



## Sports Groundskeeping



All Clear.



## 50+ years of experience in 50+ countries

TRILO sells its products worldwide and has a dealer network across Europe. This network ensures a quick and efficient distribution of machines and parts. Our local dealers are at your service to answer questions on machines or to demonstrate a product.

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# High quality equipment with a personal touch

TRILO is the leading brand and biggest pride of parent company Vanmac BV. TRILO provides solutions for daily, time-consuming jobs, such as grass cutting, collecting grass, leaves and debris and removing them from the work site.

**“TRILO’s mission is to design, manufacture and market sustainable and innovative equipment for the management and maintenance of landscapes and infrastructure”**

## Family business

The brand name TRILO was used for the first time in the 1970’s. The Van Loen family started building and marketing the vacuum sweepers they developed in the 1960’s more and more professionally and they needed a brand name: TRILO. The name originates from the trio Van Loen, named after the 3 brothers: Louis, Cees and Leo van Loen.

In 2008, Peter van Mispelaar and Leo van Loen (jr) founded Vanmac BV, the company that became the parent company of TRILO in 2009. TRILO has evolved from being a part of the company into one of the pillars of Vanmac BV. A brand that is continually being updated and improved to offer you the best possible solutions for your business.

## Spare parts

The global footprint of TRILO is established in over 40 countries and is expanding. Serving each customer and distributor with equal attention requires the constant implementation of state of the art processes. Our online “Webshop” provides for 24/7 ordering of spare parts and delivery tracking. Online orders are processed within 24 hours and delivered global by preferred carriers.





## You can do more with a TRILO machine

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TRILO machines are well-known for their excellent quality and versatility. Every TRILO machine is designed, developed and manufactured with the greatest possible care in our own factory. You can choose a large number of options which make the machines suitable for all kinds of tasks, so that they can be used throughout the year for a wide range of activities. TRILO machines will do their work under the most severe weather conditions. Rain or dew are no problem and they will continue to perform whatever the circumstances. All our vacuum sweepers and collectors have powerful impellers with great suction power. This means you can adjust the height of the brush and prevent unnecessary damage to the grass. The powerful impeller will blow all grass, scarified material or leaves well-spread into the container to form a compact mass. You need not unload until the container is completely filled. Another big advantage of the huge suction power is that you can work with a higher speed when sweeping, so with a TRILO machine the work goes faster. With an optional suction hose, a TRILO can be used to clear leaves around the clubhouse or in the parking lot. Not only will a TRILO machine pay for itself by working more efficiently and faster, but also by its sustainability, high quality and ease of maintenance.

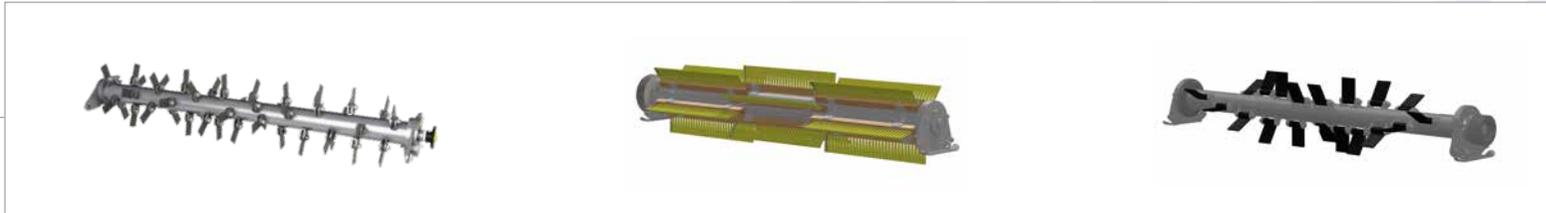




## M-Series Multi-purpose vacuum sweepers

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With the M-series (3 t/m 20 m<sup>3</sup>), TRILO offers the best and most multifunctional vacuum sweepers available. The M-serie vacuum sweepers can be used all year round for various activities. By simply changing the working shaft, you can make the vacuum truck suitable for a different task, for example mowing, verti-cutting or sweeping and collecting in one pass. Compact M-serie vacuum sweepers are equipped with a hand-operated suction hose with a total length of 6 metres. It allows you to effortlessly vacuum and remove waste materials from hard-to-reach places.



- With a verti-cutting shaft you can verti-cut and collect in one pass.
- For sweeping and collecting different types of waste materials such as leaves, grass clippings, verti-cutting residues but even solid waste, there is a brush shaft.
- There is a wide choice of several mowing axes. There are both mowing shafts for fine work, such as for mowing lawns, but also heavy flail shafts for tougher conditions. These work axes are very suitable for mowing roadsides or fallow areas with dense vegetation.
- TRILO vacuum sweepers can also be equipped with a combi-axle that allows you to verti-cut and mow and collect at the same time.

## Do more all year round with TRILO S-Series

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## M3



- Sweep, verti-cut or mow in one pass.
- Large tires for low ground pressure.
- Adjustable air outlet.
- High working speed.
- Can be configured online according to your needs.
- Powered by power take-off (PTO).
- Equipped with hand-held suction hose 6 m Ø 250 mm.
- Can be used all year round for various tasks.
- Optional multiple work axes available.
- Operated by one man.
- 1.6 m high tipper.
- European type approval.
- Working width: 1.5 m.



## M3 Compact multifunctional vacuum sweepers

### For sweeping, verticutting or mowing and collecting on sports facilities with suctionhose

The compact TRILO M3 vacuum sweepers have the ideal dimensions for use on and around sports facilities. Due to its compact dimensions, the M3 vacuum truck is easy to maneuver and can be used when working around obstacles. Multifunctional vacuum sweepers with load capacity of 3 m<sup>3</sup>, which are ideal for tasks such as sweeping up and collecting different types of waste materials. These machines effortlessly clear up leaves, verticutting or pruning residues, grass clippings and even litter. Different types of mowing shafts and a verticutting shaft are available. This option of simple shaft changeability makes the M3 a multifunctional machine with a broad range of applications on sports facilities. The manually-operated suction hose allows the operator to remove waste material even from places that are very difficult to access. The powerful fan provides enormous suction power. It is mounted in a housing fitted with replaceable wear plates. The fan is driven by a power take-off shaft connected to the tractor and requires 35 - 60 hp (26 - 44 kW) of available power. The vented airflow can now be adjusted optimally using the adjustable end of the dust cap. With an M3, you can now control the air discharge direction. You can get started right away wherever you want because the TRILO M3 now has a type approval for transport on public roads.





## M4



- Sweep, verti-cut or mow and collect in one pass.
- Large radial tires for low ground pressure.
- High working speed.
- Can be configured online according to your needs.
- Powered by power take-off (PTO).
- Equipped with hand-held suction hose 6 m Ø 200 mm.
- Can be used all year round for various tasks.
- Optional multiple work axes available.
- Operated by one man.
- 2.15 m high tipper.
- European type approval.
- Mowing and scarifying working width: 1.8 - 2.1 m.
- Sweeping working width: 2.1 - 2.4 m.



## M4 Compact multi-purpose vacuum sweepers

### For sweeping, verticutting and collecting on sports facilities with suctionhose

The M4 can be delivered with a brush shaft for sweeping and collecting different types of waste materials. For example, it will allow easy and efficient removal of grass clippings, verticutting residue, and leaves, but also litter from your sports facility. Simply changing the working shaft offers different functionality, e.g., with a verticutting version mounted, you can also verticut and collect the residue in a single run. And the optional manually-operated suction hose, with a 6 m working range, allows you to keep the entire sports complex clean, even the spots that are most difficult to access. So, you can use these multi-purpose vacuum sweepers all year round for a broad range of tasks. The impeller is driven by a power take-off shaft connected to the tractor and requires 35 - 60 hp (26 - 44 kW) of available power. You can get started right away wherever you want because the TRILO S3 now has a type approval for transport on public roads.



## S3



- Sweeping and collecting in one pass.
- EU Type approval.
- Adjustable air outlet.
- Large tyres for low ground pressure.
- High working speed.
- Driven by PTO drive shaft.
- Optional wander hose of 6 m Ø 200 mm.
- Usable all year round for several jobs.
- Can be operated by one person.
- Several shafts available as options.
- 1.6 m high-tipping bin.



## S3 Compact sweep and collect vacuum sweeper

### For sweeping and collecting on sports grounds

Compact and maneuverable vacuum sweepers with a loading capacity of 3 m<sup>3</sup> that you can use to sweep and collect leaves and/or litter. A powerful fan ensures enormous suction power and is mounted in a housing fitted with a replaceable lining. The fan is driven by a PTO drive shaft attached to the tractor and requires an output of 35 – 70 hp (26 – 51 kW). Because the shaft in the suction hood is exchangeable, compact vacuum sweepers can be configured for several jobs. Optionally, the compact vacuum sweepers can be equipped with a wander hose to allow vacuuming materials from hard-to-reach places. You can get started right away wherever you want because the TRILO S3 now has a type approval for transport on public roads. The TRILO S3 has a new look and now looks even sleeker. The vented airflow can now be adjusted optimally using the adjustable end of the dust cap. You can now control the air flow direction at the back yourself.





*Sweeping and collecting all kinds of waste materials from sports fields is the S4's speciality, which means a clean playing field ready for the next match or training session every time.*

## **S4 Compact sweep and collect vacuum sweeper**

### **For sweeping and collecting on sports facilities**

With an S4 compact vacuum sweeper you can sweep up and collect different types of waste materials in one pass. The S4 is perfect for clearing leaves, but also for sweeping and collecting grass clippings, and verticutting or pruning residue. Even litter is no problem. This machine will sweep and collect it effortlessly. The powerful impeller provides enormous suction power. It is mounted in a housing fitted with replaceable wear plates. The impeller is driven by a power take-off shaft connected to the tractor and requires 45 – 70 hp (33 – 51 kW) of available power.

**S4**



- Sweep and collect in one pass.
- Large radial tires for low ground pressure.
- High working speed.
- Can be configured online according to your needs
- Powered by power take-off (PTO).
- Operated by one man.
- 2.15 m high tipper.
- European type approval.
- Working width: 2.1 - 2.4 m.



## TRILO, also excellent for use on artificial grass pitches

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TRILO machines are also excellent for use on artificial grass pitches. TRILO produces products such as light and compact leaf blowers, with lots of power, that are particularly suitable for blowing residue off artificial grass. The compact-sized vacuum sweepers, in particular, are ideally suited for working on artificial grass pitches. These vacuum sweepers effortlessly brush and collect material from artificial grass, which means a clean playing field, ready for the next training session or competition every time. A manually-operated suction hose is available as an option for all TRILO vacuum sweepers. A vacuum sweeper fitted with a suction hose makes it a lot easier to remove infill from spots where it is unwanted on artificial grass pitches. The vacuum sweepers have enormous suction power and will pick up the excess infill material quickly and efficiently.



*TRILO-Multifunctional vacuum sweepers with a suction hose.*



*TRILO-Vacuum sweepers for sweeping and collecting.*

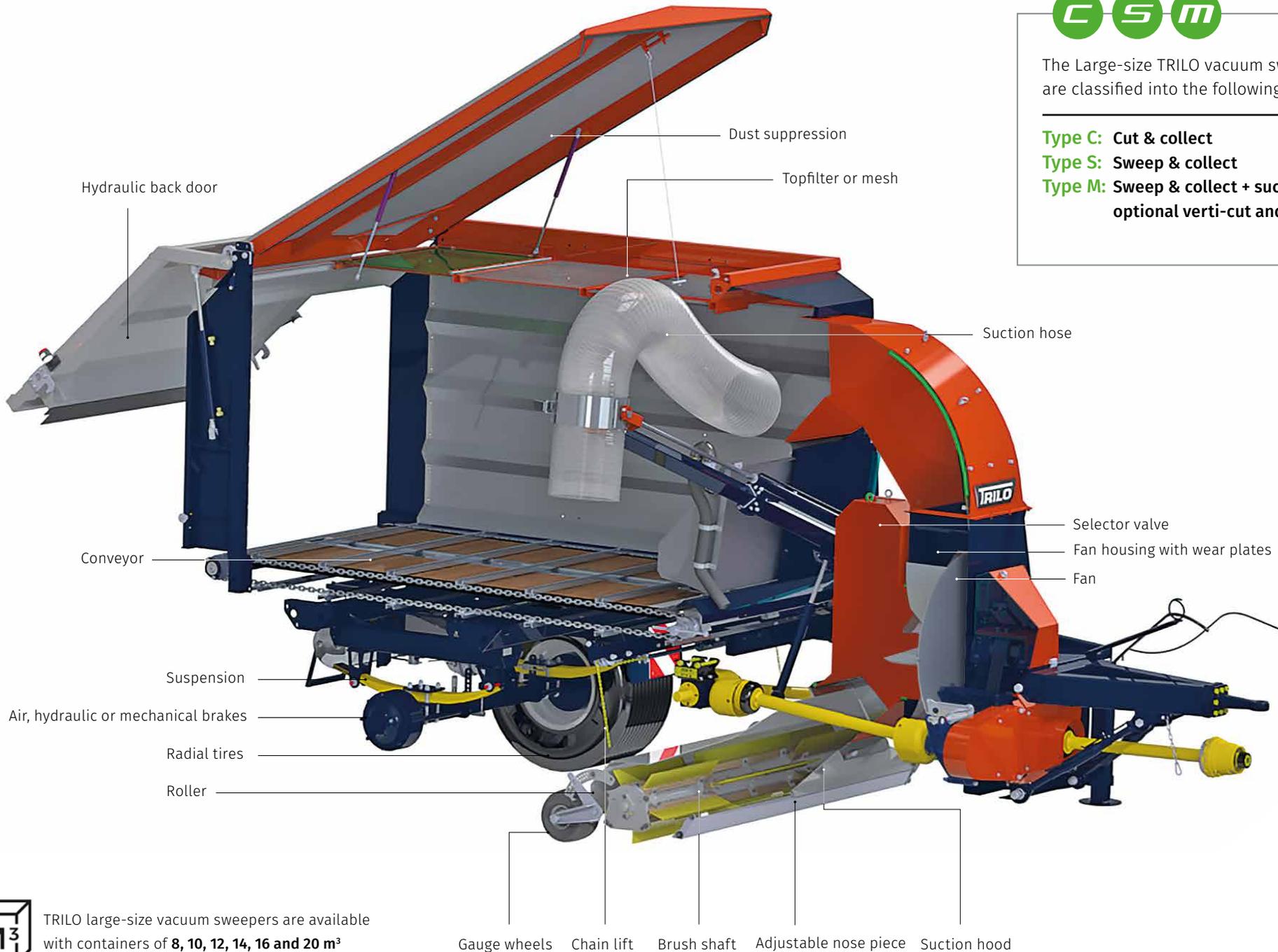


The Large-size TRILO vacuum sweepers are classified into the following types:

**Type C:** Cut & collect

**Type S:** Sweep & collect

**Type M:** Sweep & collect + suction hose and optional verti-cut and mow axles



TRILO large-size vacuum sweepers are available with containers of **8, 10, 12, 14, 16 and 20 m<sup>3</sup>**

## S8 - S10 - S12



- Sweep and collect in one pass.
- Extra wide radial tires for low ground pressure.
- Powered by power take-off (PTO).
- High working speed.
- Can be configured online according to your needs.
- Be able to work longer due to a large loading volume.
- Easy unloading by means of a self-unloading chain floor.
- Operated by one man.
- Working width: 2.1 m - 2.4 m.



*Sweeping and collecting residue from large areas at high working speeds, due to a large load capacity and wide working width, this is what a TRILO Type S vacuum sweeper does like no other machine.*

## Large vacuum sweepers

### For sweeping and collecting on sports facilities

The large, Type S vacuum sweepers, available with working widths from 2.4 right up to 3.0 m, are equipped with a brush shaft and are specially designed for sweeping and collecting. They are compact and manoeuvrable machines, available with container capacities of 8, 10 or 12 m<sup>3</sup>, with which you can handle sweeping and collecting different types of waste materials such as grass clippings, verticutting residue, leaves or even litter in one run. Despite their compact dimensions, they have large load capacities, which reduces the time spent on driving to and from the unloading location. The powerful impeller provides enormous suction power. It is mounted in a housing fitted with replaceable manganese steel wear plates. The impeller is driven by a power take-off shaft connected to the tractor and requires 75 - 110 hp (55 - 81 KW) of available power. Extra-wide radial tires and an optional swing axle with four in-line wheels ensure very low vehicle ground pressure.



# Large multi-purpose vacuum sweepers

## For sweeping or verticutting and collecting on sports facilities + suction hose

These large vacuum sweepers can be used for a broad range of tasks, because the working shaft in the vacuum hood is interchangeable, which allows sweeping or verticutting and collecting in a single run. A range of shafts are available as options. M-Series vacuum sweepers are also optionally equipped with a suction hose that will allow you to collect huge amounts of waste material quickly and efficiently. The large M-Series vacuum sweepers can be equipped with a suction hose mounted on a hydraulically controlled working arm, or a manually operated version. This makes these multi-purpose vacuum sweepers widely applicable. The powerful impeller provides enormous suction power. It is mounted in a housing fitted with replaceable manganese steel wear plates. The impeller is driven by a power take-off shaft connected to the tractor and requires 70 – 110 hp (51 – 81 kW) of available power. Extra-wide radial tires and an optional swing axle with four in-line wheels ensure very low vehicle ground pressure.



An example of a TRILO M10 vacuum sweeper, with a working width of 2.1 m, verticutting and collecting. When equipped with a suction hose, the M-Series vacuum sweeper can also be used for other tasks on sports facilities.

## M8 - M10 - M12



- Mobile vacuuming of waste material.
- Compact and manoeuvrable.
- Extra wide radial tyres for low ground pressure.
- Ability to work longer due to a larger loading capacity.
- Driven by PTO drive shaft.
- Easy emptying using a chain floor.
- Easy to operated by one person.

A suction hose can be mounted in 2 different ways:

1. A hose with a diameter of 350 mm is mounted on a hydraulically steered arm, which can optionally be operated with a joystick. This is possible on both the left and the right side.
2. Large vacuum sweepers can also be equipped with a 6 metres long flexible hand-held suction hose with a diameter of 250 mm. mounted on the left or right side.





# Large wide-area vacuum sweeper with wings

## Wide-area sweeping and collecting on sports facilities

These are unique vacuum sweepers specially developed for the (wide-area) sweeping and collection of grass clippings or verti-cutting residue from wide grass areas. By unfolding the wings, it is possible to sweep and collect from huge surfaces with working widths of 5.8 or 7.8 m. A Fan in a housing lined with replaceable wear plates, provides an enormous suction power, so sweeping can be done with a high working speed. With these vacuum sweepers it is possible to sweep 11 hectares in one hour. With the wings folded, these vacuum trucks can be transported in a normal way with a width of 2.76 m. A large vacuum sweeper with wings is powered by a PTO coupled to the tractor and needs a power of 90 - 110 hp (66 - 81 KW). The vacuum sweepers are available with different loading volumes ranging from 10 to 20 m<sup>3</sup>.



TRILO large wide-area sweep & collect vacuum trucks with wings for sweeping and collecting large areas.

S8W - S10W - S12W



- Sweep and collect in one pass.
- Extra wide radial tires for low ground pressure.
- Powered by power take-off (PTO).
- High working speed.
- Can be configured online according to your needs.
- Be able to work longer due to a large loading volume.
- Easy unloading by means of a self-unloading chain floor.
- Operated by one man.
- Working width: 5.8 or 7.8 m.



## SU40

- Handheld wander hose with a working range from 5 meters  $\varnothing$  200 mm
- Exhaust can rotate 360 degrees
- Safety sensor on fan housing
- Impeller with a diameter of 400 mm
- Interchangeable wear plates
- Static-dynamically balanced
- Easy to maintain and clean
- Allowed on public roads up to 80 km/h (50 Mph)
- Easy to clean with a garden hose.
- Water is easily drained via drain with cap.



## SU40 and SU60 debris loaders

The TRILO SU40 and SU60 vacuum sweepers are ideal for loading vehicles with large volumes of leaves or waste. The design of the square exhaust duct, combined with a powerful impeller, creates tremendous suction power. The SU40 is the standard version. The SU60 has more power than the SU40. With a more powerful motor, bigger impeller and larger hose diameter, the SU60 has the highest level of suction power of the two models. The manganese steel impeller blades shred the material taken up by suction, distributing it evenly and filling the load bed optimally.

### The suction hose

The suction hose is equipped with a sturdy metal end-piece with an ergonomic handle. A caster wheel under the end piece carries its weight while you work, which makes using the suction hose a much lighter task. During work, the suction hose is also supported by a pivoting extension arm. You can store it securely in its transport bracket when you are finished. TRILO SU models are standard equipped with a suction hose that allows a working range of 5 meters.



The **TRILO SU40** is standard equipped with a 200-mm diameter suction hose with a working range of 5 meters, and it has a 400-mm diameter fan. The SU40 vacuum sweepers are powered by economical, low noise and reliable Honda engines.



## SU60

- Handheld wander hose with a working range from 5 meters Ø 250 mm
- Exhaust can rotate 360 degrees
- Safety sensor on fan housing
- Electrical starter engine
- Impeller with a diameter of 600 mm
- Interchangeable wear plates
- Extra powerful Honda V-Twin engine
- Static-dynamically balanced
- Allowed on public roads up to 80 km/h (50 Mph)
- Easy to clean with a garden hose
- Water is easily drained via drain with cap



The **TRILO SU60** is standard equipped with a 250-mm diameter suction hose with a working range of 5 meters, and it has a 600-mm diameter fan. SU60 vacuum sweepers are powered by a very powerful and reliable Honda V-twin engine. The SU60 also has a electrical starter engine.

### Maintenance

The impeller and blower housing wear plates can easily be serviced through the rear access panel, without removing the engine. The fan housing of a TRILO SU60 debris loader is easy to clean with a garden hose and excess water is simply drained by using a drain plug in the bottom of the fan housing.

### Adjustable exhaust spout

The adjustable exhaust spout can be rotated 360 degrees and has an adjustable end-valve. This makes the machine flexible for coupling to a range of working vehicles or trailers, because the exhaust curve can always be adjusted to the correct exhaust setting.

### Permitted on public roads

TRILO SU vacuum sweepers are mounted on a sturdy chassis equipped with lighting and a ball hitch, and they are suitable for use on public roads (maximum 50 Mph - 80 km/h). Hook it up easily, drive to the work site, and start working right away!



## T1

- Fits on most vehicles
- Easy to operate
- Little maintenance required
- Easy to clean
- Suitable for the removal of various waste materials

## TRILO T1 Independently driven suction unit

### Turn a smaller vehicle into a vacuum sweeper

The T1 vacuum unit is TRILO's unique concept to adapt smaller vehicles, such as UTVs (utility vehicles), pick-up trucks or trikes, into a small vacuum sweeper. Removing and collecting mobile and flexible waste materials from the most difficult locations is now made easy with the TRILO T1. You can easily mount the TRILO T1 onto a loading bed, and it is then immediately ready for use. With this mini-unit, you effortlessly vacuum a load volume of one cubic meter of litter, pruning residue or leaves with a five-meter suction hose. This vacuum unit is easy to operate and requires little maintenance. The TRILO T1 is ideal for narrow roads, urban areas, camping sites, cemeteries, parks and golf courses, but it is also excellent for use during events.



*A TRILO T1 can simply be placed on a any loading deck and used immediately.*





	VACUUM SWEEPERS				VACUUM UNITS		
	S3	S4	S & C 8,10 & 12	S 8,10 & 12 W	SU40	SU60	T1
<b>Power source:</b>							
540 rpm (PTO)	●	●	●	●	-	-	-
1000 rpm (PTO)	-	●	●	●	-	-	-
2100 rpm (PTO)	-	-	-	-	-	-	-
Hydraulic	-	●	●	●	-	-	-
Diesel engine	-	-	-	-	-	-	-
Petrol engine	-	-	-	-	●	●	●
<b>General specs:</b>							
Power requirement	50-80 hp*	70-90 hp*	90-130 hp*	90-130 hp*	13 hp	20 hp	13 hp
Airflow m³/min	280	315	390	390	180	200	180
Hopper Capacity	3 m³ (3.9 yd³)	4 m³ (5.2 yd³)	8, 10 & 12 m³	8, 10 & 12 m³	-	-	1 m³
Weight kg	1200	+/- 2300	*	*	275	440	332 kg
Weight lbs	2645	+/- 5070	*	*	606	970	732
Tyre size	26,5 x 14	500/50R17	500/50R17	500/50R17	4.80x4.00-8	20.5x8.0-10	18,5x8,5-8
<b>Scarifier blades:</b>							
Diameter blades	-	-	-	-	-	-	-
Number of blades	-	-	-	-	-	-	-
Space between blades	-	-	-	-	-	-	-
Blade thickness	-	-	-	-	-	-	-
<b>Trailer type:</b>							
Slow speed	●	●	●	●	-	-	-
High speed	-	-	●	-	●	●	-
<b>Wanderhose:</b>							
6 m (20 ft) Ø 200 mm (6.56 ft)	●	-	-	-	-	-	●
6 m (20 ft) Ø 250 mm (8.2 ft)	-	●	-	-	●	●	-
6 m (20 ft) Ø 250 mm (11.5 ft)	-	-	●	-	-	-	-
<b>Joystick control:</b>							
on and off (black & white)	-	-	-	-	-	-	-
Proportional	-	-	●	●	-	-	-
<b>Brush hood drive:</b>							
Mechanical	●	●	●	●	-	-	-
Hydraulic	●	●	●	-	-	-	-
<b>Working width:</b>							
1.20 m (3.9 ft)	-	-	-	-	-	-	-
1.50 m (4.9 ft)	-	-	-	-	-	-	-
1.80 m (5.9 ft)	●	●	●	-	-	-	-
2.00 m (6.5 ft)	-	-	-	-	-	-	-
2.10 m (6.8 ft)	-	●	-	-	-	-	-
2.40 m (7.8 ft)	-	●	●	-	-	-	-
3.00 m (10 ft)	-	-	●	-	-	-	-
6.00 m (19.68 ft)	-	-	-	●	-	-	-
<b>Working shaft:</b>							
Brush	●	●	●	●	-	-	-
Rubber flap brush	-	●	●	-	-	-	-
Scarify	●	●	●	-	-	-	-
Mowing	●	●	●	-	-	-	-
Heavy mowing	-	●	●	-	-	-	-
<b>Brake System:</b>							
No brakes	●	●	●	●	●	●	●
Hydraulic brakes	●	●	●	●	-	-	-
Overrun brakes	●	●	●	●	-	-	-
Air brakes	-	-	●	●	-	-	-
<b>Filters:</b>							
Topnet	●	●	●	●	-	-	-
Top mesh	●	●	●	●	-	-	●
Dust cap	●	●	●	●	-	-	●
Water injection	-	-	●	●	-	-	-
Fijnstof filter**	-	-	-	-	-	-	●
<b>Options blowers:</b>							
Adjustable exhaust spout	-	-	-	-	-	-	-
180° turnable exhaust spout	-	-	-	-	-	-	-

\* (Cut & Collect) Depending on the circumstances. \*\* Optioneel.

# Markets

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TRILO offers not only high quality solutions for clearing leaves, litter, clippings and grass cuttings, but also has a wide experience in the following work areas:

- Clearing leaves & verge mowing
- Turf Industry
- Airside FOD and Habitat Management
- Groundskeeping
- Greenkeeping
- Litter Collection
- Equestrian sector



**All Clear.**

[www.trilo.com](http://www.trilo.com)

Smart Industries



## Technical Support

**31 33 450 61 78**

[service@trilo.com](mailto:service@trilo.com)

Our technical staff is available to assist you with questions about our products or technical information.



## Parts

**31 33 303 89 93**

[parts@trilo.com](mailto:parts@trilo.com)

Original parts for the best price, directly from our warehouse. Quick and easy 24/7 ordering in our webshop.

<https://shop.trilo.com>



## 24/7 Delivery Service

We pack and ship from our warehouse to anywhere in the world within 24 hours!



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