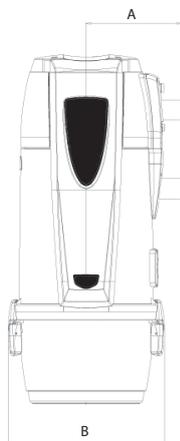
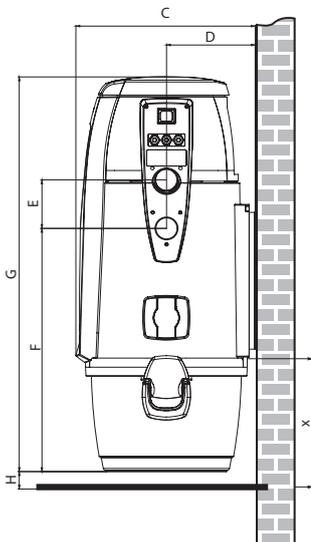


## MEASUREMENTS AND TECHNICAL DATA ECONOMY

Domestic vacuum units can be used by 1 user.

We recommend choosing the unit according to the surface area to be cleaned, in order to ensure long life and best performance over time.

Other selection criteria are the size of the central unit, the capacity of the dustbin and the filtering surface of the filter.



Economy		ECONOMY 300	ECONOMY 500	ECONOMY 600
Model Article		121711	121712	121713
On board inlet		YES	YES	YES
Air inlet/air discharge	Ø mm	50	50	50
Protection degree	IP	44	44	44
Supply	V ac	220/240	220/240	220/240
Frequency	Hz	50/60	50/60	50/60
Motor power	kW	1,7	2,0	2,2
Absorption	A	7,6	9,8	10,2
Vacuum inlets supply	V dc	12	12	12
Maximum air flow	m <sup>3</sup> /h	245	260	275
Maximum Depression	mbar	325	350	360
Airwatt		615	700	720
Filtering surface	cm <sup>2</sup>	7800	7800	7800
Dust container capacity	l	30	30	30
Air discharge silencer (Ø 50 mm)		YES	YES	YES
Weight	kg	17	18	18
Measurement A	mm	230	230	230
Measurement B	mm	370	370	370
Measurement C	mm	380	380	380
Measurement D	mm	185	185	185
Measurement E	mm	108	108	108
Measurement F	mm	585	585	585
Measurement G	mm	915	915	915
Measurement H (min.)	mm	100	100	100
Measurement X (min.)	mm	500	500	500
Noise lever lower than	dB(A)	60	61	62

**N. B.:** levels of nominal noise. Levels can vary according to the environment where the unit is installed and the kind of installation.

## CERTIFICATIONS

IP protection degree



Electrical insulation Class



CLASSE II

Economy Line

**Device in compliance with the following standards:**

EC DIRECTIVES:

- 2006/42/CE
- 2006/95/CE
- 2004/108/CE

APPLIED HARMONIZED 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 the regulations in force.

# ECONOMY

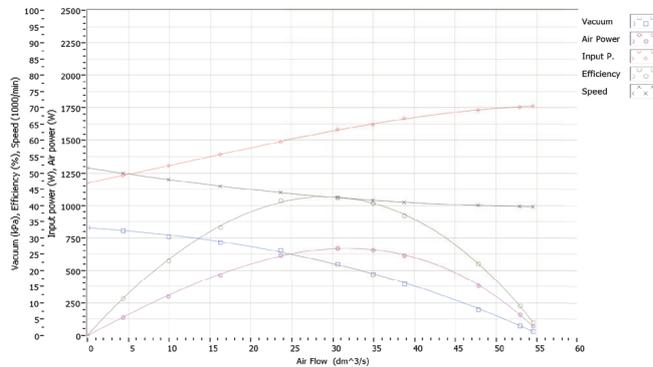
## TECHNICAL FEATURES

The central vacuum cleaners of the Economy series are made of plastic materials, polypropylene and ABS, such as to give strength and durability to the structure, with a pleasant aesthetic line. They are designed and produced in conformity with all regulations in force and European directives but also take into account functionality, power and capacity.

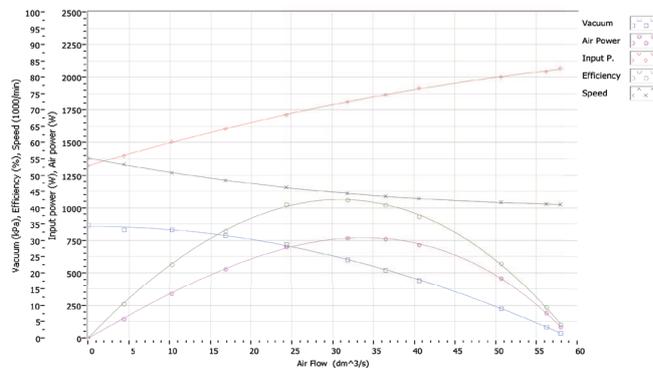
Additional features:

- Self-supporting cylindrical polypropylene body.
- Protection and covering in Polypropylene and ABS.
- Polypropylene dust collector with handles in nylon PA6 (capacity l 21).
- Soundproof motor compartment (noise level under 70 dB A);
- Possible connection of pipes from the left or from the right;
- Motor assembly with electric single phase motors with specific brushes for vacuum units (see all models);
- Breaker valve to protect the motor
- Filter cartridge certified class M, in polyester, washable with water.
- Double protection electric control board, with fuse block switches both on the main and secondary circuit.
- Soft Start system integrated in the microprocessor board, specific for vacuum systems, with current control.
- safety temperature sensor which protects the motor with automatic stop and start
- Vacuum inlets supply 12 V
- Option of connecting a remote wall panel that can be installed with all vacuum units
- The vacuum unit is supplied with silencer and sleeves for pipe connection.
- Suitable to be used with all Sydmay accessories.

## PERFORMANCE GRAPHS



Economy 300



Economy 500

## INSTALLATION

The vacuum units have a connection with the air discharge, in order to expel dust particles that the filter cannot hold. They can be placed in technical rooms, basements, under the stairs, utility rooms... Thanks to IP44 insulation level it is possible to install them in the open air, such as balconies protected from bad weather.

We recommend, in the design phase, to identify the best location for the central unit with respect to the system, leaving a reasonable space for installation, use and maintenance.

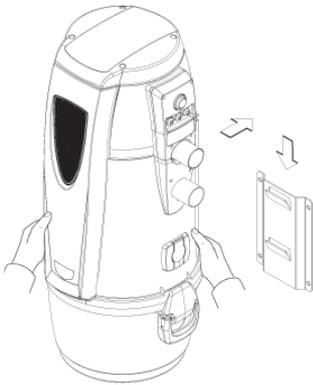
If the system is installed on many floors, we recommend locating the vacuum unit on the bottom floor.

When the vacuum cleaner, for specific installation needs, is installed on the highest floors of the building with regard to the level where the pipe network is housed (attic, garret etc.), we suggest installation of a vacuum cleaner featuring a power category higher than the one needed to clean the desired surface. For any further information, do not hesitate to contact the Manufacturer's Technical Service.

## FISSAGGIO DELLA CENTRALE

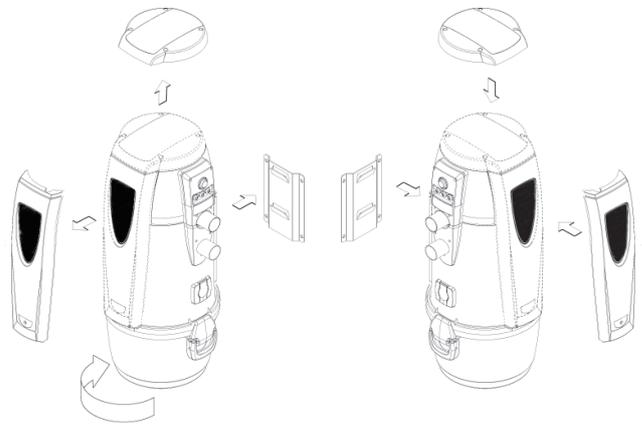
The vacuum cleaner must be securely and permanently fixed to a solid wall using the bracket provided and the suitable wall anchors or plugs, taking into account that the total weight to be supported can be significantly heavier than the vacuum unit itself (see technical data).

**N.B.: The vacuum unit should be positioned high enough off the ground to allow the dust collection bin to be emptied and the filter to be replaced in a simple way (at least 10 cm).**



## REVERSIBLE CONNECTIONS

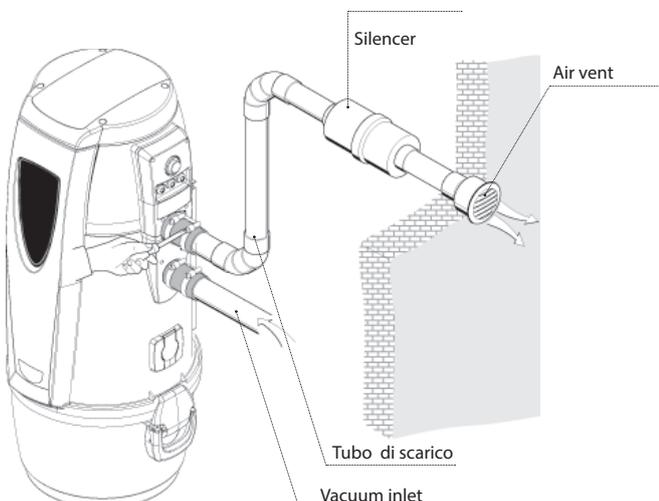
All Tecno R-evolution vacuum units can be **connected to the pipe network both from the right or from the left**. Modification is simple and fast.



## PIPE CONNECTION

The Economy vacuum units are supplied with silencer Ø 50 mm, sleeves and hose clamps for pipe connection.

**WARNING: if the discharge pipe is longer than 5 meters it is necessary to realize it with a bigger diameter (ex. 63 mm) in order to reach the optimal conditions for air expulsion.**



# Konkav Wang Series

**Domestic**

High Airwatt and quiet central vacuum unit, built-in to the building or hang-on the wall with two options. Revolutionary design and top quality on the market...