



Heavy Vac

**Industrial vacuum cleaners  
powerful, versatile and easy to manage**



nuove aspirazioni  
*new vacuums, new ambitions*

# HEAVY VAC

HEAVY DUTY INDUSTRIAL MACHINES

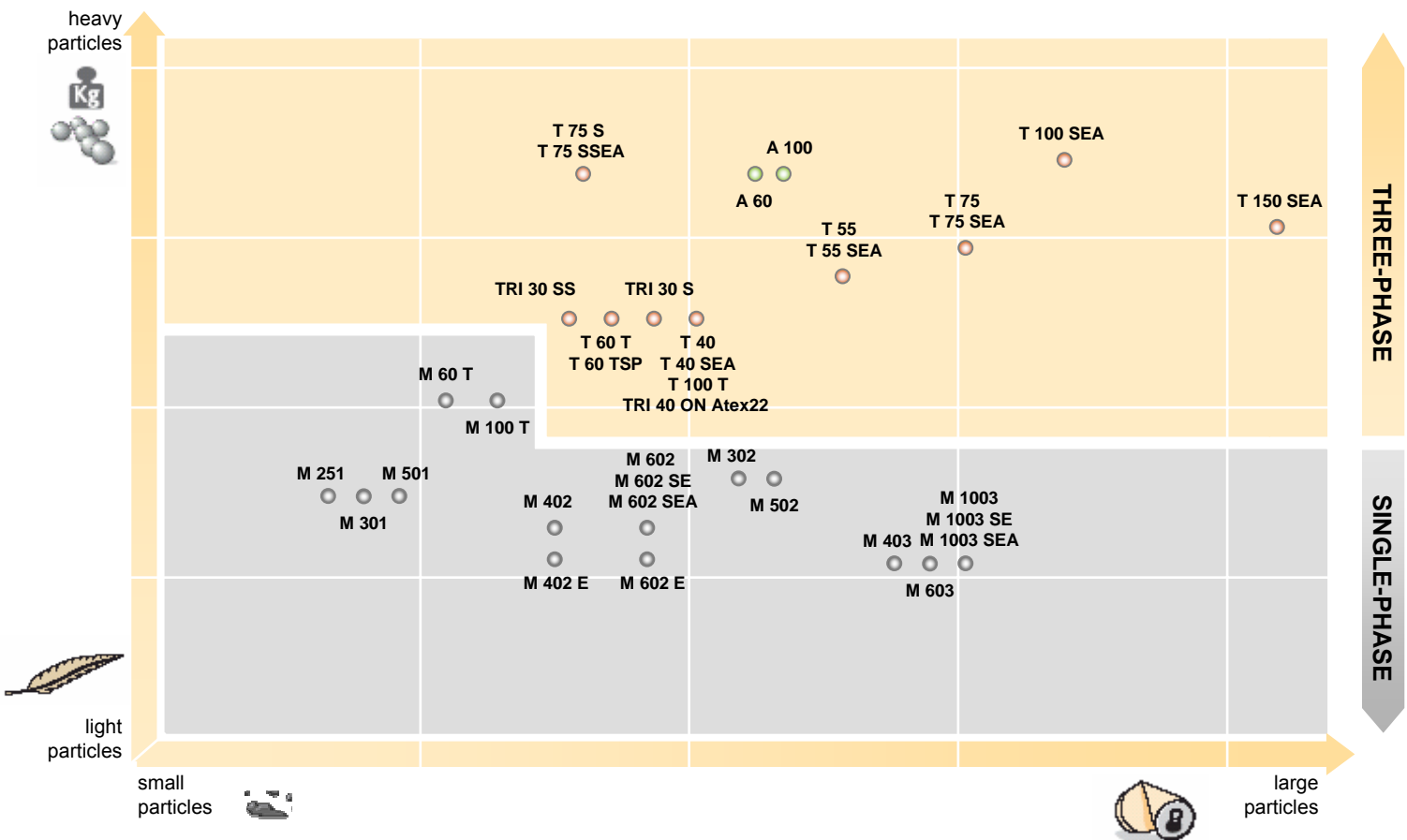
## Heavy Vac: TMB's industrial vacuum cleaners. Innovative and functional, they help you to solve any vacuuming requirements in the industrial environment

The TMB industrial vacuum cleaners are a complete line of mobile devices able to suck in both small and large quantities of liquids and solids. They have been designed for particularly taxing operations as well, allowing the intake material to be quickly emptied.

Easy to handle, powerful, quiet, with single or three-phase power supply, these vacuum cleaners are the ideal equipment for removing dusts, solids or liquids in every situation. The vast range of accessories allows you to customise each single vacuum cleaner, adapting it to even the most difficult suction needs.

The table below guides the user in choosing the most suitable unit model for his own specific requirements. It's clear that for intermittent operations, a single-phase vacuum cleaner is suggested; for the continuous removal of heavier dirt however, or where greater power is necessary in order to reduce the work times, the use of a three-phase model is recommended. In addition, it's very important to identify the precise model suitable for the type of suction required. TMB gives you a choice of models that remove dust only, or those that can handle dust and liquids simultaneously

Table for choosing the industrial vacuum cleaner that's most suitable for your need



KEY WORDS:



Dust



Liquids



230-240

Voltage



Aria

Compressed air feeding



## M 251



It is a single-phase vacuum cleaner suitable for using on light dusts. The capacity of the wheeled tank, along with the dimensions of the filter and external filter shaker, make this the most compact model of the family of industrial vacuum cleaners, despite using the same accessories (40 mm diameter) as the line of commercial vacuum cleaners.

## M 301/302 - M 501/502



These are single-phase vacuum cleaners suitable for using on light dusts.

They have a sturdy yet light frame that makes them easy to move. Available with one or two motors. Depending on your particular suction requirements, you can choose a model with 30 or 50 liters capacity tank.

## M 402/403 - M 402 E



These are single-phase vacuum cleaners suitable for using on medium-heavy dusts.

The container capacity of 40 liters is recommended when the dust particles are not large.

These vacuum cleaners have a particularly sturdy frame, a suction hose in-let with a diameter of 70mm, and a filter with a surface of 19.500 cm<sup>2</sup>.

They are especially suitable for environments where only a single-phase voltage is available. Depending on the required use, you can choose between the 2 or 3 motors version. A wide frontal squeegee can be installed for operations on wide floors. Upon request, filters in class M, H, antistatic and heatproof can be installed. Model M 402 E has the plastic lid of filter chamber instead of iron one, but it has the same performances of model M 402.



## M 602/603/1003 - M 602 E

These are single-phase vacuum cleaners for dusts and liquids; thanks to their sturdiness, mobility and performances they are the "Best Sellers" of the entire range, and can be used in applications that demand the most from a single-phase unit. It is possible to choose between 60 and 100 liters wheeled tanks, 2 or 3 motors, and, upon request, mechanical and/or electronic floats are available to remove liquids with absolute safety. Upon request, filters in class M, H, antistatic and heatproof can be installed. Model M 602 E, has the plastic lid of filter chamber instead of iron one and a lighter chassis, but it has the same performances of model M 602.



M 251

M 301/302

M 501/502

M 402/403

M 602/603

M 402/602 E



## M 602/1003 SE/SEA



These are single-phase vacuum cleaners for dusts and liquids; they are characterized by the possibility of greater control of the outlet air, and greater practicality during maintenance operations.

In addition to models M 602 and M 1003, the SE version models have an electric filter shaker operated by a handy button, while the SEA version models are fitted with a sophisticated filter cleaning system.

Versions with automatic electric filter shaker (SEA) have the following features always active:

### Automatic mode

When the filter becomes less efficient, motors operation is automatically interrupted and a 20 seconds filter cleaning cycle begins. When the cycle has ended, the motors will restart automatically.

### Semi-automatic mode

Every time all the motors are switched off, a 20 seconds filter cleaning cycle begins automatically.

Or, when needed, operator can choose the:

### Manual mode

With the motors switched on, pressing the shaker button motors automatically switch off and a 20 seconds filter cleaning cycle begins. When the cycle has ended, the motors will restart automatically.

Upon request, filters in class M, antistatic, heatproof, H, and a mechanical/electronic float can be installed on these suction units. In addition, HEPA cartridge filters can be installed, upon request, for the inlet air, the outlet air, and the motor cooling air. Essential units for removing micro-dusts.

## M 60/100 T



These are single-phase suction units with turbine, essential for continuous cleaning operations involving dust, flours, chips of every type and liquids of varying densities. You can choose the 60 or 100 liters version.

The vertical form allows these suction units to be used even in reduced spaces where a powerful, continuous suction is required. They are also extremely easy to move. The turbine with silencer guarantees a good acoustic level. Upon request, filters in class M, H, antistatic, heatproof, and a mechanical/electronic float can be installed.



M 1003



M 602/1003 SE



M 602/1003 SEA



M 60/100 T



## TRI 30 S/SS



Three-phase industrial vacuum cleaners that are powerful yet easy to move, for applications requiring frequent movements in reduced spaces. They are fitted with a three-phase co-axial turbine in aluminium. Reliable, and designed for continuous heavy-duty use, they are recommended for car washes and for ceramic, chemical, mechanical and textile sectors. They are ideal for removing dust, flours, chips and liquids of varying densities. The SS version is fitted with a radial filter as standard, and is referred to as a vacuum cleaner for dusts, while the S version can work on both dusts and liquids. Upon request, class M and heatproof filters can be installed on both models.

## T 60/100 T



These are three-phase vacuum cleaners with a sturdy frame; thanks to the good depression values and air flow rates, they can be used for several applications.

By adding the radial filter of 19.500 cm<sup>2</sup>, the cyclonic cone and the tangential hose in-let, they can work on dusts and/or liquids with an high power level guaranteed by the positioning of the turbine in direct contact with the filtering system.

They are highly reliable and have been designed for continuous heavy-duty use: they are recommended for the agro-industrial, ceramic, chemical, mechanical and textile sectors. Their vertical form allows them to be easily moved, even in reduced spaces.

You can choose the 60 or 100 liters wheeled tank version.

## TRI 40 ON/Atex22



This is a certified vacuum cleaner for use in areas where the maximum operating safety is required. It has been designed to work on dust with a potentially low explosion risk (potentially explosive areas classified as Zone 22).

They can therefore be used for cleaning ovens, in the chemical/pharmaceutical sector, in mills, etc.



TRI 30 S

TRI 30 SS

T 60/100 T

TRI 40 ON/Atex22



## T 40/55/75/75 S - T 40/55/75/75 S SEA



These are very powerful three-phase vacuum cleaners with the turbine installed in a rear compartment. Their considerable size does not facilitate movements so they are best suited to environments where they can be used in a fixed position. They have been designed with a particularly sturdy frame that makes them remarkably solid. The material sucked in by the cyclonic effect tends to deposit on the floor of the tank, while the finer dust particles contained in the mixture settle on the filtering surface that captures them. Despite having the same power characteristics, models T 75 and T 75 S are targeted at different types of use; in particular, model T 75 has an high air flow rate so accessories with a large diameter can be used on it, while model T 75 S has a notable depression so it is ideal for especially heavy-duty residues.

The SEA versions have the same performance levels and the same characteristics as the normal models, but they are fitted with an especially attentive filter cleaning system.

Versions with automatic electric filter shaker (SEA) have the following feature always active:

### Automatic mode

After every 20 minutes of uninterrupted operation, the device stops automatically and a 20 seconds cleaning cycle begins. When the cycle has ended, the device will restart automatically.

Or, when needed, operator can choose the:

### Manual mode

With turbine switched on, pressing the filter shaker button turbine automatically switches off and a 20 seconds filter cleaning cycle begins. When the cycle has ended, turbine will restart automatically.



## T 60 TSP

This is a vacuum cleaner designed for use on large quantities of very fine dust (e.g. cement) that tends to clog the filters in a short time. A wide surface cartridge and a pneumatic filter blower guarantee an excellent working autonomy.



## T 100/150 SEA

These are vacuum cleaners used for applications requiring top performance levels on large quantities of material and residues. The considerable dimensions mean that these units should be used in a fixed position, or at least with very limited movements. 7 filtering cartridges guarantee an overall suction surface of 85,000 cm<sup>2</sup>, while the vibrating filter shaker system ensures fully cleaned filters. The tangential hose in-let, with its large diameter (120mm), creates the ideal conditions for working with a separate dust collector (separator). In this way, it is possible to take in large quantities of dirt while notably increasing the work productivity and halving the working time



## A 60/100

These compressed air vacuum cleaners are used in environments where electrical power is not available or not suggested (potentially explosive zones). These units show an excellent water lift rate and a good air flow level.



T 40/55/75/75 S - T 40/55/75/75 S SEA

T 60 TSP

T 100/150 SEA

A 60/100

## The plus factors that characterize industrial vacuum cleaners

All the models are fitted with:

- **A manual, electric or pneumatic filter shaker\***



Filter shaker is important to facilitate the cleaning of the filtering apparatus without opening the vacuum cleaner. Apart from the models fitted with a manual shaker, there are also those with an electric one (SE version) and others with an automatic electric shaker (SEA version). With this function, by setting the shaker cleaning in automatic mode the vacuum cleaner carries out the operation autonomously, so there is no need to continuously check the operation.

- **Cyclone cone\*\***



This is fundamental for reducing the work time, allowing to pass from the suction of liquids to solids, or both types simultaneously (e.g. when removing machining residues where liquid refrigerants are also present).

- **Tangential hose inlet\*\*\***



This feature improves suction quality and the lifespan of the filter, extending its working life and safeguarding it from both damage and obstruction.

- **Releasable wheeled tank\*\*\*\***



Its ergonomics and easy-to-use form facilitate the moving and emptying of the recovery tank

- **Wide-surface star filter\***



The use of wide-surface star filters, combined with the effectiveness of the shaker system, reduces work interruptions; this means the operator's productivity level is increased. For certain vacuum cleaner models, the filters can also be supplied in M, antistatic, heatproof and HEPA versions upon request.

- **Mechanical float**



Available upon request, as an optional; easy to install. Characterized by its ease of use when removing liquids, and also ensures the maximum reliability and safety for the operator, interrupting suction at the highest permitted level and therefore safeguarding the suction motor.

\* apart from model TRI 30S- \*\* apart from models M 251, TRI 30 S, T 60 TSP - \*\*\* apart from models M 251, TRI 30 S, TRI 30 SS, TRI 40 ON/Atex22 - \*\*\*\* apart from models TRI 30 S, TRI 30 SS only releasable

The TMB vacuum cleaners are produced as standard with painted tanks(apart from models M 251, M 301, M 302, M 501, M 502, TRI 30 S, TRI 30 SS, TRI 40 ON Atex22, T 60 TSP), but a stainless steel version is available upon request.

## Standard accessories available upon request

**STANDARD KIT Ø40**



**EXTRA KIT Ø40**



**STANDARD KIT Ø50**



**EXTRA KIT Ø50**



**ANTISTATIC KIT Ø40**



**ANTISTATIC KIT Ø50**



**STANDARD KIT FOR OVENS Ø40**



**EXTRA KIT FOR OVENS Ø40**



