

# EUROCAT

PÖTTINGER front and rear drum mowers







## Drum-type mowers for a perfect cut

We rely on proven drum mower technology. The major advantage of our drum mowers is their high performance in dense grass crops. You benefit from the boost in crop flow and perfect swath formation. EUROCAT front- and rear-mounted mowers ensure first-class cutting quality, durability and output. Our front- and rear-mounted mowers minimise forage contamination thanks to their excellent balance and ability to follow undulations in the terrain. The result is maximum forage quality for your livestock. The lightweight EUROCAT CLASSIC Front mounted mowers are ideal for smaller tractors.

Drum-type mowers are known for their blockage-free, tidy cut. PÖTTINGER mower drum technology specialises in smooth crop flow and excellent clearance. Harvest time is short and precious. Ease of maintenance is extremely important at PÖTTINGER. The knives can be changed quick and easy with the quick-change system.

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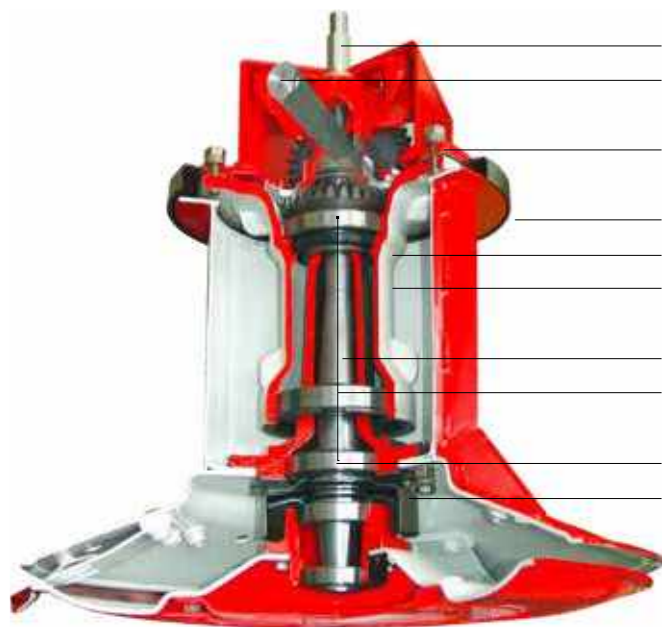
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# Mower drums for the highest expectations



## For many years of durability



- PLUS - Continuously variable adjustment of the cutting height
- The hexagonal driveshaft is split between the drums - making it easier to remove if required
- The mower drums are bolted to the bar on the outside so removal is easy.
- Overlapping cover plates
- The smooth running bevel gears run submerged in gear oil.
- Robust cast bearing housings - precision-machined using CNC machining centres.
- Central adjustment axle
- Precision bearings designed for the toughest conditions.
- Permanent lubrication
- Overlapping cover plates
- Two-piece saucers

### Spacer rings for different cutting heights

Spacer rings are utilized for different cutting heights at mowers without central cutting height adjustment.

### Two-piece saucers

The saucers are supplied in two parts and screwed. Simple and inexpensive changing. High-cut saucers from fine-grained steel provide additional cutting height of + 20 mm. Cutting heights up to 85 mm are possible especially for arable forage.



### Quick-change blades

Press down the spring clip by using a knife wrench. Remove the blade and slide the new blade into place. The blade holders are screwed with the mowing plates and can be changed quick and easy. In case of natural wear the blade holders can be displaced.



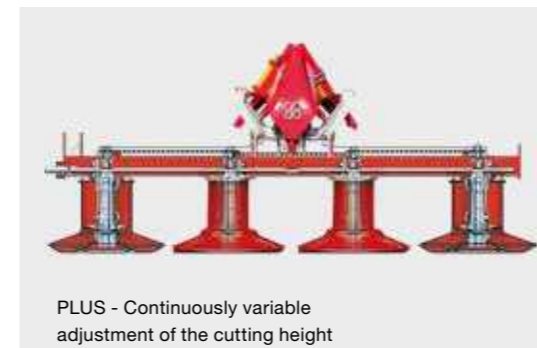
## EUROCAT front mowers

### PLUS - Continuously variable adjustment of the cutting height

The cutting height of all the drums is adjusted centrally – from 40 mm to 65 mm. The central adjusting axle does not rotate. As a result, the skid saucers do not rotate while the mower is raised. The robust adjusting device is maintenance free. The central axle of each rotor unit is protected over the full range of adjustment by overlapping cover plates. The whole adjustment range is lubricated for life to protect the adjustment mechanism against corrosion. A rubber boot prevents dirt and moisture from entering and ensures smooth operation.

### Plenty of clearance

To improve crop flow, the bodies of the inside drums have a smaller diameter. Swath formation is improved too and the drum mower runs more smoothly, especially in high volumes of forage.



PLUS - Continuously variable adjustment of the cutting height



# EUROCAT CLASSIC

Front mounted mowers



## Modern design – classic reliability

Minimum weight was the main priority when designing the CLASSIC generation of front mowers. The compact construction of the sleek headstock and the implementation of lightweight pressed components are the key features of these mowers. The demand for effective suspension to optimise ground tracking has also been met in full by our EUROCAT CLASSIC.



## Straightforward, practical weight alleviation

Two powerful springs ensure a uniform ground pressure over the whole width of the cutter bar. The chain length can be used to quickly optimise the pressure of the cutter bar.

## Ultimate ground tracking

The headstock is the trademark of perfect ground tracking. The sophisticated linkage geometry brings the centre of gravity as close to the tractor as possible in all working positions. Gimbals on the cutter bar guide arms guarantee smooth freedom of movement. With a travel of +/- 8 degrees, the mower is guided accurately over each bump in the ground. Stabiliser springs inside the headstock keep the mower centred during transport.



## Individually adjustable swathing discs

The individually adjustable swathing discs (optional) place the forage in a swath of the desired width. Additional swathing discs are available for even narrower swath placement.



## Drive from the field onto the road without leaving the cab

The side guards are strong full-length pressed steel parts. Hydraulic folding is available if required.





# EUROCAT ALPHA MOTION

Front mowers with an active headstock



## Simply tidy mowing

The best adaptation to every bump in the ground is the prerequisite for a neat mowing pattern. Our ALPHA MOTION front mowers meet all requirements.

### Unique ground tracking: ALPHA MOTION

ALPHA MOTION trailed front technology is characterised by the sophisticated kinematics of the active support frame. Compared to other mounting systems, not only do the guide arms respond to every undulation of the terrain, but also the mounting frame itself. As a result, the cutter bar inclines upwards over bumps and slants downwards into dips. The result: Clean forage. You benefit from a consistent cutting height, which leads to uniform growth and ultimately to higher yield for you.

### The ultimate headstock

Two large suspension springs are integrated into the headstock. These react quickly to any bump in the ground, which means that weight alleviation remains the same over the mower's entire working distance. This ensures uniform pressure on the ground – and protects your soil in the best possible way.

You can hitch up these mowers to any tractor starting at 55 hp, regardless of tractor make and type. The centre of gravity is close to the tractor in all working positions. You mow smoother as a result.



## Your advantages with ALPHA MOTION

- The active supporting frame and link rods guide the cutter bar over every undulation in the ground: The cutter bar rises to float over each bump and glides down into each dip.
- The mower moves virtually on a vertical plane, minimising telescoping of the PTO shaft and greatly reducing dynamic stress.
- Unique freedom of transverse movement +/- 16° thanks to gimbals on the linkage arms.
- Two powerful highly responsive springs in the headstock: Perfectly balanced weight alleviation over the whole working width. The mower can be driven at high speed without the cutter bar rising.
- A huge ground clearance of 350 mm is provided at headlands and in the transport position. You can drive over swaths without damaging them and transport the mower on bumpy tracks.
- Perfect view of the work area from the tractor seat thanks to sleek design of the headstock.

## Unique ground tracking to protect the sward and the machine





# EUROCAT ALPHA MOTION

MASTER / PRO models



## Even smoother mowing: ALPHA MOTION MASTER

The NOVACAT ALPHA MOTION MASTER front mower has a shortened three-point headstock and is 34 cm closer to the tractor. Because more weight acts on the rear axle of the tractor, you get even better driving performance. The power requirement is lower, which is why lighter tractors can also be used. This helps you save fuel. In addition, the new mower is lighter.

A conditioner is not available on this model.



## New: ALPHA MOTION PRO

Proven ALPHA MOTION front mower technology is now even easier to use.

The new NOVACAT ALPHA MOTION PRO front mower features a new design, delivers the first-class ground tracking you expect from our machinery, and makes your working day a great deal easier:

- The three-point linkage ensures easy attachment to any size of tractor.
- The folding front guard provides the best access to the cutter bar for cleaning and changing blades.
- It is easy to release of the cover for convenient adjustment of the suspension springs.
- A central greasing point on the headstock makes servicing easier.

You can use the ALPHA MOTION PRO models with swath doors instead of a conditioner, in combination with either an ED tine conditioner or a RCB roller conditioner.



# EUROCAT

Rear mounted mowers



## Hitching up made easy

### Hydraulic lower linkage arm

The hydraulic lower linkage arm makes it easy for you to hitch up without having to adjust the linkage struts on the tractor. This ensures you always have the right weight alleviation and plenty of ground clearance at headlands.

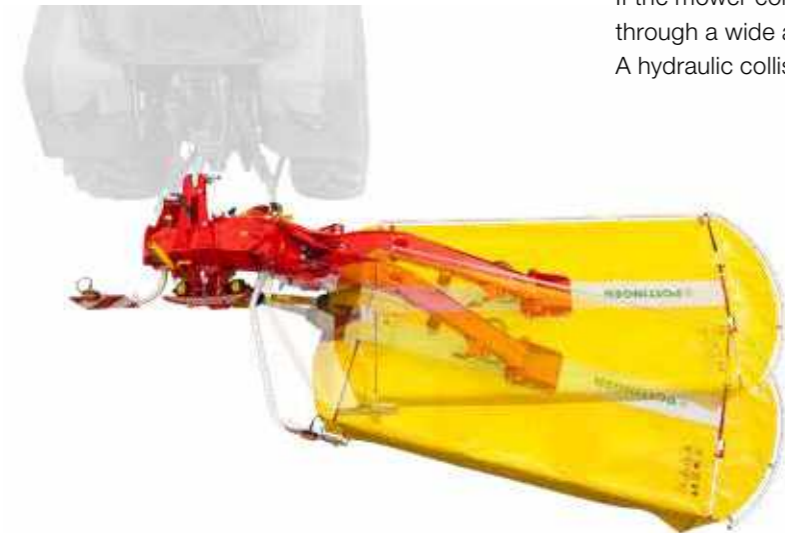
### Variable mounting made easy

Thanks to the adjustable mounting pins, these mowers can be hitched up to a wide range of tractor types quickly and easily. As a result you make full use of the whole mowing width.

- Practical PTO shaft holder makes hitching up easier.
- A handy blade box provides space for replacement blades.
- The blade tool is kept on the machine.

## Collision safety device

If the mower collides with any obstacles, the cutter bar can fold back through a wide arc to the rear. The triggering force is adjustable. A hydraulic collision safety device is also available as an option.



Developed by PÖTTINGER – the “floating cut” is the decisive factor.

Since the mid-80s, our mower developments have focussed on the “floating cut”. Optimised ground tracking and sward conservation thanks to reduced pressure on the ground is what farmers demand on all mowers.

## Centre pivot mounting for optimised ground tracking

The EUROCAT centre pivot mounting supports the cutter bar evenly over the entire cutting width. This reduces the power input required – an enormous advantage when mowing with a conditioner.

The wide +/- 22.5 degree arc of movement enables easy mowing on rough ground and embankments.

## Effective weight alleviation

Hydraulic weight alleviation **(1)** provides uniform ground pressure over the whole cutter bar width. The pressure of the cutter bar on the ground can be infinitely-variable adjusted depending on the condition of the ground and the conditioner or swath formers fitted. No additional filling hose is required and you can read the current pressure at the pressure gauge. In dry, hard conditions the ground pressure can be increased to stabilise the cutter bar at high driving speeds. Damp, soft conditions require a reduction in ground pressure to ensure the best ground tracking and conservation of the sward.



# EUROCAT

Ingenious technology



## Driveline

All drive elements are robust and large dimensioned. Two driveshafts and an angular gearbox ensure reliable power transmission. Exceptional smooth running is guaranteed. A friction clutch and freewheel provide optimum protection. The gears run submerged in gear oil and are maintenance free



## Space saving parking

With the optional parking stands they can be parked in the smallest of spaces.



## Practical transport position

The cutter bar is raised using double-acting spool valves. A low transport height is achieved by folding the mower through 115°. The centre of gravity is on the tractor's centreline and the driver has a clear view to the rear in both side mirrors.



## ED tine-type conditioner

**The EXTRA DRY conditioner is a joint development with the Institute of Agricultural Engineering (IMAG-DLO) in Wageningen (Holland) that started in 1997 to prove there is better way. Your forage dries measurably faster thanks to the adjustable conditioning intensity and wide placement.**

V-shaped steel tines of hardened steel guarantee a continuous flow of crop and an extended service life. The tines are mounted on rubber elements in a spiral configuration on the conditioning roller.



## EXTRA DRY drying accelerator

The tine rotor propels the forage across an adjustable conditioning plate. Adjustable guide vanes distribute the flow of crop over the whole mowed width. The forage is then deposited in a uniform and airy blanket by the wide-spread hood. Adjustable swath doors can be used to form a swath.

## Even more flexibility

Power is transmitted from the cutter bar gearbox to the rotor by V-belts with a spring-loaded belt tensioner. If you don't need the conditioner, just remove it.

- The V-belts are easily detached for removing the conditioner
- The driveline is reliably protected against contamination.
- The greasing point is located on the outside for easy access.





# Technical data



## EUROCAT CLASSIC Front mower with four drums

	Working width	Mounting	Placement width without swathing discs	2 / 4 Swathing discs
EUROCAT 271 CLASSIC	2.70 m	A-frame mounting	–	1.4 m / 0.9 m
EUROCAT 311 CLASSIC	3.05 m	A-frame mounting	–	1.4 m / 1.0 m
EUROCAT 311 PLUS CLASSIC	3.05 m	A-frame mounting	–	1.4 m / 1.0 m

## EUROCAT ALPHA MOTION

EUROCAT 311 ALPHA MOTION MASTER	3.05 m	Cat. 2 / 2	–	1.4 m / 1.0 m
EUROCAT 311 ALPHA MOTION PRO	3.05 m	Cat. 2 / 2	–	1.4 m / 1.0 m
EUROCAT 311 ALPHA MOTION PLUS MASTER	3.05 m	Cat. 2 / 2	–	1.4 m / 1.0 m
EUROCAT 311 ALPHA MOTION PLUS PRO	3.05 m	Cat. 2 / 2	–	1.4 m / 1.0 m
EUROCAT 311 ALPHA MOTION PLUS ED PRO	3.05 m	Cat. 2 / 2	2.7 m – 1.9 m	–

## EUROCAT Rear mower with four drums

EUROCAT 272	2.70 m	Cat. 2 / 2 and 3 / 3	1.8 m	1.4 m / 0.9 m
EUROCAT 272 ED	2.70 m	Cat. 3 / 3	1.6 m – 1.2 m	–
EUROCAT 312	3.05 m	Cat. 3 / 3	2.2 m	1.8 m / 1.4 m

## Tractor PTO speed    Transport width / height    Power requirement from    Hectares per hour up to    Weight

1000 rpm	2.65 m	40 kW / 55 hp	2.7 ha/h	785 kg
1000 rpm	3.0 m	44 kW / 60 hp	3.2 ha/h	865 kg
1000 rpm	3.0 m	44 kW / 60 hp	3.2 ha/h	925 kg
1000 rpm	3.0 m	44 kW / 60 hp	3.2 ha/h	1025 kg
1000 rpm	3.0 m	44 kW / 60 hp	3.2 ha/h	1045 kg
1000 rpm	3.0 m	44 kW / 60 hp	3.2 ha/h	1065 kg
1000 rpm	3.0 m	44 kW / 60 hp	3.2 ha/h	1085 kg
1000 rpm	3.0 m	52 kW / 75 HP	3.2 ha/h	1285 kg
1000 rpm	3.60 m	52 kW / 75 hp	2.7 ha/h	1030 kg
1000 rpm	3.60 m	52 kW / 75 hp	2.7 ha/h	1290 kg
1000 rpm	3.80 m	59 kW / 80 hp	3.2 ha/h	1090 kg



# Standard & optional equipment



	Hydraulic Folding side guard	Swathing discs left / right	Additional swathing discs
EUROCAT 271 CLASSIC	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EUROCAT 311 CLASSIC	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EUROCAT 311 PLUS CLASSIC	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EUROCAT 311 ALPHA MOTION MASTER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EUROCAT 311 ALPHA MOTION PRO	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EUROCAT 311 ALPHA MOTION PLUS MASTER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EUROCAT 311 ALPHA MOTION PLUS PRO	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EUROCAT 311 ALPHA MOTION PLUS ED PRO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EUROCAT 272	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EUROCAT 272 ED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EUROCAT 312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

■ = Standard, □ = Optional

## More equipment options

- 540 rpm PTO speed
- Chassis and quick-change pins for ED conditioner



	Cutting height infinitely-variable	Spacer ring + 6 / 12 mm	High cut saucer + 20 mm	Warning signs Lighting
-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40 – 65 mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40 – 65 mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40 – 65 mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## EUROCAT 272, EUROCAT 312

- Parking stands for storing in a folded vertical position
- Hydraulic collision safety device





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- Operating instructions
- Optional equipment information
- Brochures
- Photos and videos



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