

Experience True Performance!



Kverneland Taarup - Innovative Solutions Meeting Every Demand



A Complete Range

With the introduction of the latest mower and mower conditioner models, Kverneland Taarup offers a complete range of highly efficient products, renewed entirely within recent years.

Innovative Solutions

Considerable devotion to the development of innovative high quality products, founded on extensive insight into customer expectations, allows us to offer machines suitable for any mowing operation.

Unique Features

The Kverneland Taarup ingenuity enables us to offer several unique features, which have all been developed to make machine operation as simple and effective as possible.





3224 MT-3228 MT Nylon Tine Cond. Working Width 2.4-2.8 m



3628 FT-3632 FT-3636 FT SemiSwing Cond. Working Width 2.8-3.6 m



5090 MT SemiSwing Cond. Working Width 9.0 m





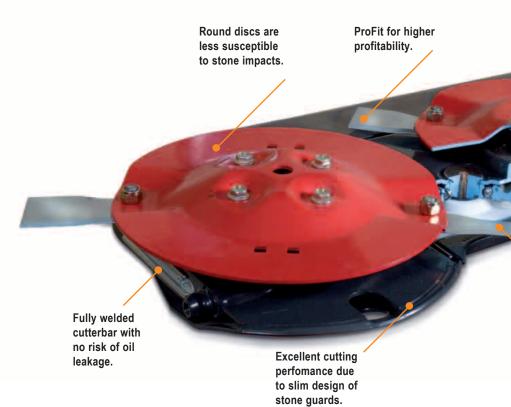
3632 FR Chevron Roller Cond. Working Width 3.2 m

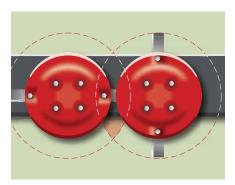
A Cutterbar Built to Work as Hard as You!

The Kverneland Taarup cutterbar has been designed for hard work. Several design features support this fact, including the well established round discs for a clean and aggressive cut and an extremely strong fully welded cutterbar housing which eliminates oil leaks. Furthermore a high oil volume ensures excellent lubrication and cooling during operation. The gear wheels, with their unique rounded design, are tooled to perfection for silent yet reliable power transmission.

Round Discs – Outstanding Cut and Perfect Protection

The round discs have always been a known Kverneland Taarup hallmark. The unique circular design means that a constant distance is kept between the outer edges of the discs. Stones are expelled immediately before risking blockage, which reduces shock loads on the transmission to an absolute minimum. This in turn improves durability and maintenance substantially.

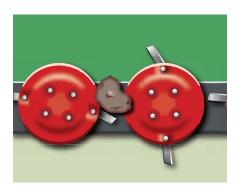




Large overlap of the cutting knives for outstanding cutting performance.

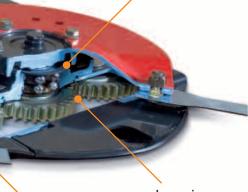


Smooth design of stone guards for improved cutting performance, particularly in laid and difficult crop.



Round discs will immediately reject foreign obstacles. Shock loads on the cutterbar are diminished.

Very high oil capacity for excellent cooling and lubrication.



Twisted knives for the cleanest cut under all conditions.

Low noise level due to specially tooled gear wheels.

Kverneland Taarup ProFit

- For Quick Change of Knives

With the Kverneland Taarup ProFit quick knife change system, maintenance of the cutting ability is easy. The knives are changed by a simple operation using the special lever - delivered with the ProFit package. The lever is placed around the bolt, the spring is easily pushed down by turning the lever and the knife is ready to be replaced by a new one.

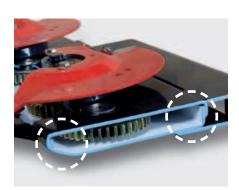
Kverneland Taarup ProFit is designed for standard discs and can therefore be fitted on all existing cutterbars.

Safety In Mind

The knives are securely fixed via a spring, which is fitted with the disc on the hub. This minimizes the possibility of grass being caught by the spring and also reduces friction between spring and cutterbar.

When encountering an obstacle, the spring will be pushed upwards, reducing the risk of loosing knives.





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

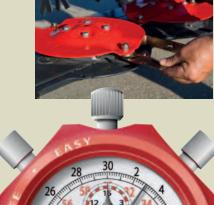


Low noise level thanks to specially tooled gear wheels with round design and long teeth for efficient power transmission.

»1,2,3...

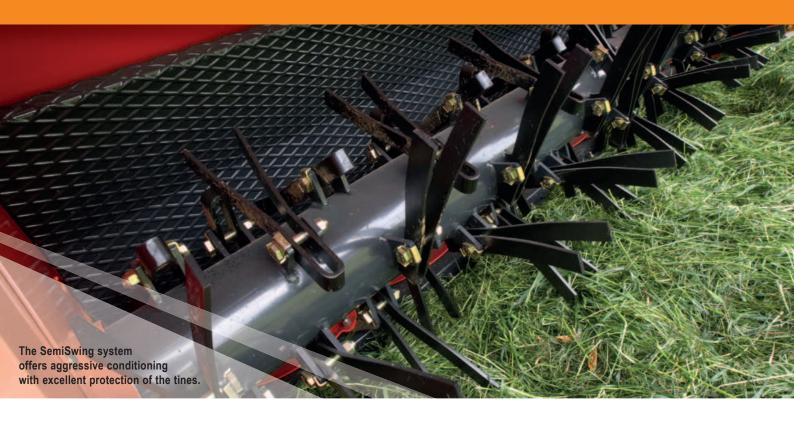








The Conditioner with a Little More Bite!



More Aggressive Conditioning

The Kverneland Taarup steel tine conditioner offers a completely new solution when it comes to aggressive conditioning and low maintenance. It is the result of thorough testing and engineering work to reach the same aggressive conditioning known from fixed tines, but with a high degree of protection of the tine when hitting foreign obstacles. The result is the Kverneland Taarup SemiSwing steel tines.



The conditioner plate can be set in 3 positions according to the required conditioner effect.

Combining the Best from Other Systems

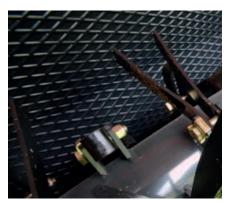
The SemiSwing conditioner system combines the aggressive conditioning seen from fixed fingers with the excellent tine protection typically associated with free swinging tines. The centre of gravity has been moved to fully utilise the centrifugal force. The benefits from the SemiSwing system are very aggressive conditioning and drastically diminished maintenance costs.



The conditioner is driven by 3 V-belts, providing smooth, silent power transmission to the rotor.

Excellent Protection of the Tines

During normal operation the tines are fixed for effective conditioning, but if a SemiSwing tine comes into contact with an obstacle, force will exceed 22 kg (48.5 lbs) and it will spring back and leave a generous space for the obstacles up to 103 mm to pass.



The fish bone structure of the conditioner plate gives an improved conditioner effect as the crop is rubbed against the plate, to crack the leaf structure of the crop.

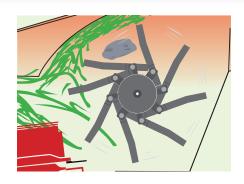
F_{centr.} xa≥F_{crop}

1: Reduced Wear and Tear

The complete conditioner tine has been redesigned to move the centre of gravity, and to fully utilise the centrifugal force. This means that the force from the SemiSwing tine will be significantly higher than from a traditional free swinging tine. The result is, that the tine will stay in position when hitting the crop, to give full conditioner effect and minimise wear and tear on the turning points.

2: Excellent Protection of The Tines

When hitting an obstacle, the new SemiSwing steel tines are able to bend backwards and let obstacles pass through. This allows large obstacles (up to 103 mm) to pass without breaking the tines. No broken tines will end up in the following pick up.

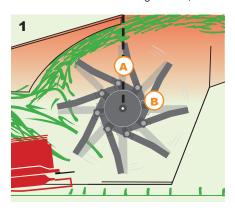


Full Conditioner Effect and Minimum Blockages

The angle and position of the SemiSwing tines give a better crop transport. The crop is moved away from the conditioner rotor towards the fishbone structure of the conditioner plate. The result is reduced risk of blockages and full effect of the conditioner plate.

3: What Makes The SemiSwing Concept Unique

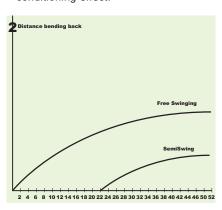
A: The centrifugal force will always try to move a free swinging tine into a 90° position (A) during rotation. The new SemiSwing tines are fixed by the rotor (B). This means that the SemiSwing tine has excess centrifugal force,



A: Free swinging tine.

B: Kverneland Taarup SemiSwing tine.

because it will always try to move further to the right, into the same position as a free swinging tine. The centrifugal force is utilised to resist the crop, and to ensure that the tine will stay in position. The benefits are no movement during rotation and full conditioning effect.



A force of 22 kg is required to move the SemiSwing tines backwards.

B: It requires a crop weight of 22 kg on the tines to move the SemiSwing tines backwards. A free swinging tine will move slightly backwards as soon as it hits the crop. This means that the contra-weight from heavy crop required to move the Semiswing tines back-wards, is significantly higher than with traditional tines.



Light Machines with Weighty Arguments



Light Weight Machine with Aggressive Conditioning

Kverneland Taarup has introduced two new centre mounted mower conditioners, 3224 MT and 3228 MT, in working widths of 2.4 and 2.8 m. They are both fitted with the well proven Kverneland Taarup cutterbar with slim design for improved cutting performance.

Due to the nylon tines fitted to the conditioner, the total weight of the machine is kept to a minimum, while keeping an aggressive conditioning. The fixed conditioning fingers are made from high quality nylon, to make them very rigid. This means excellent protection from stones and other obstacles. A perfect solution for farmer and smaller contractor machines!

Centre Suspension

The mowing units are suspended in the centre of gravity via a large suspension spring. This design provides an even weight distribution across the entire mowing width, as well as a constant, faster and more precise adaptation to ground contours. The benefit is less skid wear, optimum protection of the stubble and less fuel consumption.



Kverneland Taarup cutterbar for improved cutting performance.



Rigid nylon tines provide aggressive conditioning.



The centre suspended design ensures excellent ground adaptation.

- Centre Mounted Spring Suspension
- Nylon Tine Conditioning
- Vertical Transport Solution
- 540/1000 Rpm Gearbox
- 600/900 Rpm Conditioner Rotor
- Kverneland Taarup BreakBack System



Vertical Transport Solution

Kverneland Taarup 3224 MT and 3228 MT are folded into a 125° vertical transport position using a hydraulic cylinder. The low gravity point during transport, with the weight of the mower close to the tractor, provides an excellent weight distribution. The tractor and mower remains well balanced, even during high speed road transport, and the machine is fixed during transport by the hydraulic lifting arm. In addition transport height is limited, so passing through narrow gateways or under bridges is not a problem. Another benefit is that the hydraulic cylinder also supports quick lifting of the mower from working to headland position.



Easy Adaptation to Varying Crop Conditions

Kverneland Taarup 3224 MT and 3228 MT offer as standard two conditioner rotor speeds. The rotor speed can be easily changed by simply switching pulleys, to adapt to different conditioning requirements. At low conditioner speed, fuel consumption is minimized.

Protection of the Cutterbar

To offer maximum protection of the cutterbar, these machines are fitted with the well-known Kverneland Taarup BreakBack solution. When encountering an obstacle, the BreakBack will swing the machine backwards and over the obstacle, returning it to the original working position once the obstacle has been passed.

Adjustable Gearbox Speed

The machines also offer a large degree of operating adaptability, as they are factory fitted with the option of being operated with either 540 or 1000 rpm. It requires no additional accessory. All that is needed is simply to turn the main gearbox on the suspension 180°. Widespreading equipment can be fitted to the machine as an option.



Rotor speed can be easily changed to adapt to different conditions.



BreakBack system for optimal protection of the cutterbar.



Two speed gearbox – switched by turning the main gearbox 180°.

Adjustments Made Simple!



The Contractor Solution

The 3132 MT is a real contractor solution with its 3.2 m working width, and is the ideal mower to operate in combination with a front mounted mower, for a substantial working width of 6.2 m at low operating costs.

The heavy duty headstock and centre pivot mowing unit, in combination with a hydraulic suspension, makes this a very solid and professional mowing solution.

Other important features of the 3132 MT include the SemiSwing steel tine conditioning with very limited wear, and hence low operating costs and downtime, and the optional FlipOver wide spreading kit that speeds up the wilting process.

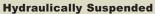
Kverneland Taarup HydroFloat

The 3132 MT is designed with a hydraulic suspension system, allowing easy setting of ground pressure, to adapt to varying field conditions. This provides the best conditions, for an even cutting height and maximum protection of the stubble. The result is better forage quality, less wear on the mower and reduced fuel consumption.

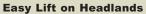


Centre Pivot Suspension

The centre pivot suspension provides an even weight distribution of the 3132MT and a uniform ground pressure over the complete 3.2 m working width, ensuring good ground contour following.



Hydraulic suspension for quick and precise setting of ground pressure to varying ground conditions. The suspension is adjusted from the tractor seat at any time, simplifying setting of the best conditions for an even cutting height and maximum protection of the stubble.



Easy lift on headlands without activating the 3pt linkage of the tractor. The mowing unit is lifted via a cylinder. Turning is simple thanks to sufficient ground clearance.

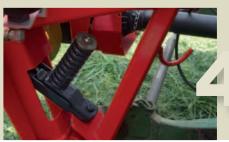
Break-Back

If hitting an obstacle, the Non-Stop breakaway system will swing the machine backwards and over the obstacle and then return it to the original working position.









The ground pressure can be continuously and quickly adjusted from the tractor seat, even while operating. All you need to do, is to activate the hydraulic outlet.



During transport the machine is folded hydraulically to a horizontal position well in behind the tractor, thus minimising transport width.



With the optional FlipOver equipment, changing from swathing to effective wide spreading is done in a matter of seconds.

Versatility Exemplified

A Professional Solution

Kverneland Taarup 3628 FT, 3632 FR, 3632 FT and 3636 FT are characterized by an improved design of the suspension and accurate ground followings. In addition the Kverneland Taarup cutter-

bar, with improved cutting performance, and the SemiSwing steel tine or chevron roller conditioner is also fitted onto these machines. The SemiSwing concept is based on high quality steel tines with low wear and high resistance, and has proven

to have significantly reduced maintenance costs. In addition these machines are fitted with a variable conditioner rotor speed, to adapt to varying crop conditions - All features making this machine a very professional solution.



The Combination Mower

Kverneland Taarup 3628 FT, 3632 FR, 3632 FT and 3636 FT can be used in combination with a variety of mower conditioners, including the 4300 series, 3132 MT and the 5090 MT, or on its own, making these extremely versatile machines. With a working width of 2.80-3.60 m, the capacity of these machine is substantial.

ActiveLift - Protection of the Cutterbar

The new Kverneland Taarup ActiveLift system ensures maximum protection of the cutterbar during operation. If hitting a stone or foreign obstacle, a three-fold action takes place simultaneously.

- The cutterbar will move back and up, due to the geometry of the suspension.
- Tension in the ground pressure springs increases, adding additional lift to the mowing section, which helps to clear the obstacle.
- The angle of the cutterbar repositions from 4 degrees downwards to horizontal, for better clearance of the obstacle.

Three-Dimensional Adaptation



Suspension springs moved further outwards for better side stability and even ground pressure.



Mower reacts instantly to uneven ground contours and can move 250 mm down and 450 mm up.



Vertical adaptation of 24° to adjust to uneven fields.



ActiveLift system to protect the cutterbar against foreign obstacles.

- New Kverneland Taarup Cutterbar
- SemiSwing Steel Tine Conditioning
- Chevron Roller Conditioning
- Innovative Suspension Design
- Kverneland Taarup ActiveLift Solution
- Variable Conditioner Rotor Speed



Chevron Roller Conditioner



The rollers are manufactured from highly durable polyurethane, enabling both effective, uniform conditioning and long life span.

Kverneland Taarup 3632 FR is equipped with full width chevron rollers, quickly taking the cut crop off of the cutting discs and providing gentle and effective conditioning of fragile crops like lucerne/alfalfa, reducing leaf loss to a minimum.

The design of the rollers ensures, that the crop is placed in an even, fluffy swath. The conditioning intensity is varied without use of tools, by adjusting the roller pressure exerted between top and bottom roller.

Floating Suspension with Three-Dimensional Adaptation

The suspension design has been redesigned to offer even better flotation and more even ground pressure. The two large suspension springs have been moved further outwards to provide better side stability, which is reflected in optimum protection of the stubble and far less skid wear.

The moving pattern of the machines is extremely flexible, allowing downwards movements of 250 mm and upwards of 450 mm. In addition an innovative suspension design allows a transverse adaptation of 24°. This ensures excellent adaptation to uneven ground contours and higher reachable speed.

Easy Operation

Substantial efforts have been made to make daily operation as easy as possible. The clever design of the suspension creates an undisturbed view of the entire mowing area and excellent overview during transport.



Excellent down- and upwards ground following ability of 250 and 450 mm respectively.



Compact design for good overview during transport and operation.



Foldable sideguards ensure narrow transport width.

The High Performance Solution



9 m Working Width

Kverneland Taarup offers a top-of-the-line mower conditioner combination with a 9 m working width. It consists of a Kverneland Taarup 3632 FT or 3636 FT front mounted mower conditioner with 3.2 or 3.6 m working width and two rear-mounted 3.2 m mower conditioner units. There is no need for a special reverse drive tractor, as the Kverneland Taarup 5090 MT fits perfectly on a normal tractor with front and rear linkage.

When using 3636 FT in the combination an ample overlap is available in all conditions, also in hilly conditions, which lessens the need for SideShift equipment.

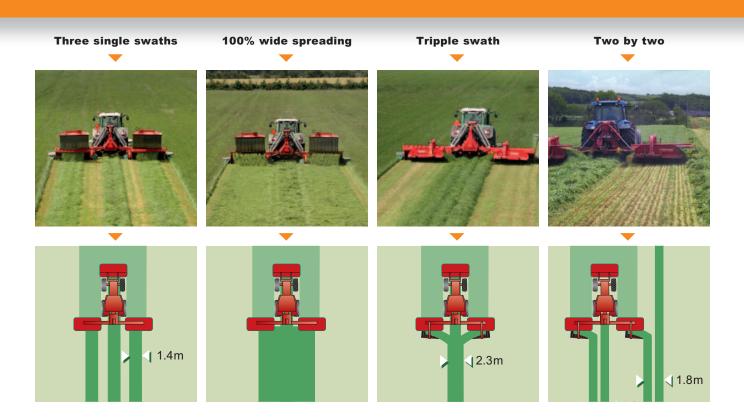
Excellent Manoeuvrability

The design of the Kverneland Taarup 5090 MT, with a tractor in the middle, ensures perfect manoeuvrability and the best possible weight distribution of the entire combination. This minimises wear

on the tractor and ensures excellent manoeuvrability in the field.

Each mowing unit adapts independently to ground contours, ensuring trouble-free flotation of the entire machine.

A World of Opportunities



Flexible Solution

Kverneland Taarup 5090 MT is the most flexible mower conditioner solution on the market. It can be equipped with wide spreading equipment and the Kverneland Taarup BX Auto-Swather solution to ensure outstanding flexibility. It is easy to change between the different configurations, and conversion is very quick.

4 Different Output

Kverneland Taarup 5090 MT can be set for 3 single swaths, wide spreading or three swaths into one with the Kverneland Taarup BX-Belt. An extra feature is the fact that the right belt can run in two directions, meaning that the Kverneland Taarup 5090 MT will place grass from 6 m into one swath.



Each mowing unit can be individually controlled from the tractor cabin, allowing the combination to mow with only one or two units if required.



Despite its giant size, turning on headlands is very easy with the Kverneland Taarup 5090 MT. Each mower unit can be raised by pushing a single button on the control box.



When not in use the optional Kverneland Taarup BX-belt is raised hydraulically to a position above the mowing units. All you need to do is to push the button on the control box to change the configurations.

Unique Suspension







Excellent Suspension

A balancing weight arm has been added to ensure optimal cutting quality, even when working in difficult conditions. The weight arm ensures excellent suspension, by constantly providing an even weight distribution across the entire rear section of the mower.



The centre suspension of the two rear mowing units provides excellent ground following.

Even Flotation of the Machine

The 5090 MT and 5090 MT BX are fitted with a balancing weight arm, linked to the 4 heavy duty ground pressure springs on top of the three point suspension, to ensure an even weight distribution of the two rear sections. The low gravity scale arm suspension ensures that the mowing units always remain horizontal in relation to the ground, when working in uneven or hilly conditions, or if the tractor is hitting small obstacles in the field. When using SideShift equipment, the balancing arm also facilitates equal ground pressure on either side of the rear mower unit.

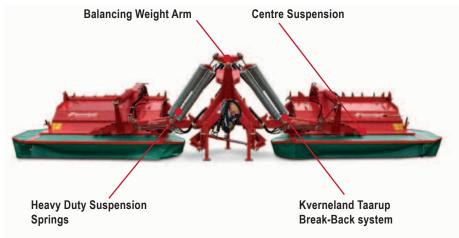
Centre Pivot Suspension

The 4 heavy duty ground pressure springs are attached close to the pivot point of

each cutting unit, to ensure lower ground pressure and hereby better ground following ability and consistent cutting height. Uneven field surfaces are easily absorbed by the suspension, giving an even mowing result and allowing faster forward speed.

Kverneland Taarup Break-Back System

The mowing units are also fitted with the Kverneland Taarup Break-Back system that will protect the cutterbar from stones and foreign obstacles. If hitting an obstacle the Non-Stop Break-Back system will swing the involved mower unit backwards and over the obstacle and then return it to the original working position. If the Taarup 5090 MT is fitted with BX-Auto-Swather the belts will automatically swing back with the mower unit, ensuring no interference with the mowers.





4 large springs ensure even flotation and cutting height.



The break-back system will swing each individual mower backwards.

The Belt for Outstanding Performance

Individual Suspension

The patented (patent applied for) individual suspension of the two Kverneland Taarup BX-Belts reduces shock load on the main frame together with the patented Kverneland Taarup automatic break back system. A unique and simple solution with only few moveable parts, ensuring less wear and maintenance and not least a better flotation of the entire machine.

The Kverneland Taarup BX-Belts are floating on two large springs, and thus performing a unique and even swath formation under all conditions (no jumping up and down of belt units). A unique and simple solution with several advantages.

- Fewer moveable parts, ensuring less wear and maintenance.
- · Better flotation of the entire machine.
- Even swath formation under all conditions.



Flexibility of Swath Size

Depending on crop conditions and to allow the swath to be customised according to the item of machinery following, the belt speed can be infinitely adjusted from the cab. In this way the swaths can be placed either side by side or on top of each other.



The Kverneland Taarup BX-Belt system, with individual break back of each rear mower.



Three in one, 9 m grass into one swath.

Kverneland Taarup SideShift

To improve working results in hilly conditions, Kverneland Taarup offers a hydraulic sideshift system that improves the overlap between the rear mowing units and the front mower.

The sideshift moves the entire moving combination 15 cm to either side. This improves the overlap of the moving units, leading to less striping.

The Kverneland Taarup SideShift system (photo right hand side).



Narrow Transport Width

When the Kverneland Taarup 5090 MT is set for transport the machine is less than 3.0 m wide, ensuring maximum safety when going from field to field. An additional locking device prevents unexpected unfolding.





Kverneland Taarup control box

The Kverneland Taarup 5090 MT is supplied with a control box for easy operations. The control box is fitted with an hour counter.



Lowering and raising of the BX-Belt.



SideShift adjustment.



Individual lift of each mower unit.



Lift of all mower units for Conversion for transport. headland turns.



Technical Specifications

Models	3224 MT	3228 MT	3132 MT	3628 FT	3632 FT	3632 FR	3636 FT	5090 MT	5090 MT BX
Working width (m)	2.40	2.80	3.20	2.80	3.20	3.20	3.60	9.00	9.00
Working width (ft)	7'10"	9'2"	10'6"	9'2"	10'6"	10'6"	11'10"	29'6"	29'6"
Transport width (m)	1.90	2.10	2.40	2.70	3.00	3.00	3.40	3.00	3.00
Transport width (ft)	6'3"	6'11"	7'10"	8'10"	9'10"	9'10"	11'2"	9'10"	9'10"
Weight, total (kgs)	905	1015	1218	1145	1205	1265	1326	4421*	5446*
Weight, total (lbs)	1995	2238	2685	2524	2657	2789	2923	9747	12006
-, rear mower units, app. (kgs)	-	-	-	-	-	-	-	3216	3216
-, rear mower units, app. (lbs)	-	-	-	-	-	-	-	7090	7090
-, BX-equipment, app. (kgs)	-	-	-	-	-	-	-	-	513
-, BX-equipment, app. (lbs)	-	-	-	-	-	-	-	-	1130
Number of discs	6	7	8	7	8	8	9	24 (3x8)	24 (3x8)
Stubble height (mm)	20-50	20-50	20-50	20-50	20-50	20-50	20-50	20-50	20-50
Disc (Rpm)	3000	3000	3000	3000	3000	3000	3000	3000	3000
Conditioner	Nylon	Nylon	SemiSwing	SemiSwing	SemiSwing	Roller con.	SemiSwing	SemiSwing	SemiSwing
Conditioning rotor speed (Rpm)	900/600•	900/600•	900/6000	900/6000	900/6000	900/6000	900/6000	900/6000	900/6000
Power requirement, min. (kW/hp)	50/70	55/80	55/80	50/70	55/80	60/85	67/90	147/200	155/210
Pto (Rpm)	540/1000	540/1000	540/1000	1000	1000	1000	1000	1000**	1000**
PTO Shaft,									
Over-run and friction clutch	•	•	•	•	•	•	•	•	•
Number of hydraulic outlets	1D	1D	1S + 1D	18	18	1S	18	1D + 1S	1D + 1S
-, lift on front-mounted via control box	-	-	-	-	-	-	-	1D + 1S	1D + 1S
Hydraulic transport folding	•	•	•	•	•	•	•	•	•
* Incl. 3632 FT ** Front and rear PTC).								

^{• =} Standard ° = Optional

Optional equipment, 3132 MT: • FlipOver wide spreading • High skids 20 + 40 + 80 mm • Throwing wings • Lighting kit • Reduced conditioner speed kit

Optional equipment, 3200 MT Series: • Hydraulic suspension • Widespreading equipment • Lighting kit • Tool & Knife box • ProFit - quick knife change • High skids 20 + 40 + 80 mm

Optional equipment, 5090 MT Series: • Reduced conditioner speed kit • Lift of front-mounted via control box • SideShift system • FlipOver wide spreading for rear mowers • BX Autoswather equipment • High skids 20 + 40 + 80 mm • Throwing wings • ProFit - quick knife change













Kverneland Group

Kverneland Group is a leading international company developing, producing and distributing agricultural machinery and services.

Strong focus on innovation allows us to provide a unique and broad product range with high quality. Kverneland Group offers an extensive package aimed at the professional farming community, covering the areas of soil preparation, seeding, forage and bale equipment, spreading, spraying and electronic solutions for agricultural tractors and machinery.

Original Spare Parts

Kverneland Group spare parts are designed to give reliable, safe and optimal machinery performance - whilst ensuring a low cost life-cycle. High quality standards are achieved by using innovative production methods and patented processes in all our production sites.

Kverneland Group has a very professional network of partners to support you with service, technical knowledge and genuine parts. To assist our partners, we provide high quality spare parts and an efficient spare parts distribution worldwide.



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