



**AMAZONE**

Self-propelled mowers ***Profihopper***







**Welcome to the world professional  
green area management:**

**The Profihopper  
from AMAZONE**

# Mastering the current challenges in green space management with the AMAZONE Profihopper

Well-kept green spaces in parks, lush grass in football stadiums, open grassy areas on campsites or around the swimming pool, high-quality riding stables and golf courses - professional lawn care and landscape maintenance can quickly become the focal point of any leisure facility, be it perfectly mown lawns in summer or diligently collected leaves in the autumn.

However, current challenges are making it increasingly difficult to keep well-maintained areas to a high standard and at an affordable cost: a shortage of skilled labour, rising fuel prices, littering and improper use, extreme weather and environmental protection regulations are making green space maintenance more difficult.

The Profihopper self-propelled mower/collector from AMAZONE masters all of these challenges - efficient in terms of area coverage, convenient and easy to operate, outstanding in terms of build-quality and sturdiness, reliable and flexible in terms of possible applications, whether cutting and scarifying lawns or collecting leaves, horse droppings or rubbish, such as discarded drinks cans. Always mown with a perfect result, day after day, even with continuous operation from morning to night - for your professional green area management.

5. High-lift discharge of the collection hopper.



4. Intelligent 4WDi all-wheel drive with individual wheel speed control enables 0-turn steering.

Model overview	Profihopper 1250	Profihopper 1500	Profihopper 1500 Cab
Working width	1.25 m	1.5 m	1.5 m
Hopper size	730 l	1,100 l	1,100 l

# The Profihopper concept:

manoeuvrable, yet large hopper capacity for all green areas



1. Comfortable driver zone with good "all-round visibility", optionally with a canopy or cab.

3. High-output diesel engine with modern exhaust gas treatment, including recirculation and particulate filter.

2. Mower with SmartCut exact cut rotor and PowerCompactor auger conveyor system for a clean cut and subsequent compaction of the cut material.

# Profihopper self-propelled mowers



**STAGE V**

Stage V exhaust  
emissions compliant



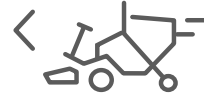
**PRODUCT FILM**  
Profihopper 1500 Cab



730 or 1,100 l  
hopper capacity



1.25 or 1.5 m  
working width



Up to 11 km/h working speed  
and 20 km/h transport speed

## Impressive work rates and mown with a perfect result

Amazone offers absolutely reliable, high-performance professional machinery which packs a big punch in the shape of the Profihopper 1250 and 1500 self-propelled mowers. The AMAZONE Profihopper is also characterised by its compact design, providing high manoeuvrability and user-friendliness for long working periods. A perfect mowing result is achieved with the SmartCut fine flail mower in working widths of 1.25 or 1.5 m - whether on lawns with short or long grass, large open areas or small and restricted plots. The auger conveyor system makes sure that the mower does not block, even when mowing in wet conditions.



OUTPUT

### High performance!

Impressive levels of output thanks to wide working widths, large collection hopper and fuel tank in combination with fast transport and working speeds. The auger conveyor system prevents blockages in the mowing unit, even when mowing in wet conditions. The rapid emptying of cuttings via the high-lift discharge also reduces downtime.



FLEXIBILITY

### Flexible!

Flexible application options - from mowing, scarifying and mulching to collecting leaves, horse droppings, rubbish and other debris. Thanks to the canopy or cab, work is possible in any weather, on both short and long grass - the machine for all seasons.



COMFORT

### User-friendly!

Convenient operation and control with a high level of visibility from the driver's cab, including vibration and noise reduction. Simple, tool-free replacement of the wing blades or scarifying knives.

# Fatigue-free working

## Mowing deck and auger conveyors

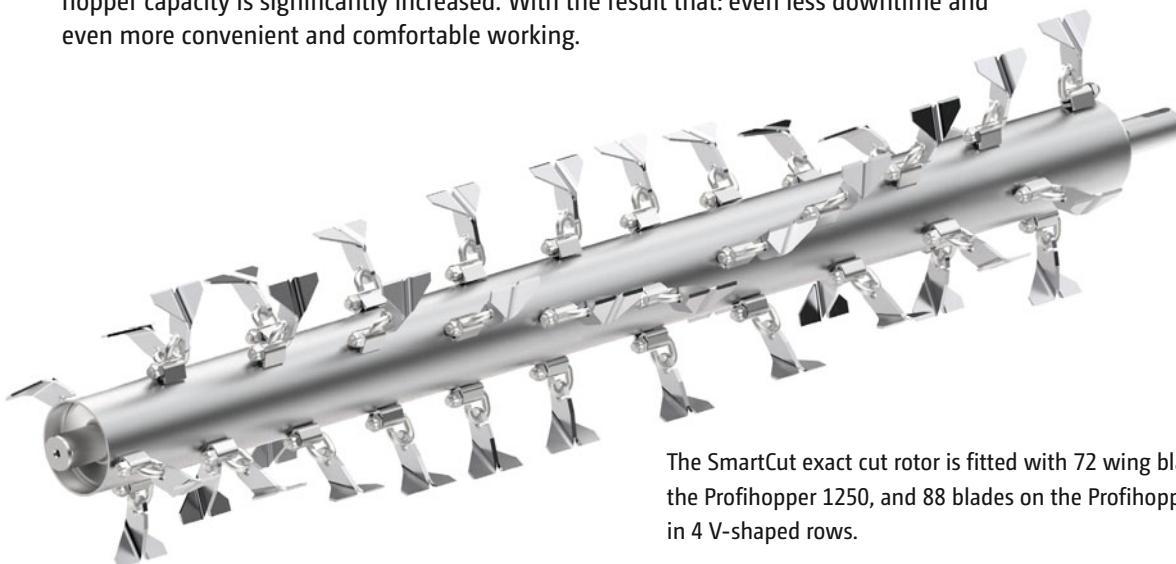
Additional new methods: AMAZONE leads the way with its SmartCut cutting rotor and PowerCompactor auger conveyor system. Multi-award-winning engineered solutions ensure perfect green space management.

### The cutting deck and conveyor section work hand in hand: the heart of the Profihopper

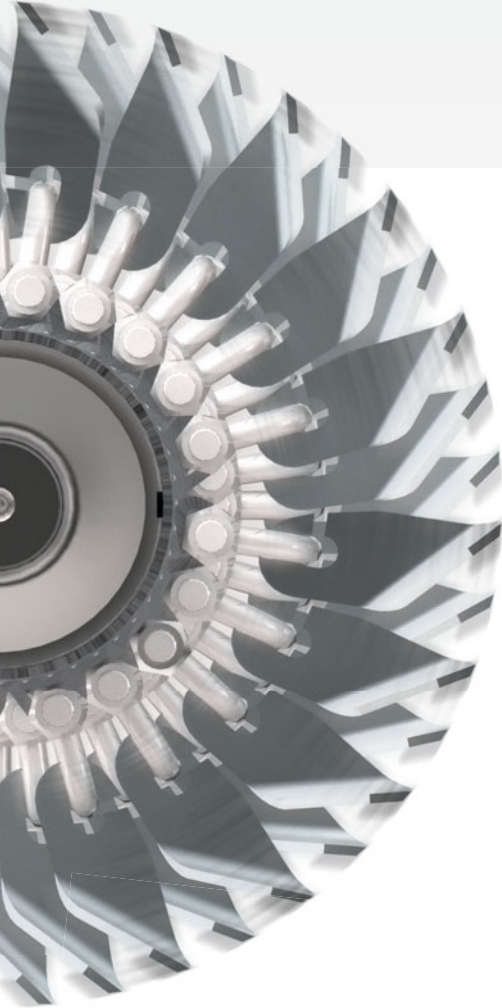
The mowing unit and conveyor section are at the heart of the Profihopper, which, as a fine flail mower, enables a significantly better mowing quality and better cutting performance than conventional cylinder or rotary mowers, whilst significantly reducing noise levels.

The wing blades on the SmartCut exact cut rotor - arranged in a chevron format - tirelessly cut the material with millimetre precision at the set cutting height. After collection, the cuttings - grass, wildflowers, leaves, or other material - are transported to the central longitudinal auger by the cross auger in the PowerCompactor system.

This is where the PowerCompactor shows its greatest strength: the cuttings are tightly consolidated during their transport to the rear collection hopper. After compaction by the PowerCompactor, up to 45 % more cuttings are packed into the collection hopper. The Profihopper 1250, with its 730 l hopper capacity, can hold up to 1,000 l of compacted cuttings, whilst the Profihopper 1500, with 1,100 l tank capacity, can even hold a maximum of 1,600 l of cuttings. Compared to mowers without compaction, the effective collection hopper capacity is significantly increased. With the result that: even less downtime and even more convenient and comfortable working.



The SmartCut exact cut rotor is fitted with 72 wing blades on the Profihopper 1250, and 88 blades on the Profihopper 1500, in 4 V-shaped rows.



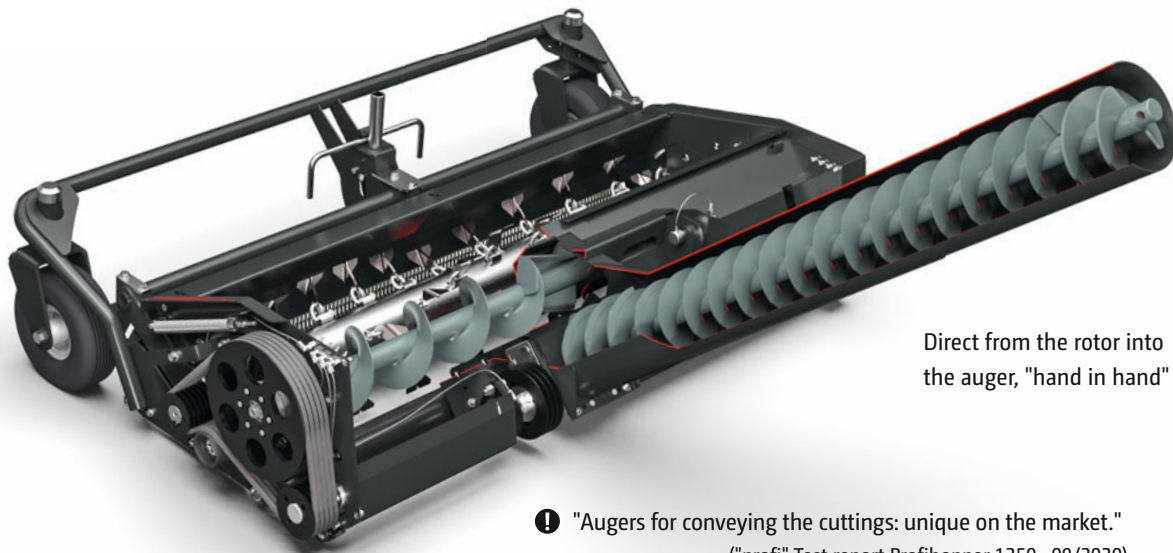
The collection hopper capacity is almost 45 % greater than that of a conventional mower, thanks to the tight compaction produced by the PowerCompactor.

The feed section of the Profihopper operates without the need for a blower fan or any air assistance. A very robust, durable solution that reliably prevents damage to the machine, with its mechanical overload safety device and electronic monitoring, whilst noise and dust generation are reduced as far as possible. Low-noise, largely dust-free operation with maximum impact and a precise profile of cut - convenient and user-friendly. The mower is in a completely different performance class.

If necessary, the mulch flap can be fitted without the need for any tools. The mown and shredded cut material is then returned to the mown area.

#### The benefits:

- ✔ Precise mowing using durable technology.
- ✔ Increased capacity of the collection hopper by compaction of the cuttings.
- ✔ Low noise and dust generation thanks to auger conveyor system instead of a blower fan.



Direct from the rotor into the auger, "hand in hand"

! "Augers for conveying the cuttings: unique on the market."  
("profi" Test report Profihopper 1250 - 09/2020)

# Safe, comfortable and high

Collection hopper with high-tip emptying



**The benefits:**

- ✔ Quick and convenient emptying of the collection hopper
- ✔ High-tip emptying at a height of up to 2.1 or 2.5 m for Profihopper 1250 and 1500



## Large collection hopper – highly efficient

With a hopper capacity of 730 or 1,100 l, the Profihopper has the capacity to collect a large volume of cuttings. The key feature is, however, the compaction provided by the PowerCompactor: The cuttings are tightly compacted so that up to 45% more cuttings can be gathered up - approximately 1,000 l of compacted cuttings for the Profihopper 1250 with a 730 l tank capacity and 1,600 l for the Profihopper 1500 with 1,100 l tank capacity.

## The high-lift discharge – safe, comfortable and high

Safe emptying is possible at a height of 2.1 m with the Profihopper 1250, or 2.5 m with the Profihopper 1500, thanks to the high-lift discharge. The transfer point of the hopper has been positioned as far to the rear as possible, so that even high-sided containers can be filled as completely as possible – and all controlled conveniently and comfortably from the driver's seat. It only takes a few seconds - and you can get straight back to work.

All components are easy to reach for cleaning.



# High performance

## The efficient and clever drive system

### High performance yet compact design

The Profihopper is nicely compact and all the important components are within easy reach. This makes maintenance and cleaning a breeze.

1. Diesel engine
2. Self-cleaning radiator system



### State-of-the-art engine technology – the standard of the future, right now

The use of high-quality components, such as robust diesel engines, are a characteristic feature of these professional machines. Thanks to the modern exhaust gas after-treatment with recirculation and particle filter, no DEF (Diesel Exhaust Fluid) is required.

### AMAZONE Cooling-System – the clever cooling system

The AMAZONE Profihopper is fitted as standard with a self-cleaning cooling system (AMAZONE Cooling-System), that removes the build-up from the radiator grill of any plant residues that collect there, this is especially important when mulching.

### Economical powerhouse – with automated engine control for the Profihopper 1500

Maximum power is available at all times thanks to the automated engine management system on the Profihopper 1500. However, the engine works efficiently and economically when maximum power is not needed.

A distinction is made between transport and work modes as well as the new ECO mode, in order to make optimum use of the power of the Profihopper 1500.

#### The benefits:

- ✔ Optimisation of fuel consumption by better power utilisation.
- ✔ 45 % higher output in tall grass (compared to the Profihopper 1250).

## STAGE V

Stage V exhaust  
emissions compliant



**Area coverages of up to  
15,000 m<sup>2</sup> per hour**



## New ECO mode

In ECO mode, the rotor is driven at a reduced speed of 2500 rpm, and the revs of the diesel engine are at just 2000 rpm. This saves fuel and reduces the noise level by up to 4.5 dB. The new ECO mode is ideal for collecting leaves and for mowing under easy conditions.

### The benefits:

- ✔ High work and transport speeds.
- ✔ ECO mode for reduced fuel consumption and large-capacity fuel tank give long working periods.
- ✔ Modern exhaust gas treatment without DEF.

## Large fuel tanks – for those long, long days

Large fuel tanks, with a capacity of 40 and 55 l on the Profihopper 1250 and Profihopper 1500 respectively, guarantee uninterrupted operation, even during long working days and high usage: Less downtime, greater impact, more flexibility.

## Maximum forward speed in transport mode

The engine revs are determined exclusively by the forward speed in transport mode. Maximum forward speed is 20 km/h.

## Increased performance in work mode

In work mode, the engine speed is increased to 2,800 rpm. The driving speed is then limited to 11 km/h. The perfect interaction of drive and engine power allows maximum coverage of up to 15,000 m<sup>2</sup> per hour, thanks to the working width of 1.50 m.

# The intelligent all-wheel drive system

4WDi from AMAZONE

## 0-turn steering for all Profihoppers



## 4WDi all-wheel drive

Equipped with intelligent 4WDi all-wheel drive, the speeds of the four driven wheels are individually controlled depending on the steering wheel position and the forward speed. The Profihopper actuates the drive to the steered rear wheels only when the front wheels need this assistance. The system functions both when going forwards or backwards.



## Benefits of the 4WDi technology

- ✔ 0-turn steering.
- ✔ Increased safety with maximum manoeuvrability.
- ✔ Also suitable for difficult operating conditions, such as when slipping on wet ground or when working on sloping terrain.
- ✔ All-wheel drive only when necessary: this reduces fuel consumption and protects the environment.

"The standard-size rear wheels turn by almost 90° with or without the all-wheel drive – the machine is therefore easily manoeuvrable and almost turns on the spot."

("profi" Test report Profihopper 1250 · 09/2020)



## Safe on any terrain – even under difficult operating conditions

Also, when working under difficult operating conditions – for example, when slipping on wet ground or when working on sloping terrain – the operator especially benefits from the intelligent four-wheel drive. The danger of slippage is minimised because every wheel is driven at all times at the optimum speed. This results in greater safety and improved operational performance, for example, less wheel marks on lawns.

Weather protection canopy offers protection from rain and the sun for the Profihopper 1250 and 1500.



# Everything to hand with SmartHandling

## Operation and control



### Central and easy cutting height adjustment

The cutting height adjustment is done very comfortably and quickly. The height of cut can be adjusted from 0 – 90 mm via the adjustment handle located on the mowing deck. Here, the total mowing deck is swivelled so that no parts are positioned deeper to impact the quality of work.

### Folding roll bar complying with EN ISO 5395

The folding roll bar, via which the transport height can be reduced very easily and quickly, is also very useful.



Simple, infinitely-variable cutting height adjustment ensures the optimum cutting profile at heights from 0 - 90 mm.



Easy access makes any maintenance work pleasant to do. Thanks to the maintenance flaps, all important components are accessed quickly and easily.



# Productive working



## The driver's seat is a key element

The best technology can only realise its full benefit and functionality if it is operated professionally. This requires a high degree of comfort and user-friendliness in order to remain focused at all times, even with long working hours.

This is exactly what the driver's seat of the Profihopper is designed for. The controls are easy to reach and adjust, while the seat with integrated heating guarantees comfort.

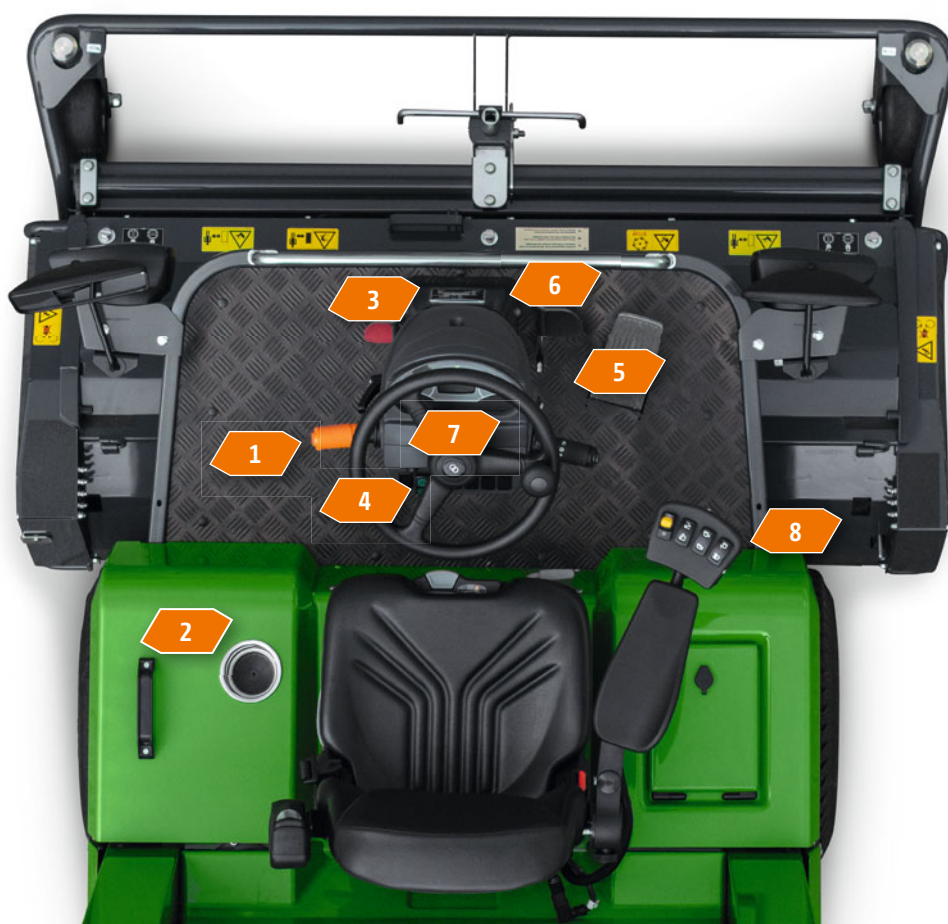
The optional cab on the Profihopper 1500 also offers air conditioning and protection from the weather, a radio and an optional reversing camera for a better view. Best conditions in the workplace!

## Control and operation

1. Powershuttle Forward/Neutral/Reverse
2. Drinks holder
3. Hill start assist/parking brake
4. Cruise control
5. Electronic accelerator pedal
6. Brake pedal
7. Practical info display: display of all important job information, such as mowing times, area coverage and key engine figures for maximum machine utilisation during operation
8. Mowing deck and collection hopper controls

## With comprehensive job documentation

Full usage documentation for the Profihopper 1500 is available via the on-board computer for performance monitoring or utilisation analysis after the job has been completed.

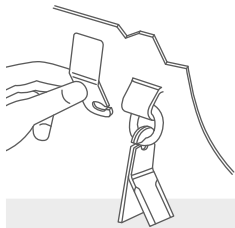
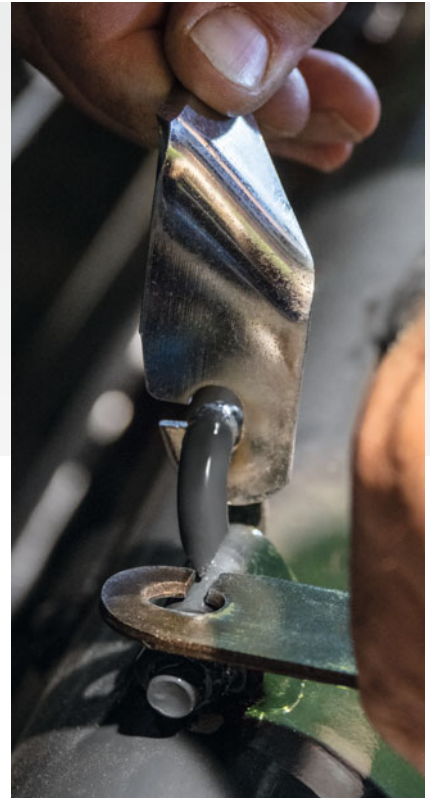


# Quick and easy!

## Tool-free blade replacement

### Different blades are available for individual applications

The long-life qualities of the blades result in little wear. In addition, the blade system is resistant to foreign obstacles because each blade is independently suspended.



Blade exchange without tools	H77 long sharpened wing blade (standard)	Scarifying blade 3 mm	Scarifying blade 2 mm	H77 long sharpened wing blade with scarifying blade	H60 sharpened wing blade with scarifying blade
Lawn maintenance	●●●●				
Golf course maintenance	●●●●				
Maintenance of parks	●●●●				
Maintenance of public green spaces	●●●●				
Mowing and collecting in damp conditions	●●●●				
Leaf collection	●●●●			●●●●	●●●●
Scarifying		●●●●			●●●●
Scarifying golf courses/large grass areas			●●●●		●●●●
Dethatching lawns (e.g. supplementary to a cylinder mower)					●●●●
Paddock maintenance				●●●●	
Number of blades required Profihopper 1250	36 pairs	36 knives	36 knives	36 pairs + 36 knives	36 pairs + 36 knives
Number of blades required Profihopper 1500	44 pairs	44 knives	44 knives	44 pairs + 44 knives	44 pairs + 44 knives

●●●● very good result

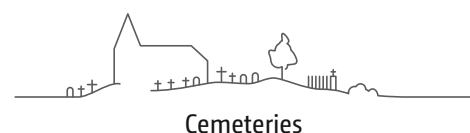
# The all-seasons machine

Wide range of applications



The Profihopper's flexible application makes it perfect for lawn and landscape management in parks, cemeteries, residential complexes, sunbathing lawns and campsites ensuring efficient machine utilisation. This is further enhanced by the facility for collecting leaves.

The Profihopper is also suitable for the maintenance of high-quality grassed areas on golf courses, in paddocks and sports facilities plus, thanks to its lighting system and cab, it is also suitable for night-time operation - this very wide range of application, combined with its high output potential means that the machine can be operated very economically.



# Designed for efficiency!

The master in collection



## The mower with an excellent profile of cut – whether short or long, wet or dry

Compared with either rotary or cylinder mowers, the Profihopper, as a fine flail mower operates reliably, thanks to its design, even at noticeably higher cutting heights. Both in short and long grass, the Profihopper provides a superb profile of cut - in virtually all weathers and vegetation.

The tried-and-tested AMAZONE mowing and scarifying system is your guarantor for well-groomed lawns. Whether the sun is shining, or the early morning dew is still on the grass – work gets going. The Profihopper does not mind whether the grass is wet, exceptionally tall or even dense – it always produces first class results.

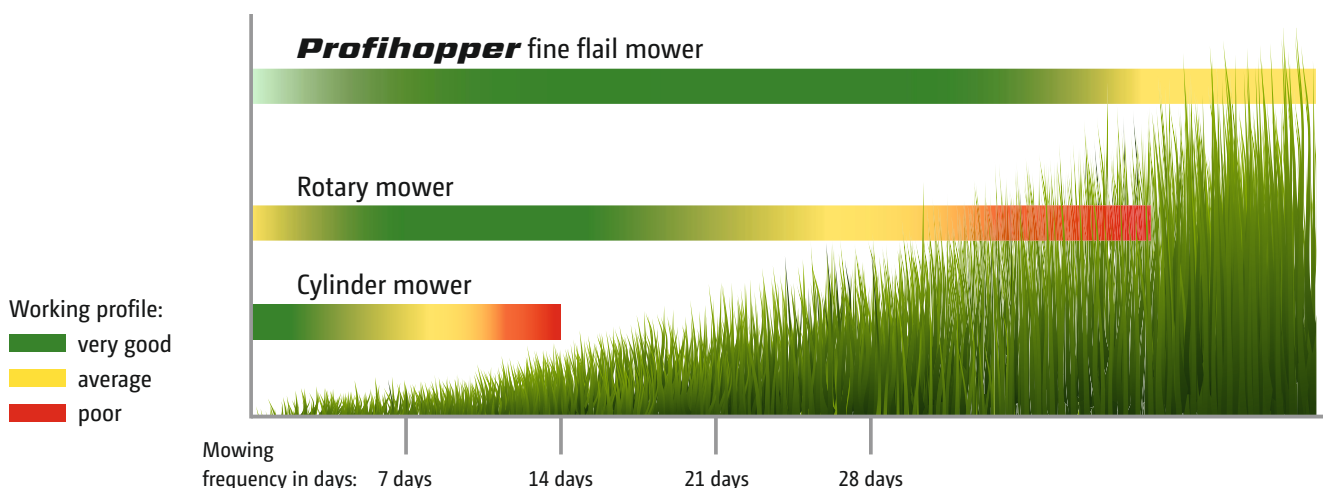
45 % more collected material due to the compactor

## Mulching – returning important nutrients

Through the special mounting of the knives on the big diameter rotor, the grass-stalks are cut off and then shredded many times. For mulching, the mulch flap is simply inserted in the Profihopper, and the cuttings remain evenly distributed across the mown area. Important nutrients are consequently then fed back into the soil.

## Scarifying – improving the soil structure

The AMAZONE Profihopper is also a superb scarifier. The scarifying knives, which are quickly attached without tools, slit the turf and thin out the lawn's surface. Thatch is removed, collected and at the same time the surface is rolled. And so, due to the scarifying, the improved light, air, water and nutrient exchange results in a significant improvement to the soil structure.





Thanks to the powerful suction effect, the Profihoppers are perfect for collecting and shredding dead leaves in autumn or spring.

## Collecting leaves

The powerful suction effect picks up almost "everything" (leaves, chestnuts, acorns, etc.). This ensures optimum utilisation of the collection hopper capacity. In addition, the shredding of the leaves by the rotating blades speeds up their decomposition. Often in the spring, autumn leaves remain covering the ground and the grass can only grow with difficulty. To improve and aid that grass growth, those leaves can be collected, and the lawn aerated in a single pass by simply adding in the scarifying blades.

## Rubbish collection – the clean up machine

The auger system is not sensitive to foreign objects, so the collection of tins, paper and other rubbish lying around in parks and leisure areas, is no problem for the Profihopper.



Mowing and scarifying in a single pass.



In practise, the two Profihoppers are highly appreciated by livery owners. The Profihopper mows patches of rank grass and any horse droppings are reliably collected. Healthy animals thanks to clean paddocks.

# Testimonials



## Roger Myatt, Doncaster Golf Club, GB: 3 machines in one – the Profihopper 1250

Roger Myatt is the golf course manager at Doncaster Golf Club in the UK. He got to know the Profihopper 1250 during a demonstration a few years ago and now the greens staff at the club use the Profihopper 1250 more and more. The decision to buy the machine was taken almost 2 years ago and was helped by the close location of the course to AMAZONE Ltd.'s headquarters which makes any cooperation much simpler. "We like the Profihopper because it can perform any task required of it. Here at the club, the PH 1250 is being used to maintain the heath areas and, through scarifying, we promote seed germination of the grass. It also thins out those areas with thick, tall grass and we use it to collect leaves in the autumn," explains Mr. Myatt. The beauty now is that the Profihopper has improved the characteristics of heathland and, where the rough has been cut and thinned out, these surfaces have become easier to play.

It keeps the falling leaves in check and, because the PH 1250 is so compact, it fits between the trees and so collects the majority of the leaves which can then be easily emptied into trailers. Roger Myatt goes on to add "What we particularly like about the Profihopper are the simple things; the height adjustment, its manoeuvrability between the trees and the high-tip emptying (up to 2.10 m)". The technical plus point, and the deciding factor, according to Roger Myatt in choosing the Profihopper, was the fact that he has 3 machines in one - leaf collector, grass cutter and scarifier. "I would certainly recommend the use of an AMAZONE Profihopper 1250 for golf courses, even the club members are impressed by it," he concludes.

## Landscape gardeners with a clear recommendation for the Profihopper 1500

The landscape gardeners Michael Hauner and Thomas Schehl (UBZ) have been familiar with the Profihopper 1250 for years. They have been a test customer for the prototype phase of the Profihopper 1500 since November 2020.

They find the new cab, with its easily adjusted air conditioning, to be a most useful asset. "The cab demists in 3 minutes."

Michael Hauner considers the seating comfort to be very important to him because of slipped disc problems in his back. He enjoys driving the Profihopper, with its air-suspension seating, whether it be on the road or on rough terrain.

The Profihopper replaced a large number of other units at UBZ because of its ability to be used on large areas (stadiums and parks) and on the smallest of applications (wild meadows and flower meadows). They also use the Profihopper on street verges, school playing fields, playgrounds, water-side tracks and asphalted areas. "We can collect everything or, if needs be, mulch it as well. We also collected lots and lots of leaves." They cite the machine's enormous capacity and high manoeuvrability as further advantages of the Profihopper. They also praise the changing of the blades as being very easy, together with cleaning and maintenance. The cutting height adjustment is very simple and is easily accessible.



Arnaud Paillard with his Profihopper 1500 4WDi SmartLine

## Arnaud Paillard "Parcs et Jardins Paillard": a loyal Profihopper user

Arnaud Paillard, Managing Director of "Parcs et Jardins Paillard" in Pugey near Besançon, France, is an enthusiastic Profihopper user. "I have been using a Profihopper since 2000, so I was working with the first versions, when it was still called the LGA and steered with two levers. I decided upon the Profihopper because of its collection system and its versatility. Collecting is still the best, and no noise! Within the business, I use it for mowing, collecting, leaf collection and also for shredding material. The Profihopper is quick, quiet and very compact. In addition, you have a good all-round view from the driver's seat, which makes manoeuvring much easier."

M Paillard is, and remains, a loyal customer because "AMAZONE is always prepared to listen to professionals and they take account of our requirements in the conception and development of their machines, and that's why I am a fan of the brand."

M Paillard currently operates a Profihopper SmartLine 1500 which he obtained in February 2020.

The generously dimensioned diesel tank generally lasts for approximately 1.5 days, on average. Even when covering 4 km of street verges, the Profihopper saves lots of extra work. "We can manoeuvre close to the trees and hardly have to do any follow-up work or mow by hand."

Michael Hauner (left) and Thomas Schehl from Umwelt- und Servicebetrieb Zweibrücken







# Models

Profihopper 1250, 1500 and 1500 Cab

## Profihopper 1250

Quick and highly-maneuvrable - the Profihopper 1250 offer high work rates and maximum consolidation of the cuttings in the collection hopper thanks to the PowerCompactor - the effective capacity of the hopper is increased from 730 l to up 1,000 l of collected cuttings. More mowing, less downtime.



## Profihopper 1500

The extensive output of the Profihopper range is further enhanced by the Profihopper 1500, having an even greater working width of 1.5 m and a collection hopper that can hold up to 1,600 l of compacted cuttings. Even more mowing, even less downtime.





**IDEAS FOR  
OUR FUTURE**

## **InsectGuard – ecologically-friendly mowing and insect protection at the same time!**

The tine carrier of the new InsectGuard vigorously agitates the grass before the mower passes over it, thereby scaring any insects away. As a result, they are kept safe from the passage of the Profihopper. Available for all Profihopper models.

### **Profihopper 1500 Cab**

The new cab for the Profihopper 1500 offers large glass area screens front and rear, external mirrors, wide-opening doors, heater and air conditioning. Additional equipment, such as road lights, flashing beacons, windscreen wipers, a radio, a high-spec seat and additional LED work lights, make the Profihopper 1500 Cab the optimum choice for intensive use.

#### **The benefits:**

- ✔ Max. cab noise level of 85 dBA.
- ✔ Mesh guard in front of air inlet filter.
- ✔ Road traffic approval for Profihopper 1500, with and without cab, and 500 kg max. trailer load.



# The right solutions

## Equipment for any application

All Profihoppers are optionally available equipped for use on the public road.

<sup>1</sup> Only available as optional equipment for the Profihopper 1250.

<sup>2</sup> Only available as optional equipment for the Profihopper 1500.

<sup>3</sup> Only available as optional equipment for the Profihopper 1500 Cab.



LED work lights and/or flashing beacon



Reversing camera for more visibility<sup>3</sup>



LED rear lights form part of the road lighting kit



Road lighting kit



Extra wide lawn tyres are available on request<sup>1</sup>



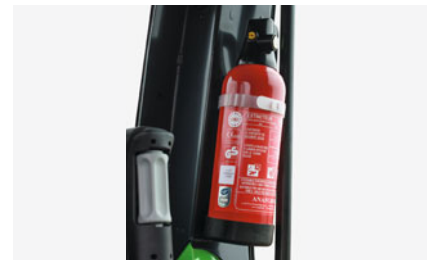
Weather protection<sup>1+2</sup> canopy



Battery isolator<sup>1</sup>



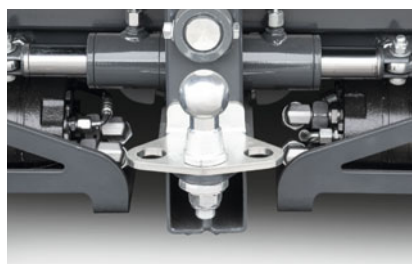
InsectGuard



Fire extinguisher<sup>2+3</sup>



Various seat options, such as the Grammer "De Luxe" seat with air suspension and heating



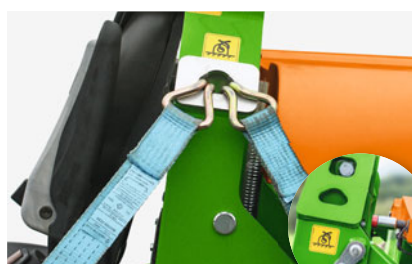
Trailer coupling, complete with strapping points<sup>2+3</sup>



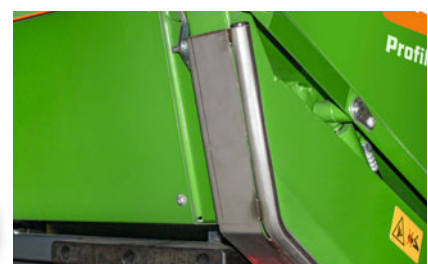
The run-flat tyres provide more safety when working



Polyurethane-coated support rollers



Wear protection for safe transport<sup>1+2</sup>



Lift arm protectors<sup>2+3</sup>

# Technical data:

## Profihopper self-propelled mowers

Model	Profihopper 1250	Profihopper 1500	Profihopper 1500 with cab
Drive system	Hydrostatic, all-wheel drive, 4 hydraulic motors and 2 hydraulic pumps	Hydrostatic, all-wheel drive with double piston pump with electronic control	
Weight with mowing deck	1,175 kg	1,770 kg	2,100 kg
Total permissible weight	1,600 kg	2,600 kg	
Engine	Kohler diesel, water-cooled, 3 cylinder, 1,068 cm <sup>3</sup> , 18 kW (24.5 hp), Stage 5 exhaust emissions compliant	Yanmar 4TNV 88 diesel, water-cooled, 4 cylinder, 2,190 cm <sup>3</sup> , 34 kW (45.6 hp), Stage 5 exhaust emissions compliant	
Fuel tank capacity	40 l of diesel	55 l of diesel	
Forward speed	Forwards: 0 to 12 km/h, infinitely variable Reverse: 0 to 6 km/h, infinitely variable	Forwards: 0 to 20 km/h, infinitely variable Reverse: 0 to 8 km/h, infinitely variable	
Forward speed	0 to 10 km/h, infinitely variable	0 to 11 km/h, infinitely variable	
Working width	1.25 m	1.50 m	
Mowing deck	SmartCut rotor with 72 blades (36 pairs)	SmartCut rotor with 88 blades (44 pairs)	
Cutting height adjustment	Infinitely variable from 0 – 90 mm		
Dimensions with mowing deck	Length: 2.85 m · Width: 1.50 m height (with folding roll bar): 2.10 m	Length: 3.415 m · Width: 1.773 m height: 2.186 m	Length: 3.415 m · Width: 1.773 m height: 2.467 m
Hopper capacity	1,000 l collected material (= 730 l compacted in the hopper)	1,600 l collected material (= 1,100 l compacted in the hopper)	
High-lift discharge	2.10 m	2.50 m	
Tyres	Front: 20 x 10.00-10 6PR or 21 x 11.00-10 4PR or 20 x 12.00-10 4PR Rear: 16 x 6.50-8 4PR KEVLAR	Front: 24 x 12.00-12 8PR Rear: 20 x 10.00-10 6PR	

Illustrations, content and technical data are not binding and may differ depending on the level of equipment. Country-specific road traffic regulations apply and must be complied with, meaning that special approval may be required.

# The original is simply better

AMAZONE service and quality



Experience that pays off. That's why AMAZONE guarantees you the highest quality thanks to a very high level of vertical integration within its own factories in Europe - and it has been doing so for more than 140 years. The original is simply better.

Mostly, things have to be done in a timely manner, for instance, for upcoming events that use those green spaces. That is why AMAZONE offers a first-class parts service with genuine parts that are precisely matched to your machine. So your machine is always ready for use - quality parts and available worldwide.

The parts centre in Tecklenburg-Leeden in Germany is the base for our worldwide parts logistics system. This ensures optimum availability of parts, even for older machines. Whenever you need us, the AMAZONE service team is there for you, supported by a network of competent and highly trained sales partners and service technicians.

#### The advantages of genuine parts and wearing metal:

- ✔ Quality, reliability and performance
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- ✔ Higher resale value of your used machine



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WARRANTY

## » Register now and apply for a 36-month manufacturer guarantee!

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NEW



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- ✔ Maintenance and storage



# AMAZONE



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**AMAZONEN-WERKE H. DREYER SE & Co. KG**  
P. O. Box 51 · 49202 Hasbergen-Gaste/Germany  
Phone +49 (0)5405 501-0 · Fax +49 (0)5405 501-193



**AMAZONE**

Mounted and trailed mowers ***GH***

Mounted mower ***HH***



# Welcome to the world of modern green space maintenance: The GH and HH from AMAZONE



	Page
<b>1. Machine concept and overview</b>	4–5
<b>2. Advantages and features at a glance</b>	6–7
<b>3. Layout: mowing system, hoppers, blades</b>	8–12
<b>4. Scope of operation</b>	13–17
<b>5. Models</b>	20–25
<b>6. Optional equipment</b>	26–27
<b>7. Technical data</b>	30



# Maintaining green spaces with the GH and HH from AMAZONE

Whether it is well-kept green spaces in parks, lush grass in football stadiums, open grassy areas on campsites or around the swimming pool, high-quality riding stables and golf courses - professional lawn care and landscape maintenance can quickly become the focal point of any leisure facility, be it perfectly mown lawns in summer or diligently collected leaves in the autumn.

The GH and HH mowers from AMAZONE master all these tasks with high efficiency and reliability – no matter whether you are cutting and scarifying lawns, or collecting leaves, horse droppings or rubbish such as discarded drinks cans. Simple and convenient operation that ensures a perfect quality of cut every time. Day after day, in continuous use from morning to night, in all weathers, in short or long grass, in dry or wet conditions – the reliable solution to professional green space management.

## The concept for GH and HH

High efficiency and flexibility that work together in all conditions

1. Quick attachment via the three-point linkage for the HH, GH, GH-LT, GH-S or drawbar for the GH-S Drive



Product range	HH	GH	GH-LT	GH-S	GH-S Drive
Working width (m)	1.50–2.10	1.35–2.10	1.35–1.50	1.50–2.10	1.50–2.10
Hopper capacity (l)	1,500–2,100	1,350–2,100	1,400–1,550	2,500–3,500	2,500–3,500
Tractor mounting and emptying	Three-point linkage with ground level discharge	Three-point linkage with ground level discharge	Three-point linkage with support wheels and high-lift discharge	Three-point linkage with support wheels and high-lift discharge	Drawbar with running gear and high-lift discharge

2. Large hopper with a capacity of 1,350 l to 3,500 l which can be emptied either at ground level or, with high-lift discharge, at a height of up to 2.3 m



3. Fine flail mower with the SmartCut exact cut rotor for low-noise mowing

4. Single or double swivel wheels at the rear for GH-LT, GH-S and GH-S Drive for optimum ground contour following

## GH and HH mounted and trailed mowers



**MORE INFORMATION**  
[www.amazone.net/gh](http://www.amazone.net/gh)



**PRODUCT FILM**  
Find out more



1,350 to 3,500 l  
hopper capacity



Cutting widths  
from 1.35 to 2.10 m



Working speeds  
of up to 11 km/h

## High work rates and a perfect quality of cut all year round

The GH and HH mowers from AMAZONE are the high output solution for modern lawn maintenance. No matter whether you are cutting and collecting, scarifying or mulching grass, or collecting leaves, horse droppings and rubbish, the all-year-round machine offers flexible application options with perfect results throughout the year.



OUTPUT

### High performance!

Ideal for professional lawn maintenance thanks to the wide cutting width and large hopper capacity.

The all-year-round machine – high output with the blockage-free SmartCut cutting deck, even in damp conditions or long grass.



FLEXIBILITY

### Flexible!

Flexible scope of application - from mowing, scarifying and mulching to collecting leaves, horse droppings, rubbish and other debris.



COMFORT

### User-friendly!

Simple, tool-less blade replacement thanks to the quick-change system and easy access to the cutting deck.

# Fatigue-free working

## Mower with SmartCut exact cut rotor

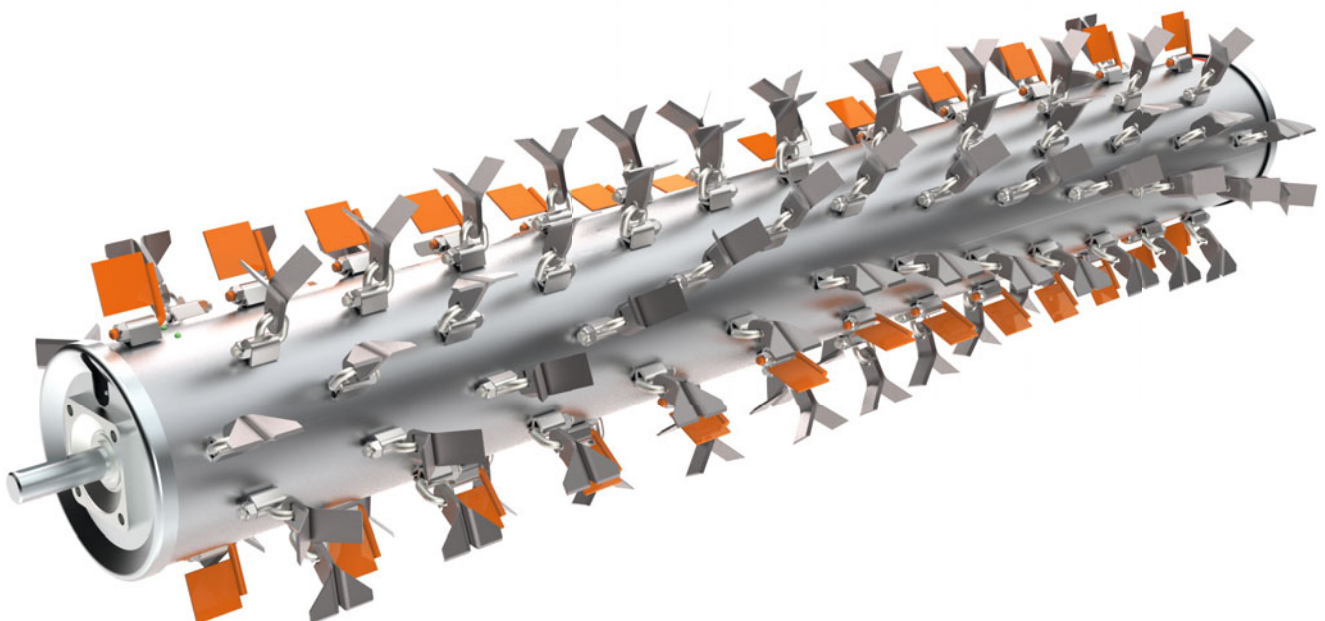
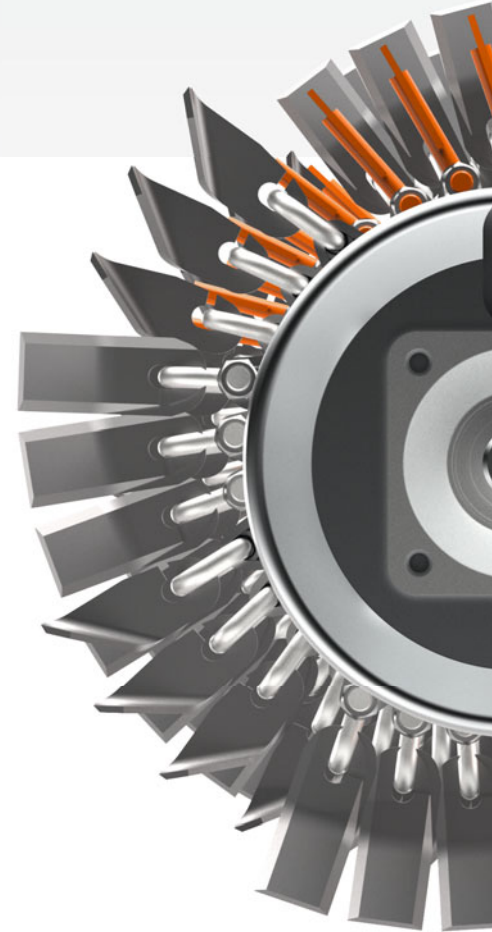
Seeking out alternative methods: AMAZONE, with this mower, helps your business forge ahead. Award-winning engineered solutions ensure perfect green space management.

### Mower with SmartCut exact cut rotor: the heart of the mower

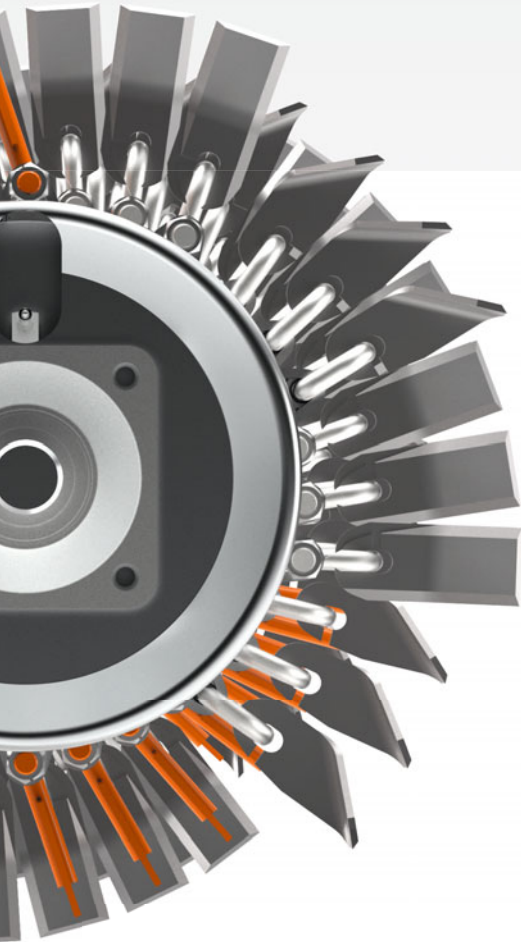
In contrast to conventional cylinder mowers or rotary mowers, the GH and HH fine flail mowers offer a significantly improved quality of cut and a higher output yet with a substantially reduced noise level.

The wing blades on the SmartCut exact cut rotor – arranged in a chevron formation – tirelessly cut the material at the set cutting height with millimetre precision. The cuttings – grass, wild flowers, leaves or other material – are blown into the hopper by the air flow generated by paddles on the rotor.

The hopper on the GH can hold up to 3,500 litres of cuttings. This means even less downtime, even more convenience and comfortable working.



The GH's SmartCut exact cut rotor is equipped with sharpened wing blades and air paddles arranged in a chevron formation



The air flow carries the cuttings into the large collection hopper. A guide plate inside the hopper protects the front of the hood against stone impact. This prevents damage to the machine.

The mulch function can be optionally activated via a lever on the GH and GH-LT, or via the tractor hydraulics on the GH-S and GH-S<sup>Drive</sup>. The shredded cuttings remain left on the sward surface in this mode.

#### The benefits

- ✔ Precise mowing using durable technology
- ✔ Reliable conveyance of the cuttings via the air flow generated by air paddles on the rotor



As an option, a wear plate can be fitted to the mower frame to compensate for the high loads placed when working under very aggressive conditions such as scarifying sandy ground

# Large hopper, quickly emptied

High-lift discharge



Emptying at a height of  
up to 2.3 m with high-lift  
discharge



## Convenient emptying

The high-lift discharge enables safe emptying into tall containers. The GH-LT can be emptied at a height of up to 1.8 metres, the GH-S at a height of up to 2.1 metres and the GH-S Drive at a height of up to 2.3 metres. The pivot point is positioned as far back as possible, so that tall containers can be fully filled – and comfortably from the tractor seat via the 3 buttons on the electro-hydraulic control unit.

A lock on the hydraulic cylinder ensures safety when working on the rotor or collection hopper under the raised hopper. All components are easy to get at for cleaning.



The optional, electro-hydraulic control unit on the GH-LT, GH-S and GH-S Drive models allows all hydraulic functions to be easily controlled.



Emptying the hopper into high sided trailers or into taller containers is possible up to a height of 2.3 metres

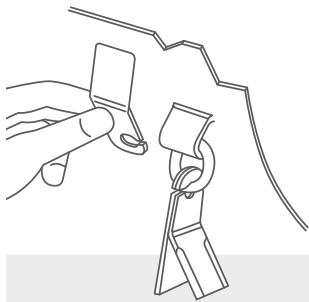
# Quick and easy

## Replacement of the blades without tools



### Different blades are available for individual applications

The long-life qualities of the blades result in little wear. In addition, the blade system is resistant to foreign obstacles because each blade is independently suspended.



Examples		50% reversible mowing blades + 50% wing blades long H77 sharpened	100% H77 long sharpened wing blades	100% wing blades extra long H88 sharpened	100% scarifying blades	Combination of 100% H60 sharpened wing blades and scarifying blades
Mowing of wild flowers and ecologically sensitive meadows (biotope, annual mowing, fallow land)	In dry conditions	●●●	●●			●●●
	In wet conditions	●●●	●●●			●●●
Lawn mowing, park maintenance	In dry conditions	●●●	●●			
	In wet conditions	●●●	●●●			
Golf course, lawn and sports ground maintenance	In dry conditions	●●	●●●	●●		
	In wet conditions	●●	●●●	●●●		
Close cutting and dethatching lawns						●●●
Paddock maintenance						●●●
Leaf collection	In dry conditions	●●	●●			
	In wet conditions	●●				
Scarifying and collecting in just one pass					●●	●●●
Scarifying golf courses, sports grounds or turf farms					●●	●●●

●●● very good result

●● good result

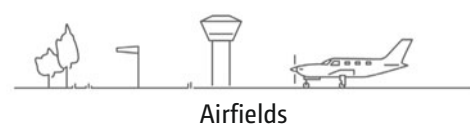
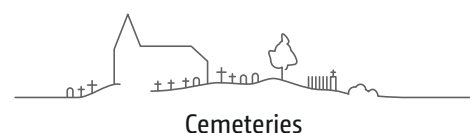
Other combinations possible

# The all-seasons machine

## Wide range of applications

The versatility of the GH and HH makes them perfect for maintaining parks, cemeteries, residential areas, lawns or camp sites thus ensuring efficient machine utilisation. This is further enhanced by the facility for leaf collection.

The GH and HH are also suitable for the maintenance of high-quality grassed areas such as golf courses, paddocks and sports facilities. Their wide range of application and high efficiency mean that the machine can be operated very economically.



# The precision cut

## Mowing and mulching

### The mowing and scarifying system from AMAZONE

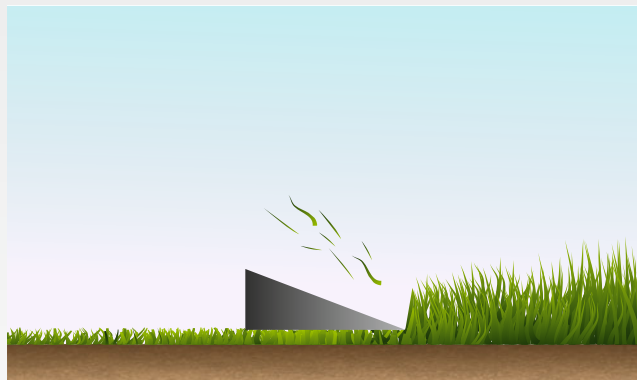
The GH and HH mowers do a great job in almost all weathers and vegetation conditions. The tried-and-tested AMAZONE mowing and scarifying system guarantees well-kept green spaces. Whether the sun is shining, or the early morning dew is still on the grass – work can begin. It makes no difference to the mowers whether the grass is wet, exceptionally tall or thick – they always achieve first class results.

The large rotor diameter and tolerance of foreign objects mean that they are perfect for the extensive maintenance of large areas of grass. The combination of reversible mowing blades with 2 cutting edges and sharpened wing blades offers a perfect balance of low wear and excellent mowing and collecting performance. The cuttings are finely shredded by the blades. This reduces composting time.



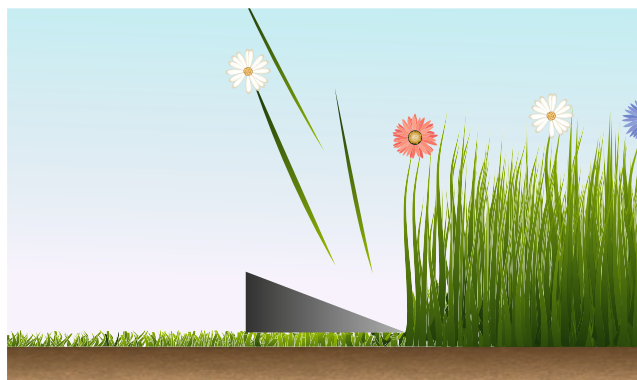
## Mowing

Mowing means cutting off the blade of grass with a cutting device. The aim is to limit the growth of the grass. This operation therefore must be performed regularly.



## Cylinder mowing

With a rotary mower, the plant is cut off at the base in one piece. A second operation is required to further process the cuttings.



## Mowing and shredding

The GH and HH cut the plant off at the base and then shred it into several pieces. These are either collected or allowed to fall to the ground. They combine the advantages of mowing systems and rotary systems in a single machine. The GH and HH can be adapted to the individual green space maintenance requirements.



## Simple tool-less changeover to mulching

Seeds and nutrients can be returned to the soil when cutting without collecting. The cut plant matter remains on the surface and rots. The nutrients it contains are released back into the soil where they are available to plants.

To switch to the mulching function, a lever is simply moved on the side of the GH or GH-LT. It is even easier in the GH-S and GH-S Drive, as the changeover is carried out from the tractor cab via the tractor hydraulics.



# More air in the ground

## Collecting and scarifying

### Collecting:

#### One machine for every application!

The powerful suction effect picks up almost "everything" (leaves, chestnuts, acorns, etc.). This ensures optimum utilisation of the hopper capacity. In addition, the shredding of the leaves by the rotating blades speeds up their decomposition. Often in the spring, autumn leaves remain covering the ground and the grass can only grow with difficulty. To improve and aid that grass growth, those leaves can be collected, and the lawn aerated in a single pass by simply adding in the scarifying blades.

#### Designed for efficiency!

The rotor's high rotational speed and the combination of sharpened wing blades and scarifying blades make the GH a highly efficient method of collecting, even in damp conditions. The SmartCut exact cut rotor also makes short work of foreign objects.



## Scarifying: why is it needed?

The natural growth of a lawn can be hindered by the formation of a layer of thatch. Tight mowing intervals without collecting, poor management of rotting leaves and the remainder of clippings or the formation of moss all serve to suffocate the lawn; they prevent water, nutrients and air from getting into the soil and reaching the roots.

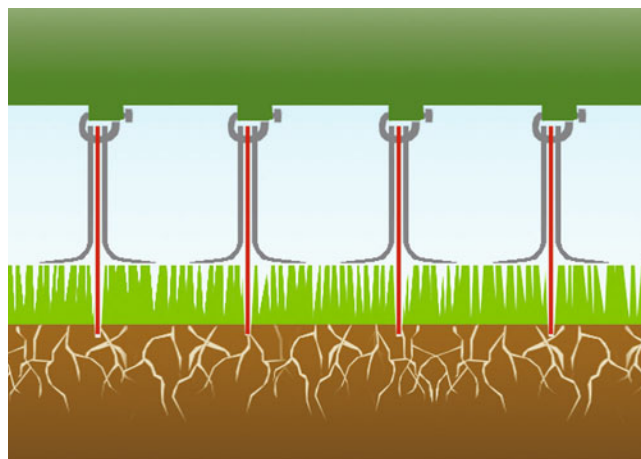
The GH and HH mowers remove thatch from the lawn and collect it in the same pass.

## Easily disposes of lawn thatch and moss

The soil structure can be improved and rejuvenated by carrying out stress-free scarifying with the AMAZONE GH and HH. Scarifying blades fitted to the rotor penetrate 1 to 2 mm into the turf, breaking up the upper earth layer, cutting off parasitic plants and thinning out the lawn surface. Lawn thatch is combed out, collected and simultaneously the soil is rolled. The combination of mowing and scarifying blades produces an outstanding suction effect.



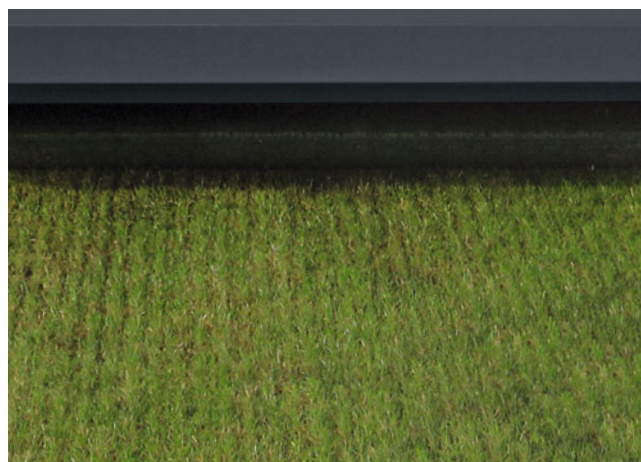
Lawn thatch and moss stop a lawn breathing



The combination of H60 sharpened wing blades and scarifying blades regenerate the lawn to leave a clean finish



Tool-less conversion to scarifying – and done in seconds























Healthy soil structure thanks to effortless scarifying





# Model overview



<b>HH</b>	<b>GH</b>
 3-point linkage mounted	 3-point linkage mounted
 Working width 1.50 m to 2.10 m	 Working width 1.35 m to 2.10 m
 Wing blade H60 + 3 mm scarifying blade (standard execution)	 Mower blade + H77 sharpened wing blade (standard execution)
 Infinitely variable height adjustment	 Infinitely variable height adjustment
 Mulching	 Mulching
 Collecting	 Collecting
 Hopper capacity 1,500 l to 2,100 l	 Hopper capacity 1,350 l to 2,100 l
 Integrated airflow deflector	 Integrated airflow deflector
 Hopper protection hood	 Hopper protection hood
 Ground level discharge	 Ground level discharge



All models can be equipped with any optional extras depending on the individual requirements!



## GH-LT

## GH-S

## GH-S Drive

 3-point linkage mounted	 3-point linkage mounted	 Drawbar above or below the PTO shaft
 Working width 1.35 m to 1.50 m	 Working width 1.50 m to 2.10 m	 Working width 1.50 m to 2.10 m
 Mower blade + H77 sharpened wing blade (standard execution)	 Mower blade + H77 sharpened wing blade (standard execution)	 Mower blade + H77 sharpened wing blade (standard execution)
 Infinitely variable height adjustment	 Infinitely variable central height adjustment	 Infinitely variable central height adjustment
 Mulching	 Mulching	 Mulching
 Collecting	 Collecting	 Collecting
 Hopper capacity 1,400 l to 1,550 l	 Hopper capacity 2,500 l to 3,500 l	 Hopper capacity 2,500 l to 3,500 l
 Airflow deflector (optional equipment)	 Airflow deflector (optional equipment)	 Airflow deflector (optional equipment)
 Hopper protection hood	 Hopper protection hood	 Hopper protection hood
 High-lift discharge 1.80 m	 High-lift discharge 2.10 m	 High-lift discharge 2.30 m
 Road speed 25 km/h	 Road speed 25 km/h	 Up to 40 km/h on the road*
 Rear caster wheels	 Electro-hydraulic control (optional equipment)	 Electro-hydraulic control (optional equipment)
	 Rear caster wheels	 Twin wheels at the rear

\*New: EU type approval included!

# GH, GH-LT, GH-S and GH-S<sup>Drive</sup>



## Advantages of the GH

- ✔ Precise working thanks to cutting widths from 1.35 m to 2.1 m, matching the track width of the tractor
- ✔ Hopper capacities from 1,350 l to 3,500 l for high-performance working, even on large areas
- ✔ No wheel marks on the finished area
- ✔ Simple ground level discharge with GH or high-lift discharge with GH-LT, GH-S and GH-S<sup>Drive</sup> for a wide range of applications



1,350 to 3,500 l  
hopper capacity



Cutting widths  
from 1.35 to 2.10 m



Working speeds  
of up to 11 km/h



A gas strut dampens the closing movement of the hopper lid after emptying



Simple ground level discharge on the GH

# HH

HorseHopper



### Advantages of the HH

- ✔ Precise working thanks to cutting widths from 1.5 m to 2.1 m, matching the track width of the tractor
- ✔ Hopper capacities from 1,500 l to 2,100 l for high-performance working, even on large paddocks
- ✔ No wheel marks on the finished area
- ✔ Simple ground level discharge for fast working



1,500 to 2,100 l  
hopper capacity



Cutting widths  
from 1.50 to 2.10 m



Working speeds  
of up to 11 km/h

## Better hygiene and optimum paddock usage

The most effective means of improving paddock hygiene is ensuring the regular collection of all horse droppings. Raking paddocks just distributes the excrement along with any prevailing parasites and the proportion of rank grass patches is increased. The HH enables rank grass patches, including metre-high thistles, to be perfectly mown and collected together with the horse droppings, thereby allowing for a more intensive use of the paddock.

### Working steps with the HH:

- ✔ Collecting horse droppings
- ✔ Mowing of rank grass patches and thistles
- ✔ Grass mowing and collecting
- ✔ Scarifying and collecting
- ✔ Collecting leaves

### Standard execution:

- ✔ Cat. 1 and Cat. 2 three-point linkage mounting
- ✔ H60 short, sharpened wing blades in combination with scarifying knives
- ✔ Infinitely-variable height adjustment for support roller with scraper
- ✔ Mulch flap
- ✔ Castor wheels
- ✔ PTO shaft with over-run clutch
- ✔ Collection hopper with hydraulic ground-level emptying, internal stone guard plate and air deflector
- ✔ Fill level indicator



without being cut

after being cut with the HH

# Well thought-through in every detail



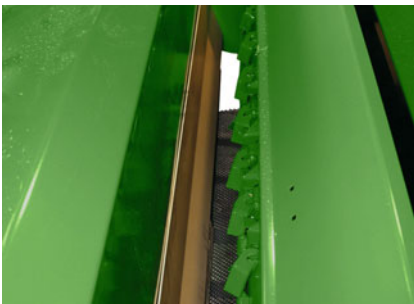
Electro-hydraulic control



Run-flat tyres



Lighting for North America



Mower unit wear plate



Operating hours counter



Double-acting hydraulic cylinder



Tail lights



Drawbar at the top



Integrated airflow deflector



Rear wheel mudguards



Front roller with scrapers



Changeover valve



The hopper protection hood helps protect the hopper from the impacts of foreign objects



The GH can also work precisely at the roadside. Thanks to the fast transport speed, even long distances from job to job are no problem



The "rubber protection" kit can be fitted as an option to prevent dust from swirling up from the gap between the hopper and the mowing deck towards the tractor driver

For machines with a drawbar:

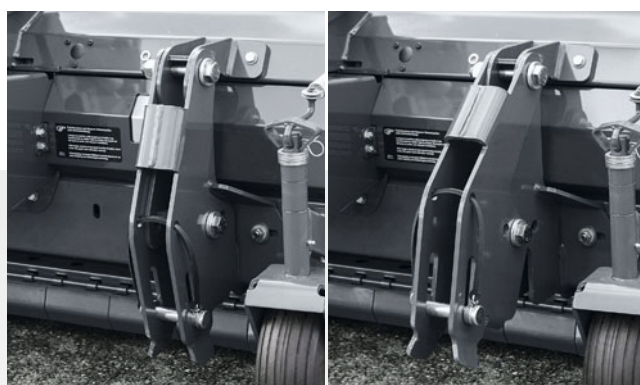
- ✔ Straight drawbar for attachment above the PTO shaft (standard)
- ✔ Straight drawbar for attachment to tractor drawbar beneath the PTO shaft (optional equipment)



The fill level indicator for the hopper reliably and accurately shows the exact fill level

For three-point linkage mounted models:

- ✔ The adjustable link mounting brackets can be used to optimise the PTO shaft angle



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AMAZONE service and quality



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In most cases, things need to happen very quickly, especially when time is tight for optimum lawn maintenance. That is why AMAZONE offers a first-class parts service with genuine parts that are precisely matched to your machine. So your machine is always ready for use - quality parts and available worldwide.



The Global Parts Center in Tecklenburg-Leeden in Germany is the base for our worldwide parts logistics system. This ensures the optimum availability of parts, even for older machines. Whenever you need us, the AMAZONE service team is there for you, supported by a network of competent and highly trained sales partners and service technicians.

AMAZONE also offers an intensive introduction to the operation and handling of your new machine on your farm by a trained member of the AMAZONE team. Alternatively, you can use "SmartLearning" - AMAZONE's interactive driver training - to familiarise yourself with the machine's operation before using it for the first time.

Precise mowing from the very first metre.

**The advantages of original spare parts and wearing metal:**

- ✔ Quality, reliability and performance
- ✔ Immediate availability, even for older machines
- ✔ Higher resale value of your used machine



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for more performance



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WARRANTY

## » Register now and apply for a 24 month manufacturer guarantee!

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NEW



PARTS

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AND OPERATION

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# Technical data:

## GH and HH

Model	Working width (m)	Tractor mounting			Collection hopper (l)	Empty weight (kg)	Permissible total weight* (kg)	Dimensions L x W x H (m)
		Recommended tractor output (hp) Min.   Max.		Category				
GH 1350	1.35	30	60	Cat. I N, I	1,350	570	910	1.80 x 1.75 x 1.48
GH 1500/HH 1500	1.50	40	80	Cat. I, II	1,500	600	970	1.80 x 1.90 x 1.48
GH 1800/HH 1800	1.80	60	120	Cat. I, II	1,800	690	1,140	1.80 x 2.20 x 1.48
GH 2100/HH 2100	2.10	70	130	Cat. I, II	2,100	760	1,290	1.80 x 2.50 x 1.48

With ground level discharge

GH-LT 1350	1.35	30	60	Cat. I N, I	1,400	750	1,100	1.94 x 1.75 x 1.58
GH-LT 1500	1.50	40	80	Cat. I, II	1,550	780	1,160	1.94 x 1.90 x 1.58

Discharge height approx. 1.80 m

GH-S 1500	1.50	50	100	Cat. I, II	2,500	970	1,600	2.60 x 1.90 x 1.65
GH-S 1800	1.80	60	120	Cat. I, II	3,000	1,000	1,750	2.60 x 2.20 x 1.65
GH-S 2100	2.10	70	130	Cat. I, II	3,500	1,040	1,915	2.60 x 2.50 x 1.65

Discharge height approx. 2.20 m

GH-S 1500 Drive	1.50	50	100	–	2,500	1,030	1,660	3.55 x 1.90 x 1.70
GH-S 1800 Drive	1.80	60	120	–	3,000	1,130	1,880	3.55 x 2.20 x 1.70
GH-S 2100 Drive	2.10	70	130	–	3,500	1,240	2,100	3.55 x 2.50 x 1.70

Discharge height approx. 2.30 m

\* Value used for testing the lift capacity and permissible total weight of the tractor (mounted implements) and the permissible total weight of the tractor in operation (trailed implements).

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# AMAZONE



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**AMAZONEN-WERKE H. DREYER SE & Co. KG**

P. O. Box 51 · 49202 Hasbergen-Gaste/Germany

Phone +49 (0)5405 501-0 · Fax +49 (0)5405 501-193