

**EXTRA 228-232-428H-432H-440H**



# **Mounted Plain Disc Mowers**



# Cutting Performance in New Dimensions

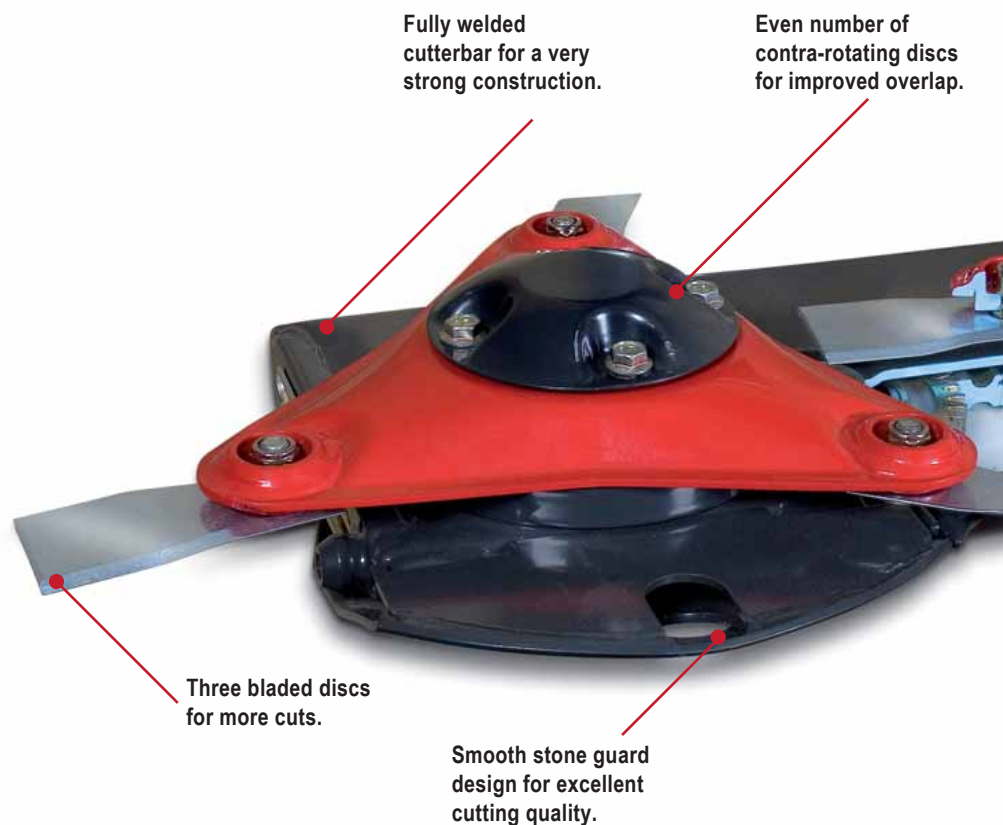


## Low Noise Cutterbar

The newly developed EXTRA cutterbar is designed for low maintenance and offers a very quiet operation. Operators will immediately love the virtually quiet operation of the new cutterbar – convenient during a long and busy working day. The long curved gear wheels run smoothly in oil and provide lots of power transmission with little slack.

## Heavy Duty Cutterbar

The EXTRA cutterbar has a high oil capacity, which ensures a very low working temperature. This guarantees an efficient oil cooling and lubrication of the whole cutterbar. The fully welded cutterbar with overlapping C-profiles makes for a very stiff and strong design, ensuring a very high level of durability.



The complete front can be opened for easy inspection of the cutterbar.

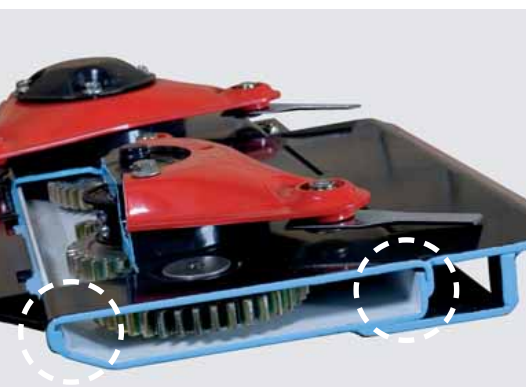
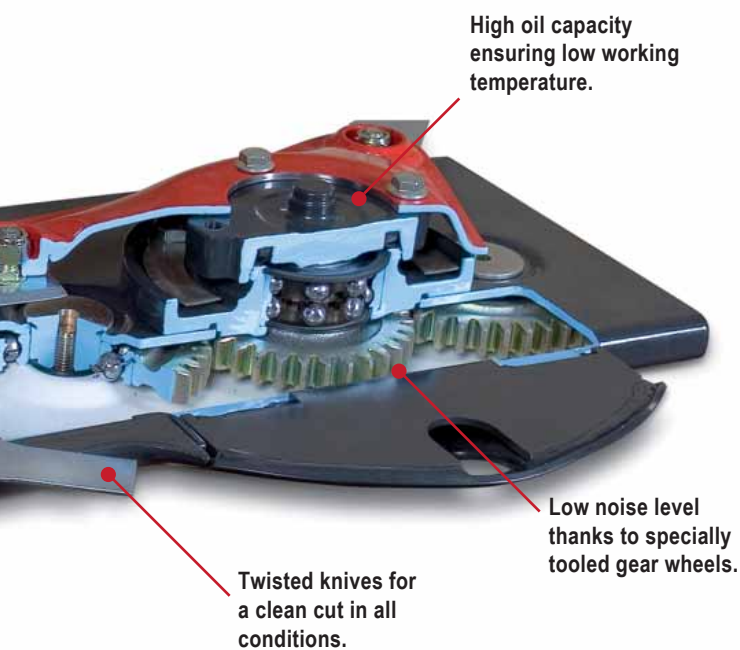


To protect the gear wheels and the drive system, Vicon uses a two-key safety device, designed to break in case of overload.



Each individual disc bearing housing can be removed very quickly for easy maintenance and bearing replacement.

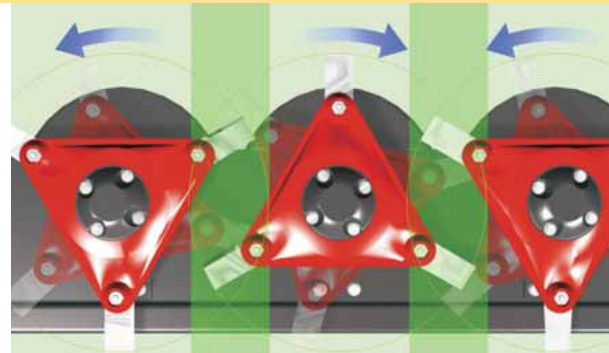




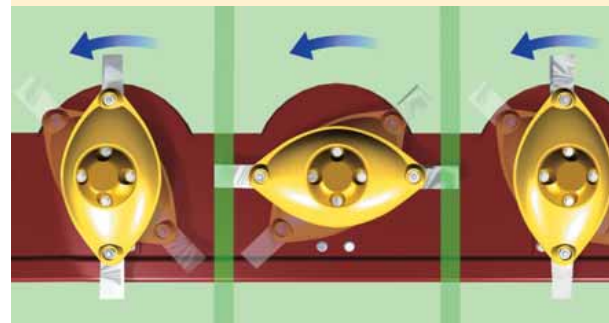
Fully welded cutterbar with overlapping C-profiles for a very strong and stiff construction.



Low noise level thanks to specially tooled gear wheels with round design and long teeth for efficient power transmission.



Vicon's contra-rotating three bladed discs provide a wider overlap on each disc compared to solutions with uneven number of discs.



## Contra-Rotating Three Bladed Discs

### Three Bladed Discs for More Cuts

With three blades per disc Vicon EXTRA mowers are constantly cutting. This means a third less load per blade and an even load on the drive and smoother power usage in addition to producing a neat, cleanly cut stubble. Each steel blade is precisely angled to immediately convey the cut crop upwards with a combination of mechanical action and air flow towards the conditioning rotor or rollers.

### Contra-Rotating Cutting Discs for Improved Overlap

All Vicon mowers have an even number of contra-rotating discs. Apart from the immediate crop transport to the rear this system ensures that even in wet conditions no stripes of uncut forage are left in the field.



# EXTRAΔ 228-232

## Easily Operated and Durable Machines



### Excellent price to output ratio

The EXTRAΔ 200 models are lightweight, simple mowers with a compact but durable design, for maximum output at a competitive price.

They are offered in working widths of 2.8 and 3.2 m. Featuring the EXTRAΔ cutterbar with triangular discs, continuous and excellent cutting performance, especially in difficult crop conditions, is ensured.

### Flexible suspension

Vicon EXTRAΔ 200 models offer a very flexible suspension, providing perfect ground contour following. Due to the very flexible suspension, the mowers are exceptionally well qualified for work on slopes and in hilly conditions, with an operating angle of 35° up and down.



The design allows mowing at extreme angles.





Safe and narrow transport solution.



Spring loaded v-belt drive.



Swath disc (optional) to separate the mown crop from the unmown.

### Transport Solution

When in transport, the mowers are folded hydraulically to a vertical position well behind the tractor. The centre of gravity is close to the tractor, which ensures excellent weight distribution and transport stability. Easy and safe!

### Protection of the cutterbar

An integrated breakaway system will protect the cutterbar from foreign obstacles. If hitting an obstacle, the breakaway system will swing the machine backwards and over the obstacle and then return it to the original working position.

### Powerful drive

The mowers are equipped with a powerful and flexible spring loaded v-belt drive. As the belt loosens, the spring pushes the drive wheel outwards, automatically tensioning the belt.

### Easy Operation

Adjustable suspension springs are easily set, to provide the ground pressure required. Once the machines have been set correctly, all operations can be done from inside the tractor. No use of the 3 pt linkage is needed when lifting on headlands or going into transport position.

### Optional Equipment

The EXTRA 200 series offers a range of optional equipment including swath discs or swath boards, to help separate the mown crop from the unmown, as well as high skirts which are useful in stony or soft ground conditions.



Easily set adjustable suspension springs.





# EXTRA 428H-432H

## Compact Design – High Output



### The new EXTRA 428H & 432H

Vicon now introduces a new centre mounted plain disc mower with a hydraulically suspended design in two working widths of 2.8 & 3.2 m. The EXTRA 428H & 432H are fitted with the fully welded EXTRA cutterbar, with an even number of contra-rotating discs for a wider overlap, and excellent cutting results in all conditions. Special efforts have been made to make daily operation as easy, straightforward and effective as possible.

### EXTRA 428H & 432H in short:

- Hydraulic suspension for precise setting of ground pressure and superb adaptation.
- Centre suspension for even weight distribution, stable operation and quick reactions to changes in contours.
- Easy lift on headlands without activating the 3 pt linkage – sufficient clearing under the cutterbar.
- Integrated breakaway system protecting the cutterbar.
- Excellent ground following on slopes - 15° upwards and downwards mowing operation range.

### Obvious Advantages

The machines are suspended in the centre of gravity offering several advantages. The advantages include equal ground pressure and fast adaptation to varying field contours. These features facilitate a cleaner cut, better protection of the stubble and in addition an improved fuel economy, as well as less skid wear.





### Excellent Power Transmission

EXTRA 428H & 432H are equipped with a direct drive system from the gearbox to the first disc. This ensures an efficient power transmission and allows you to take full advantage of the whole width of the cutterbar.



Direct drive from the gearbox to the first disc for efficient power transmission.

### Flexible Mowing on Slopes

The new design of the suspension, with an extra pivoting point, allows greater flexibility in the working range, enabling mower operation at 15° upward or downward angles. This offers great advantages when working on hillsides or along ditches, and also makes it easier to manoeuvre the machine on headlands.

### Safe and Easy Transport

For transport the mower is swung hydraulically into horizontal position behind the tractor. Fast and easy conversion, with no need to leave the tractor. With the narrow and very low position, safe transport is ensured.





**EXTRAΔ 428H-432H**

# **Excellent Ground Adaptation!**



## **Hydraulic Centre Suspension**

The EXTRAΔ 428H and 432H are centre suspended to ensure an even weight distribution and excellent ground adaptation across the entire working width. The result is an optimal operation of the mower, the best possible protection of the ground surface, as well as a minimized fuel consumption.

## **Superb Ground Adaptation**

The hydraulic ground pressure is easily and quickly adjusted. The perfect ground pressure is set using a two-chamber hydraulic cylinder and a hydraulic valve. The current ground pressure is indicated on the manometer, which is mounted on the machine.

## **Breakaway system**

The EXTRAΔ 400 series is fitted with an automatic breakaway system to protect the cutterbar. If an obstruction is hit in the field, the mowing section will swing backwards and up. This gives maximum protection of the cutterbar. There is no need to stop - or to reverse the tractor, to get the mowing unit into working position again - the cutting section will automatically return to its original working position.



### Easy Lift on Headland

Lifting of EXTRA 428H and 432H is easily done via a hydraulic cylinder, which means there is no need to activate the tractor's 3pt linkage. As the PTO stays in the same position, vibrations in the transmission are eliminated, implying less wear on tractor and machine.



### Headland Turns

Along with the easily adjustable and precise setting of ground pressure, the hydraulic suspension also ensures that EXTRA 428H and 432H offer sufficient clearing during headland turns, so that current swaths remain undamaged.



Centre mounted suspension for even weight distribution and fast adaptation to ground contours.



Hydraulic setting of ground pressure for excellent adaptation.



Automatic breakaway system.



## EXTRA 440H

# Hydraulic Suspension for Unmatched Performance!



### The 4 m solution

The new EXTRA 440H is truly a high performance mower with its 4.0 m working width and 10 contra-rotating round discs. It combines the best of centre suspension from the EXTRA 400H series with a new hydraulic suspension to ensure more even flotation of the 4 m wide mowing unit.

### Headland turns

Turning on headlands is easy with the EXTRA 440H. The cutterbar is lifted without activating the three-point linkage of the tractor which needs no adjustment in the field. When working in the field the EXTRA 440H offers good clearance which prevents damage to the swath during operation.



Hydraulic suspension for precise setting of ground pressure.



Centre suspension for even weight distribution.

### Hydraulic suspension

The EXTRA 440H is designed with a new hydraulic suspension that offers improved ground adaptation. The ground pressure of the mowing unit is easily adjusted, to allow adaptation to varying field conditions, ensuring an even cutting height. The ground pressure is continuously and quickly adaptable, by using the lever on the suspension.



The mower is swung hydraulically into a horizontal transport position.



# Technical Specifications

Type	EXTRA 228	EXTRA 232	EXTRA 428H	EXTRA 432H	EXTRA 440H
Working width (m)	2.80	3.20	2.80	3.20	4.00
Weight approx. (kgs)	609	643	700	775	925
Number of discs	8	8	8	8	10
Number of blades	24	24	24	24	30
Stubble height (mm)	20-50	20-50	35-60	35-60	35-60
Discs (rpm)	3000	3000	3000	3000	3000
Power requirem. min (kW/hp)	37/50	40/55	41/55	48/65	66/85*
PTO standard	540	540	540	540	1000
PTO optional	1000	1000	1000	1000	-
Overrun clutch	•	•	•	•	•
Friction clutch	-	-	•	•	•
Transport	Hydraulic folding to vertical position		Hydraulic folding to horizontal position		
Straw divider	o	o	o	o	o
Skids for mowing height adjust.	o	o	o	o	o
Throwing wings	o	o	o	o	o
Swath discs L/R	o	o	o	o	o
Swath board L/R	o	o	o	o	o
Lighting kit	o	o	o	o	o

\* Minimum requirement on weight of tractor. • = standard o = optional

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