



**AMAZONE**

# **Profihopper 1250 SmartLine**





# Profihopper 1250 SmartLine self-propelled mower

The self-propelled machine for professional green space maintenance



- ❗ “Even on heavily sloping ground the Profihopper 4WDi steers straight ahead surprisingly well.”  
(Practice test from the magazine ‘Kommunaltechnik’ · 07/2013)



With the Profihopper 1250 SmartLine self-propelled mower, AMAZONE offers a professional solution and absolute reliability. The Profihopper concept promises the highest of efficiency and, at the same time, convinces with its unbelievably compact and comfortable design. The Profihopper SmartLine is so versatile; whether for mowing, scarifying or the collection of leaves, horse droppings or any other rubbish for that matter.

## Faster, economical, better!

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2011: Silver medal for the Profihopper 4WDi PowerCompactor



2013: Silver medal for the SmartCut exact cut rotor



2018: Innovation Award for AMAZONE SmartService 4.0



Confirmation on fulfilling the thrown object test: Profihopper with SmartCut cutting deck fitted with H77 mowing blades in accordance with DIN EN13524:2014 Annex B and the requirements of ISO 17101-2:2012

# Profihopper 1250 SmartLine

With **1.25 m**  
working width

With **40 l**  
fuel tank

With **730 l** collecting hopper  
(equals 1,000 l of uncompacted cuttings)

With **2.10 m**  
high-lift discharge



## The benefits at a glance:

- ⊕ Out-front cutting deck in 1.25 m working width with integrated PowerCompactor collecting and conveying system, consisting of longitudinal and cross conveyor augers providing the highest work rates
- ⊕ Versatile across the entire year and in any weather: mowing, mulching or collection of leaves, horse droppings or any other litter
- ⊕ Operation in any weather, not only in short but also long grass – extremely robust and reliable technology
- ⊕ SmartCut exact cut rotor with chevron-mounted knife arrangement – for an improved cutting and collecting performance and at reduced noise levels
- ⊕ The large 40 l fuel tank ensures long working days without interruption
- ⊕ Available as iDrive with front wheel drive for normal ground conditions or as 4WDi with all-wheel drive for use in difficult operational conditions
- ⊕ The compact design ensures steering with a 0-turning circle – for more manoeuvrability and safety in any terrain, even when on slopes
- ⊕ High-lift discharge up to 2.1 m – comfortable and quick
- ⊕ Blade change without tools – quick, simple and safe!
- ⊕ Fulfils highest quality standards, certified and tested by the DLG according to DIN EN13524:2014 Annex B and the requirements of ISO 17101-2:2012





With integrated **PowerCompactor**  
collection and conveyor auger system via longitudinal  
and cross conveyor augers

Versatile

for **mowing,**  
**scarifying,**  
**mulching** or the  
**collection** of  
leaves, horse droppings or any other litter

From choice as

**iDrive** (with front wheel drive)

or **4WDi** (with integrated all-wheel drive)

**SmartCut** exact cut rotor  
with chevron knife mounting arrangement

With **0-turning**  
**circle steering**



FOR FURTHER INFORMATION  
[www.amazone.net/profihopper](http://www.amazone.net/profihopper)

# The models

## Profihopper SmartLine

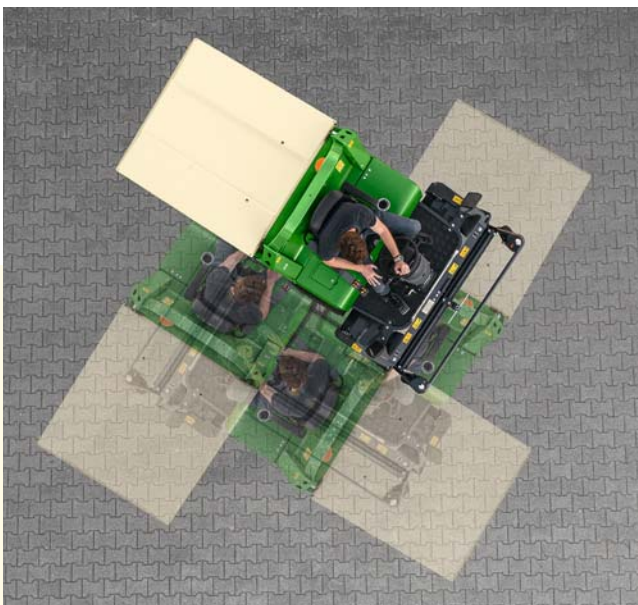
### Profihopper 1250 iDrive SmartLine

- ✔ 1.25 m working width
- ✔ Hopper volume 730 l (equals 1,000 l of cuttings)
- ✔ Front wheel drive with 0-turning circle steering



### Profihopper 1250 4WDi SmartLine

- ✔ 1.25 m working width
- ✔ Hopper volume 730 l (equals 1,000 l of cuttings)
- ✔ All-wheel drive with 0-turning circle steering



- ✔ With true 0-turning circle, manoeuvrable and safe





# The Profihopper iDrive SmartLine

## with front wheel drive and 0-turning circle steering

### Comfortable and simple to operate

For the operation under normal ground conditions, the Profihopper iDrive SmartLine is recommended. The front wheel drive is provided out via two hydraulic motors. The only difference between the Profihopper iDrive SmartLine and the Profihopper 4WDi SmartLine is the drive system. All the other components are the same. So the Profihopper iDrive

SmartLine is equipped as well with the SmartCut high quality mower and convinces by its compact design, efficiency and quality of work. The intuitive steering via the steering wheel with 0-turning circle are also standard on the Profihopper iDrive SmartLine.





# The Profihopper 4WDi SmartLine

with intelligent all-wheel drive and 0-turning circle steering





# Safe on any terrain



## 4WDi technology

With the Profihopper 4WDi SmartLine, each wheel is driven at the necessary speed of revolution determined by the accelerator pedal position and the steering angle so that the machine does not require any differential locks. The actual speed of the front wheels is controlled in relation to the position of the rear steered wheels so that the vehicle can turn around with one front wheel on the spot (0-turning circle).

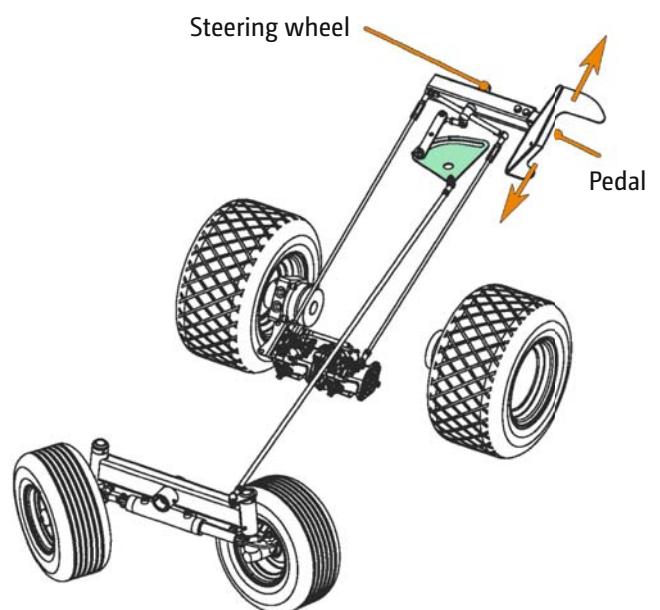
The rear wheels are connected in series with the front wheels. In this way the front wheels – via the hydraulic system – can be assisted if necessary, by the rear wheels in case of slip, if conditions are wet or when on slopes. This achieves the optimum utilisation of the engine's performance under all operational conditions and helps the environment with reduced fuel consumption. Thus all-wheel drive if necessary! The system functions both when going forwards or backwards.

## Totally without any frills – reliable and robust

Instead of using costly electronic circuitry which is usually necessary for such regulatory mechanisms, the Profihopper 4WDi SmartLine is equipped with a robust, mechanical and, for the user, quite simple system. This system makes the Profihopper 4WDi SmartLine an all-wheel drive machine yet with a true 0-turning circle steering. The steering wheel provides intuitive steering.

## For all applications

Because of this, the Profihopper offers a significant number of benefits in practical operation: for example, when mowing around obstacles or turning, less manoeuvring is required. Also, when working under difficult operational 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. The increased manoeuvrability under any operational conditions, especially on slopes, allows the more efficient operation.



! “That is especially good where one has to mow around trees or poles. The hydraulically assisted steering functions smoothly.”  
(Practice test from the magazine ‘Kommunaltechnik’ · 07/2013)

✓ Precise operation on slopes

# The all-seasons machine

Highest performance at any time

## A range of application across the whole year:

- ✔ Mowing
- ✔ Scarifying
- ✔ Mulching
- ✔ Collecting of leaves, horse droppings or other litter

### Tip: rolling

Rolling immediately after mowing is an ideal action to achieve a fine finish and well-cared for lawn.

## Flexible and versatile

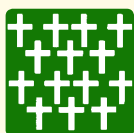
No matter whether short or long grass, damp or dry conditions, with the Profihopper you can be relaxed about any operation and at any time of the year.

- ❗ “The mowing unit and collection hopper, they couldn’t be any better.” Here all the judges agreed: “The 1.25 m wide rotor mower does a perfect job.”

(Practice test from the magazine ‘Kommunaltechnik’ · 07/2013)



Parks



Cemeteries



Golf courses



Green areas in residential areas



Lawns



Sport fields

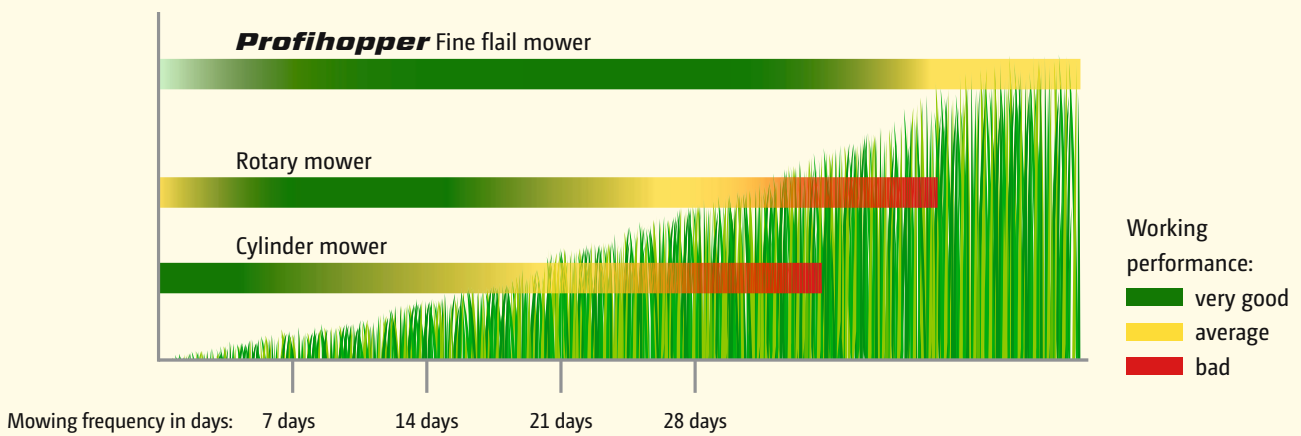


Campsites



Paddocks





Overview of cutting efficiency

## Excellent cutting quality – no matter whether short or long

Compared with either rotary or cylinder mowers, the Profihopper, as a fine flail mower operates reliably, thanks to its design, even at noticeable higher cutting heights. Both in short and long grass, the Profihopper provides a superb cutting performance.

## Mowing – no matter whether moist or dry

The Profihopper does a superb job in nearly all climatic or vegetative conditions. Its well-proven AMAZONE mowing and scarifying system is the guarantor for well-groomed lawns. Whether the sun is shining or the early morning dew is still on the grass – work can begin. The Profihopper is not bothered whether the grass is wet, exceptionally tall or even thick – and it always achieves first class results.

## Mulching – the return of 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 just inserted into the Profihopper and the cuttings are spread evenly across the mown area. Important nutrients are consequently then fed back into the soil.

## Scarifying – improves 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 soil is rolled. And so, due to the scarifying, the improved light, air, water and nutrient exchange results in a significant improvement in the soil structure.





# One machine for all applications!



❗ “The collection and the transfer of cuttings or leaves performs very well, even in wet conditions.”  
(Practice test from the magazine ‘Kommunaltechnik’ · 07/2013)

❗ “Most of the drivers liked the seating position.”  
(Practice test from the magazine ‘Kommunaltechnik’ · 07/2013)



# Designed for efficiency!



## Collecting leaves

Thanks to the superb suction effect almost “everything” (leaves, chestnuts, acorns, etc. ...) is collected and the hopper capacity is optimised. In addition, the chopping up 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 aired in a single pass by simply adding the scarifying blades.

## Rubbish collection – Clean up

The conveying 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.

## Paddock Maintenance – Your horses will thank you

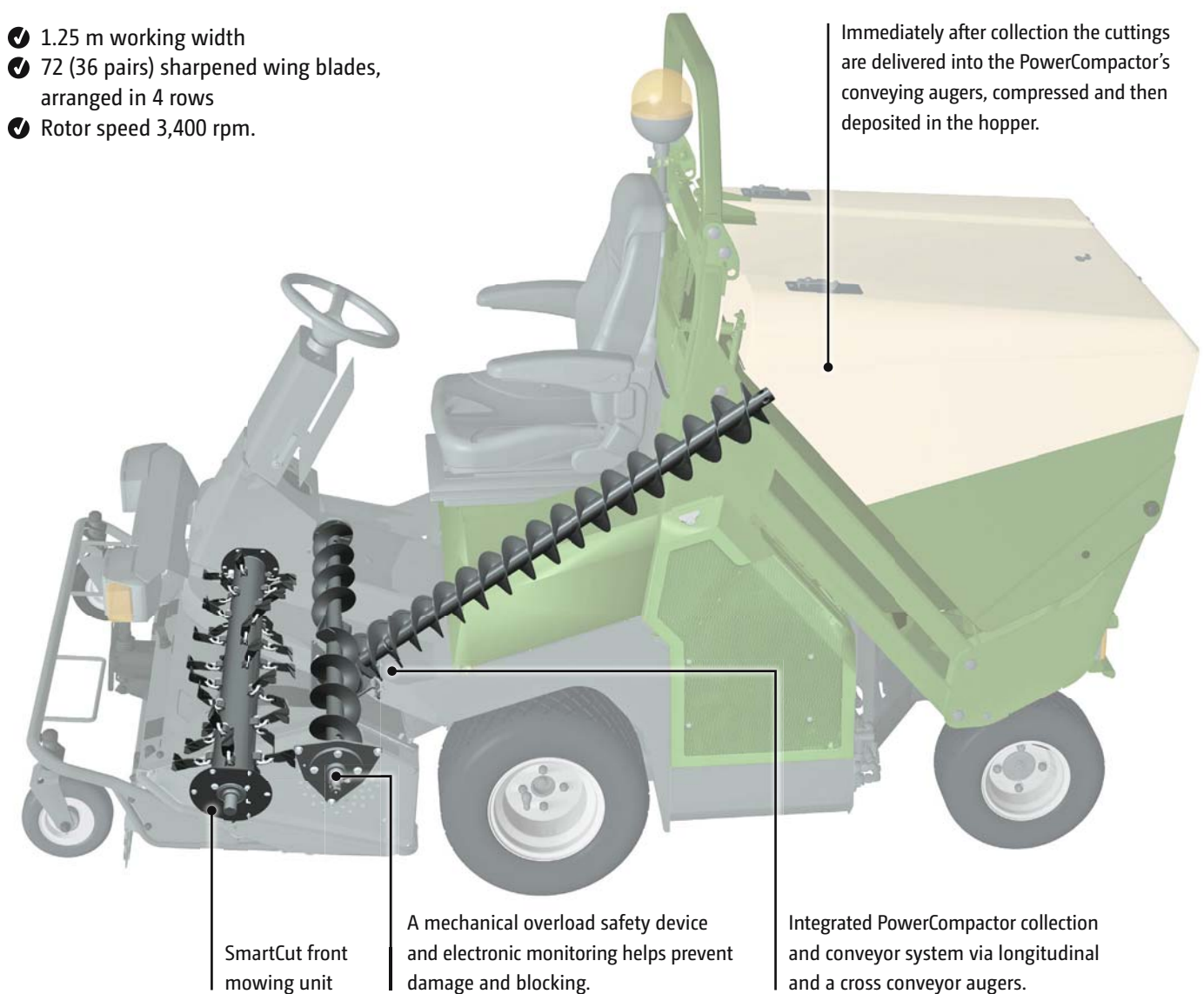
Healthy animals thanks to clean paddocks. The Profihopper mows patches of rank grass and the droppings are reliably collected.



# Ingenious: mowing – scarifying – compressing – collecting – emptying – mulching

## PowerCompactor with SmartCut:

- ✔ 1.25 m working width
- ✔ 72 (36 pairs) sharpened wing blades, arranged in 4 rows
- ✔ Rotor speed 3,400 rpm.



## Benefits of the PowerCompactor

- ✔ High conveying capacity allows maximum mowing efficiency
- ✔ Substantial compaction of the hopper contents means up to 1,000 l of cutting capacity
- ✔ Optimisation of the fuel consumption by the perfect teamwork of engine power and forward speed



# PowerCompactor

More efficiency – More output



❗ “The mowing unit cuts perfectly and, even under wet conditions, the cuttings are reliably delivered via the conveying augers into the large collecting hopper.”

(Practice test from the magazine 'Kommunaltechnik' · 07/2013)

## PowerCompactor: extended and reliable operation without emptying!

With the PowerCompactor, the Profihopper opens up a new class in efficiency. The PowerCompactor features a collection auger system that consists of longitudinal and cross conveyor augers, allowing the Profihopper, in comparison with other mowers, a higher conveying capacity and thus forward speeds, even in tall grass.

Immediately after collection the cuttings are compressed via the auger conveyor system and collected in the hopper. Thanks to this compression, 1,000 l of uncompressed cuttings can be fitted into the 730 l collection hopper. This principle increases the hopper capacity by almost 50%. So, compared with a usual mower, the hopper capacity of the Profihopper is approximately 1,000 l. Time losses due to hopper emptying are reduced immediately by 50% and simultaneously the efficiency of both machine and manpower is increased.

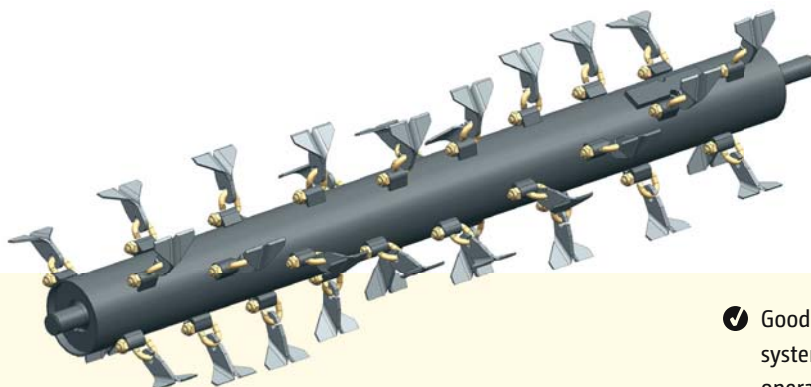
## AMAZONE SmartCut exact cut rotor

The outstanding feature of the rotor is the specific V-shaped arrangement of the knives resulting in an improved performance both when cutting and collecting; and at a reduced noise level. For this innovation, AMAZONE was awarded a Silver Medal by the Innovations Jury at Demopark 2013.

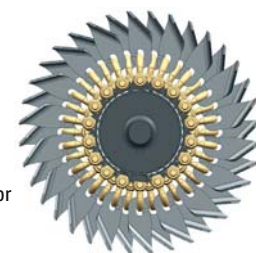
## Benefits of the SmartCut exact cut rotor

- ✔ Precise and clean cutting in one pass
- ✔ Improved collection quality
- ✔ Reduced noise levels
- ✔ Quick and easy knife change

✔ AMAZONE SmartCut exact cut rotor



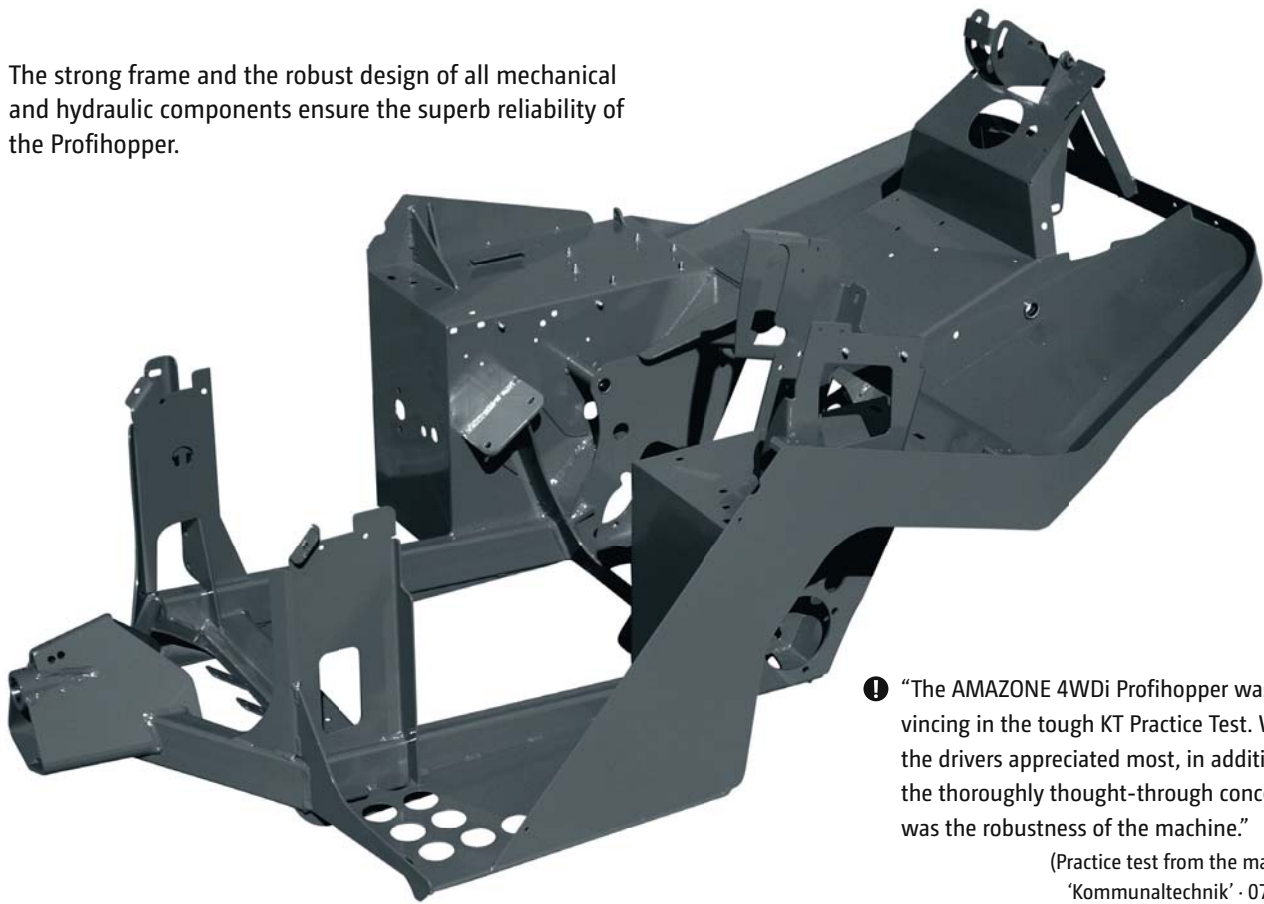
Side view of the rotor



- ✔ Good for the operator and the environment: the delivery system does not require any air assistance and in this way operates at low noise levels and is virtually dust-free.

# Maximum robustness

The strong frame and the robust design of all mechanical and hydraulic components ensure the superb reliability of the Profihopper.



! “The AMAZONE 4WDi Profihopper was convincing in the tough KT Practice Test. What the drivers appreciated most, in addition to the thoroughly thought-through concept, was the robustness of the machine.”

(Practice test from the magazine ‘Kommunaltechnik’ · 07/2013)





# Handling made easy

! “The steering wheel can be adjusted to suit the driver – ideal.”

(Practice test from the magazine ‘Kommunaltechnik’ · 07/2013)

More safety for the operator due to the new folding rollbar which fulfills the requirements according to EN ISO 5395.



Comfort seat from GRAMMER with air-suspension and heated seat pad (optional).

The expansion tank is easily visible from the driver's seat, making for a simple check of the coolant liquid level.

From choice, either extra wide tyres or cleated tyres are available.

## Optional weatherproof canopy

To extend the scope of operation of your Profihopper in any weather conditions, a weatherproof canopy is available.



# SmartHandling

Comfortable – Compact – Operator friendly



- ❗ “The engine, well encapsulated against dirt, is located underneath a rubber flap which can be folded upwards.”  
(Practice test from the magazine ‘Kommunaltechnik’ · 07/2013)

- ✔ The use of high class components, such as the powerful 18 kW (24.5 HP) diesel engine, sets the machine apart as the choice of professionals
- ✔ 40 litre fuel tank for uninterrupted operation – the full working day long
- ✔ As standard, the AMAZONE Profihopper is equipped with a self-cleaning air cooling system to remedy any dirt collecting on the cooling cover



- ❗ “Also praised was the high-lift emptying of the collecting hopper. The Profihopper can unload cuttings up to a height of 2.1 m.”  
(Practice test from the magazine ‘Kommunaltechnik’ · 07/2013)



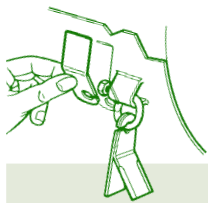
- ✔ Everything is convenient and simple to operate



# Blade change – simple, quick and safe!

## Different blades are available for individual applications

The blades are made from special treated steel to ensure a low wear rate. In addition, the blade system is resistant to foreign obstacles because each blade is independently suspended.



Knife exchange without tools	H77 long sharpened wing blade (standard)	H88 extra long sharpened wing blade	Scarifying blade 3 mm	Scarifying blade 2 mm	H77 long sharpened wing blade with scarifying blade	Sharpened H60 wing blades 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				●●●		●●●
Combing out lawns (e.g. supplementary to a cylinder mower)						●●●
Paddock maintenance					●●●	
Required number of knives	36 pairs	36 pairs	36 knives	36 knives	36 pairs + 36 knives	36 pairs + 36 knives

●●● Outstanding results



# This is the verdict of the Press

The Profihopper 1250 4WDi in operation



Hubert Dammann operating the Profihopper at a customer



# Garden and landscape company relies on AMAZONE technology

**!** “The machine is appealing for its reliability, no matter what the weather will be”

“It was in 2010 that we started with the first available Profihoppers”, the owner and manager Olaf Krause reports. Since then there has always been at least one Profihopper PH 1250 4WDi operating within the company. A 2013 machine has been operating reliably now for four years and has 1,130.5 operating hours on the clock. The company employs 60 people and offers, according to their own statement, everything. “Von A wie Abbruch bis Z wie Zaunbau” (from cutting to building fences), says the proud manager. Especially important for Olaf Krause is an in-house and reliable machine pool to be able to react flexibly and quickly.

“In total we mow more than 500 ha of grass per year, and a great deal of this work is done with the Profihopper. So far there have been no big problems”, Olaf Krause says. “On the contrary, the machine appeals because of its reliability, no matter what the weather. I send out my boys with the Profihopper where high outputs and reliability are required. Especially when it is wet and damp I know that I can fully rely on the Profihopper.” Olaf Krause is especially pleased by the SmartCut exact cut rotor which means the machine can mow, mulch and scarify in one pass and even leaves can be collected. “This saves valuable time and differs the machine from the other mowers”, comments the manager.

<b>Company:</b>	Olaf Krause GmbH & Co. KG
<b>Focus:</b>	Gardening and landscaping
<b>Site:</b>	Halle (Westf.)/Kölkebeck
<b>Climate:</b>	Middle European climate
<b>Employees:</b>	60
<b>Mower output and green area:</b>	in total over 500 ha/year
<b>Range of application:</b>	Mowing, mulching, scarifying and leaf collection
<b>Machine used:</b>	Profihopper PH 1250 4WDi

**✓** Olaf Krause is pleased above all by the reliability of the Profihopper and praises its robust engineering





# Always the right choice!

Make up your decision in favour of a Profihopper  
and be relaxed when facing the next task





# Technical data:

## Profihopper 1250 SmartLine self-propelled mower

Model	Profihopper 1250 iDrive SmartLine	Profihopper 1250 4WDi SmartLine
Drive system	Hydrostatic, front wheel drive, 2 hydraulic motors and 2 hydraulic pumps	Hydrostatic, all-wheel drive, 4 hydraulic motors and 2 hydraulic pumps
Weight with mowing deck	1,100 kg nett weight 1,600 kg permissible total weight	1,100 kg nett weight 1,600 kg permissible total weight
Steering system	Steering wheel: 0-turning circle	
Engine	Kohler diesel, water cooled, 3 cylinder, 1,068 ccm, 18 kW (24.5 HP)	
Fuel tank capacity	40 litres diesel	
Hydraulic oil capacity	15 litres	
Braking system	Hydrostatic and parking brake	
Mowing deck control	Electro-magnetic	
Forward speed	forwards: 0 to 12 km/h, infinitely variable reverse: 0 to 6 km/h, infinitely variable	
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 6PR	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
Dimensions with mowing deck	length: 2.785 metres · width: 1.482 metres · height: 1.994 metres	
Mowing deck	Working width: 1.25 metres, SmartCut rotor with 72 (36 pairs) H77 sharpened long wing blades and/or 36 scarifying blades, central step-less working height adjustment, guide wheels: 8 x 3.00-4-4 PR with reinforced Kevlar lining, rear support roller, hydraulic mowing deck lift, mulching flap	
Collection system	Cross and longitudinal conveyor augers with overload safety device Hopper volume: 730 litres, (when compressed equates to more than 1,000 litres of collected material), hydraulic high level discharge at 2.10 metres, acoustic 'hopper full' indicator	



Illustrations, content and technical data are not binding! Technical data may deviate according to the level of equipment. Machine illustrations can vary due to country-specific traffic legislation.





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