Vertical Tillage

EXCELERATOR® XT 8010

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VERTICAL TILLAGE XTENDED

THE KUHN KRAUSE EXELERATOR XT 8010 VERTICAL TILLAGE SYSTEM PROVIDES EXCEPTIONAL RESIDUE CUTTING, SOIL AND RESIDUE MIXING AND SEEDBED PREPARATION IN ONE PASS, UTILIZING AN EXCLUSIVE 5-STEP PROCESS. VERTICAL TILLAGE ACCELERATES RESIDUE CONVERSION TO ORGANIC MATTER AND MAKES RESIDUAL NUTRIENTS MORE READILY AVAILABLE FOR NEXT YEAR'S CROP, WHILE IMPROVING OPERATIONAL EFFICIENCY THROUGH HIGH SPEED.

VERTICAL TILLAGE XTENDED
The Excelerator XT 8010 provides XTended versatility. True vertical tillage is maintained with the 1° to 5° gang angle, while the XTended 6° to 8° gang angle offers more aggressive tillage action for areas where more soil leveling or increased residue mixing may be required.

TIME TESTED
KUHN Krause revolutionized the vertical tillage segment with the Excelerator. The Excelerator XT 8010 builds on this proven product delivering high-speed residue cutting and soil mixing that incorporates many tillage techniques in a single pass. With the exclusive Excalibur® VT (vertical tillage) blades and Star Wheel™ treaders, this vertical tillage system does an excellent job of downsizing clods, leveling soil, and anchoring residue, while the 24/7® soil conditioning reel finishes the seedbed preparation.

Models	Working Width	Transport Height	Transport Width
8010-11	11' (3.6 m)	6'5" (2 m)	12'8" (3.8 m)
8010-14	13'6" (4.1 m)	6'5" (2 m)	15'4" (4.7 m)
8010-20	20' (6.1 m)	10'9" (3.2 m)	12'3" (3.7 m)
8010-25	24'4" (7.4 m)	12'8" (3.8 m)	12'3" (3.7 m)
8010-30	29'6" (9.0 m)	13'0" (3.96 m)	15'9" (4.8 m)
8010-34	33'6" (10.2 m)	14'9" (4.54 m)	18'0" (5.49 m)
8010-40	40'3" (12.1 m)	12'6" (3.84 m)	19'3" (5.88 m)

Summary

EXCELERATOR® XT 8010 5-STEP PROCESS

This exclusive 5-step process makes the Excelerator one of the only vertical tillage systems to provide operators a choice:

- Move soil laterally to fill shallow ruts and smooth fields following less than ideal harvest conditions.
- Leave more residue to meet requirements for highly erodible land (HEL) conditions.
- XTended 6 to 8 degree gang angles provide more aggressive tillage action for areas where more soil leveling or increased residue mixing may be required.

FRONT EXCALIBUR® VT GANG

Proven 22", 32-flute Excalibur VT blades on 7" spacing cut residue, provide optimal soil displacement, minimize furrowing and ridging, leaving a smooth field pass-to-pass. True vertical tillage is maintained with the 1° to 5° gang angle, while the XTended 6° to 8° gang angle offers more aggressive tillage action.

MID-MOUNTED TINES

Adjustable mid-mounted tines on 7-inch spacing drive soil and residue to the ground to ensure consistent flow of material. During this process, additional clod size reduction takes place, as well as improved residue distribution across the width of the machine, resulting in more consistent soil and residue conditions.

REAR EXCALIBUR® VT GANG

The same 22", 32-flute Excalibur VT blades make up the rear gang. The 8" rear blade spacing maintains performance in adverse conditions while still providing residue cutting and optimal soil displacement. Rear gangs also offer the 1° to 8° gang angle adjustment, indpendent of front gangs, to meet your agronomic goals.

STAR WHEEL™ TREADERS

Exclusive to Kuhn Krause, rotary Star Wheel treaders aggressively mix soil and residue, pulverize large clods, remove soil from disturbed root balls and anchor residue into the soil surface.

24/7® HEAVY-DUTY CONDITIONING REEL

The heavy-duty 24/7 soil conditioning reel delivers clod sizing and firming for this high-speed operation. Choose from round or flat bar style depending on your agronomic needs.

CHOOSE YOUR ANGLE

True vertical tillage is maintained with the 1° to 5° gang angle, while the XTended 6° to 8° gang angle offers more aggressive tillage action. Optional on-the-go hydraulic adjustment allows the operator to adjust front and rear gangs on the same angle or independently, varying front to rear angles to match a variety of agronomic goals. These shallow angles prevent soil roll and inversion, distinguishing the Excelerator's performance from competitive units based on older disc harrow technology with typical gang angles from 10° to 22°.

With the Excelerator XT 8010 you choose your angles to match your agronmic goals. You can mix or match angles on the front and rear gangs. See photos below for matched angles (top: 200 bu. corn residue, bottom: 70+ bu. wheat residue.) Mix your angles, for example choose 8° on the front gang for aggressive cutting and mixing action combined with 5° on the rear gangs to customize the level of residue incorporation and soil leveling.

INDEPENDENT ADJUSTMENT FRONT AND REAR
Adjust front and rear gang angles independently or together using standard mechanical turnbuckle or optional on-the-go hydraulic adjustment.

1 Degree 3 Degree 5 Degree 8 Degree

MANUAL GANG ADJUST
The Excelerator® XT provides you with the unique ability to adjust gang angles and customize the aggressiveness of residue sizing and soil mixing. Manual gang adjustment is an economical option where gang angles may only be changed a few times a season. Hydraulic gang adjustment is recommended where frequent adjustment may be desired several times in the same field due to changes in soil type or residue levels.

SMART SOIL TECHNOLOGY™
Available as an option on all folding Excelerator XT 8010 models (B Serial # and after), this ISOBUS control system allows adjustment of machine depth, front and rear gang angle, wing down pressure, Star Wheel™ pressure and front / rear leveling from any compatible ISOBUS display. ISOBUS equipment certified by the AEF is included in the online database. The customer can verify compatibility of ISOBUS functions between the machine and the terminal to be used.

EXCALIBUR® VT BLADE

CAPTURE AND SLICE RESIDUE

Soil movement and residue mixing are varied by adjusting the gangs from 1° (maximum residue retention) to 8° (maximum soil movement, leveling and residue mixing). Hydraulic gang angle adjustment is available as an option. Excalibur VT blades, designed to wear on both sides of the blade at these settings, maintain a sharp edge over time. Front gangs feature 7" spacing enhancing optimal soil displacement while cutting tough residue.

CUT AND REMOVE

The second gang of Excalibur VT blades feature 8” spaced blades to remove the maximum amount of uncut soil at shallow depth settings and maintain performance in adverse conditions. This results in uniform tillage without smearing or compacting the critical seed zone required for consistent seedling root development. During this process, soil and residue are lifted above the surface and propelled by the fluted blades into the next step of this exceptional vertical tillage process. The unique design of the Excalibur VT blades minimizes furrowing and ridging, leaving a smooth field pass-to-pass.

STANDARD EQUIPMENT

HEAVY-DUTY MID-MOUNTED TINES

Mid-mounted 5/8" x 27" HD tines redistribute residue, aid in leveling the seedbed and reduce clod size

REDISTRIBUTE RESIDUE

7" spaced adjustable angle HD Tines improve residue distribution across the width of the machine, resulting in more consistent soil and residue conditions.

EXCLUSIVE STAR WHEEL™ TREADERS

Aggressively mix soil and residue, pulverize large clods, level and anchor residue into the soil surface. This action protects residue from blowing winds or washing rains, and begins the decomposition of residue into valuable organic matter.

SMOOTH, EVEN PLANTING SURFACE

The Star Wheel treaders assist in providing a smooth, even surface for planter row units to place seeds consistently in the seed zone. Constant flow hydraulic-adjustable gangs are spring cushioned to contour over varying field conditions, evenly distributing residue across the soil surface for a uniform finish.

HEAVY-DUTY 24/7® CONDITIONING REEL

The proven 24/7 soil conditioning reel delivers clod sizing and firming for this high-speed operation. The 24/7 reel also offers the convenience of ‘‘floating’’ with a simple in-field adjustment, allowing continued operation in higher soil moisture conditions.

TWO HEAVY-DUTY REEL OPTIONS AVAILABLE

Available with flat blades for maximum clod sizing in hard soil conditions or round bars for increased soil firming in loamy soil conditions, this effective component completes a superior finish to any field.

VERTICAL TILLAGE MAXIMIZES YIELD POTENTIAL

Vertical tillage can help overcome several major obstacles to achieving the optimal seedbed required to maximize yield potential.

- **Residue Management:** Size and distribute residue to promote breakdown and help increase soil organic matter content, while keeping it anchored on the surface to help protect soil erosion.
- **Moisture Management:** Promote water infiltration so that moisture can be stored in soil voids and be available at planting.
- **Seedbed Temperature:** Open the soil up in the spring to help it dry out and warm up so planting can begin earlier.
- **Maximize the Mix:** Oxygen, water and nutrients mix within the topsoil for healthy plant growth and microbial activity.
- **Tillage Depth:** Cultivate to seeding depth and create a level seedbed and soil surface for optimum planter performance and consistent plant growth.

WHY ONLY TILL TO PLANTING DEPTH?

Corn plants will achieve their greatest yield potential in a stable environment. If roots experience a soil density change of as little as 100 psi, the plant will reallocate energy to pushing roots through the density layer rather than upward plant growth, resulting in shorter plants with less leaf area than plants with consistent soil conditions. These density layers are often formed by cultivation tools at the tillage depth.

By tilling only to planting depth the roots will not experience a change in soil density as the plant grows, and the plant maintains consistent upward growth. This maximizes opportunity for leaf development and therefore sunlight interception, photosynthesis and increased yield potential.

IMPACT OF SOIL DENSITY WHEN TILLING DEEPER THAN PLANTING DEPTH

Germination to V1
- Seed germinates
- Radicle root provides initial nutrient and moisture needs
- Mesocotyl emerges
- Seminal roots develop
- First leaves begin to grow

V2 – V5
- Roots encounter density layer
- Upward growth stalls while plant reallocates energy to roots
- Plant will reach maturity in same time period (same number of GDUs accumulated) whether it stalled out or not

V5 – R6
- Plant resumes upward growth through remaining vegetative and reproductive stages
- Plants that stall out will be smaller and have less leaf area than plants able to grow consistently all season long

SMART SOIL TECHNOLOGY™

When preparing to raise the best crop possible, maintaining a consistent seedbed is everything! KUHN Krause Smart Soil Technology uses AEF certified ISOBUS electronic control to bring complete, on-the-go adjustment and multiple function fine tuning on the Excelerator® XT into the tractor cab for the first time.

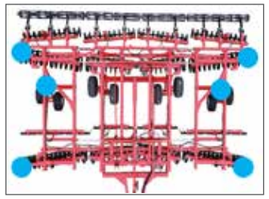
COMPLETE CONTROL FROM THE CAB
- Control depth, gang angle, wing down pressure, Star Wheel™ pressure and front/rear leveling from display.
- Adjust front and rear gang angles simultaneously or independently, allowing different angles on front and rear.
- Adjust depth in increments of 0.25" for precise control and fine tuning of the machine.
- Wing and Star Wheel pressure is adjusted in 250 psi increments.
- Raise Star Wheels out of work at the touch of a button, allowing field work to continue in wet conditions.

8 PRESETS & PRESET ONLY MODE
- Quickly switch between presets in work to save time.
- Name for easy reference, adjusted and resaved as needed.
- Activate preset only mode to prevent an operator from using settings other than the pre-defined presets.

GUIDED CALIBRATION
- Quick and easy calibration process.
- Guides the operator step by step without ever leaving the tractor cab.

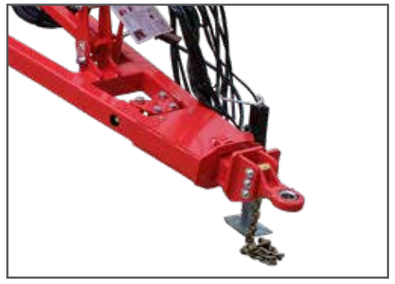
OPERATOR COMFORT AND FAMILIARITY
- Lifting and lowering the machine for end row turns is one of the most common procedures the operator will carry out in the field.
- Even when equipped with Smart Soil Technology, the SCV is used to raise and lower the machine.
- Provides best ergonomic control and also allows customers to continue to use tractor sequencing programs for end row automation where desired.

AEF CERTIFIED
- Certified ISOBUS and compatibility with other certified ISOBUS displays
- Can be verified using the online AEF database (www.aef-isobus-database.org).
- KUHN ISOBUS terminals (CCI 800 and CCI 1200), ISOBUS harnesses and GPS speed signal sensors, allow any level of tractor to be equipped to run Smart Soil Technology.



SENSOR REDUNDANCY AND MANUAL OVERRIDE
- Depth and gang angle circuits are equipped with redundant sensors. In the event one sensor on any circuit stops working, the other sensor will take over automatically.
- Dual sensor setup alerts the operator should cylinders within a circuit become out of phase with one another.
- In the event of an electronic failure which prevents Smart Soil Technology from functioning, a manual override ensures the Excelerator XT can continue to be used until a repair can be made.

ADDITIONAL FEATURES AND OPTIONS

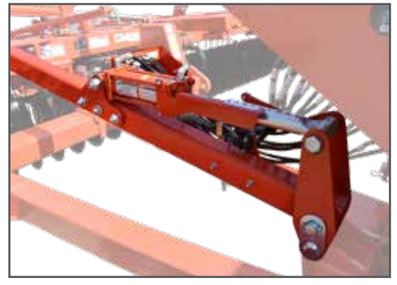


GUARDIAN HITCH™
This exclusive option guards against stress on the tractor drawbar and implement frame. Lateral drawbar forces are transferred through the hitch pivot, where shock load from steering input is dampened by urethane blocks.

HITCH OPTIONS
Rigid models offer a choice between an articulating ball CAT III or a combination C-Clevis. Larger models are equipped with either CAT IV or CAT V articulating ball cast hitches.

SINGLE-POINT DEPTH CONTROL
Blade depth is conveniently controlled with the crank adjustable depth stop located at the front of the machine. View working depth on the easy-to-read scale.

HYDRAULIC ANGLE ADJUSTMENT
Optional on-the-go hydraulic adjustment allows the operator to adjust front and rear gangs on the same angle or independently, varying front to rear angles to match a variety of agronomic goals.



HYDRAULIC FORE-TO-AFT LEVELING
Optional hydraulic leveling adjustment for fine tuning machines from field to field where soil or residue conditions may change drastically. Requires an additional tractor SCV.

OPTIONAL GAUGE WHEELS
Available for 25' to 40' models, adjustable, pivoting gauge wheels provide contouring for terraces or rolling field conditions and additional depth control for seed bed preparation.

MAINTENANCE-FREE BEARINGS

Excalibur® VT gang bearing

Star Wheel™ treader bearing

24/7® reel bearing

Spherical pivot bearing

- Excalibur VT gang assemblies, Star Wheel treaders and 24/7 conditioning reels feature PEER® TILLXTREME™ maintenance-free bearings
- Spherical pivot bearing for each walking beam assembly requires no grease, along with rocker and wing hinge pivots.

HYDRAULIC WING DOWN-PRESSURE
The Excelerator® features standard constant flow hydraulic down-pressure. This feature can add additional downforce to each wing via the wing fold cylinders. This feature stabilizes each wing section during highspeed operation.

WALKING BEAMS
Standard, heavy-duty walking beams on the center section feature heavy-duty wheel hubs with ''slip-in'' spindles for easy servicing. Walking beam tandems on each wing frame have 6-bolt hubs with bolt-in spindles as standard equipment.

STAR WHEEL™ HYDRAULICS
Live hydraulic action keeps treaders in contact with soil contours maintaining uniform operational pressure across the width of the machine. This allows for superior soil leveling and residue mixing.

ENHANCE YOUR EXCELERATOR® XT
WITH COVER CROP SEEDING FLEXIBILITY

The KUHN Krause CCX 9000 series cover crop seeder is designed to be used in conjunction with 11' through 34' Excelerator models. This gives you the opportunity to seed a cover crop while simultaneously using a vertical tillage operation to re-size residue and prepare it for break-down over winter.

Technical Specifications

	8010-11	8010-14	8010-20	8010-25	8010-30	8010-34	8010-40
Transport Height	6'5" (2 m)	6'5" (2 m)	10'9" (3.2 m)	12' 8" (3.8 m)	13'0" (3.96 m)	14'9" (4.54 m)	12'6" (3.84 m)
Transport Width	12'8" (3.8 m)	15'4" (4.7 m)	12'3" (3.7 m)	12'3" (3.7 m)	15'9" (4.8 m)	18'0" (5.49 m)	19'3" / 5.88 m
Blade Spacing	Combination 7" (17.8 cm), Front 8" (20.3 cm) Rear			Combination 7" (17.8 cm), Front 8" (20.3 cm) Rear			
Number of Blades	38	46	68	82	98	110	132
Working Width	11' (3.6 m)	13' 6" (4.1 m)	20' (6.1 m)	24'4" (7.4 m)	29'6" (9.02 m)	33'6" (10.24 m)	40'3" / 12.07 m
Gang Angle	Adjustable 1 to 8 Degrees			Adjustable 1 to 8 Degrees			
Approximate Weight	9,820 lbs (4 454 kg)	11,800 lbs (5 352 kg)	17,750 lbs (8 051 kg)	20,500 lbs (9 298 kg)	25,760 lbs (11 684 kg)	30,859 lbs (13 997 kg)	35,760 lbs / 16 220 kg
Hitch Type	Combination CAT III - 1-1/2" Pin and C Clevis - 1 1/4" Pin		Articulating Ball, CAT IV, 2" Pin	Articulating Ball, CAT IV, 2" Pin	Articulating Ball, CAT IV, 2" Pin	Articulating Ball, CAT IV, 2" Pin	Articulating Ball, CAT IV, 2" Pin
Tongue Type	Level - Lift Tongue			Level - Lift Tongue			Guardian Hitch™ (Cushion Tongue) Level-Lift
Hydraulics	Single Point Depth Control, Cylinders, Color-Coded Hydraulic Hose Grips, All Hydraulic Hoses			Single Point Depth Control, Cylinders, Color-Coded Hydraulic Hose Grips, All Hydraulic Hoses			
Transport Locks and Safety	Hydraulic Lock Valves (Lift and Wing Fold), Slow Moving Vehicle Sign, High Visibility LED Lighting			Hydraulic Lock Valves (Lift and Wing Fold), Slow Moving Vehicle Sign, High Visibility LED Lighting			
Excalibur® Blades	Excalibur VT Blades - 22" Diameter, 6mm, 32-Flute, Reversed Crimped Center			Excalibur VT Blades - 22" Diameter, 6mm, 32-Flute, Reversed Crimped Center			
Gangs	1-3/4" Round Diameter Alloy Tie Rod, Rock-Flex™ Bearing Arms - C-Type 1-1/4" x 2-1/2",			6" Bell Diameter Ductile Iron Spools, Cast Housing PEER® TILLXTREME™ No-Daily Grease Maintenance Bearings, Trash Bars, Tie Rod Wrench			
Gang Angle Adjustment	Mechanical Adjustment 1 to 8 Degrees			Mechanical Adjustment 1 to 8 Degrees			Hydraulic Adjustment 1 to 8 Degrees
Gauge Wheels	Not Applicable	Not Applicable	None	None	None	None	None
Fore / Aft Leveling	Manual with 3 to 1 Ratio Turnbuckle	Manual with 3 to 1 Ratio Turnbuckle	Manual with 3 to 1 Ratio Turnbuckle	Manual with 3 to 1 Ratio Turnbuckle	Manual with 3 to 1 Ratio Turnbuckle	Manual with 3 to 1 Ratio Turnbuckle	Manual with 3 to 1 Ratio Turnbuckle
Main Frame Tires	Walking Beams with Spherical Pivot Bearings, Slip-in Spindles, 6-Bolt Heavy-Duty Hubs, (2) 280/70R15		Walking Beams with Spherical 8-Bolt Heavy-Duty	Pivot Bearings,Slip-In Spindles, Hubs, (4) 340/60R16.5	Walking Beams with Spherical Pivot Bearings, Slip-In Spindles, 8-Bolt Heavy-Duty Hubs, (4) 380/55R16.5	Walking Beams with Spherical Pivot Bearings, Slip-In Spindles, 8-Bolt Heavy-Duty Hubs, (4) 440/55R18	Walking Beams with Spherical Pivot Bearings, Slip-In Spindles, 8-Bolt Heavy-Duty Hubs, (4) 440/55R18
Wing Frame Tires	Not Applicable	Not Applicable	Walking Beams with Spherical Pivot Bearings, Slip-In Spindles, 6-Bolt Heavy-Duty Hubs, (2) 280/70R15 per Wing (2)	Walking Beams with Spherical Pivot Bearings, Slip-In Spindles, 6-Bolt Heavy-Duty Hubs, (2) 280/70R15 per Wing (2)	Walking Beams with Spherical Pivot Bearings, Slip-In Spindles, 6-Bolt Heavy-Duty Hubs, (2) 280/70R15 per Wing (2)	Walking Beams with Spherical Pivot Bearings, Slip-In Spindles, 8-Bolt Heavy-Duty Hubs, (2) 340/60R16.5 per Wing (2)	Walking Beams with Spherical Pivot Bearings, Slip-In Spindles, 8-Bolt Heavy-Duty Hubs, (2) 280/70R15 per Wing (4)
Wing Fold Cylinders	Not Applicable	Not Applicable	(2) 4" x 40" Adjustable Constant-Flow Hydraulic Down Pressure	(2) 4" x 40" Adjustable Constant-Flow Hydraulic Down Pressure	(4) 4" x 40" Adjustable Constant-Flow Hydraulic Down Pressure	(4) 4" x 40" Adjustable Constant-Flow Hydraulic Down Pressure	(4) 4" x 40", (4) 4-1/2" x 16" Adjustable Constant-Flow Hydraulic Down Pressure
Lift Cylinders	(2) 4" x 10"	(2) 4" x 10"	Center: (2) 4" x 10" Wings: (2) 3-3/4" x 10"	Center: (2) 4" x 10" Wings: (2) 3-3/4" x 10"	Center: (2) 4 -1/4" x 10" Wings: (2) 4" x 10"	Center: (2) 4 -1/4" x 10" Wings: (2) 4" x 10"	Center: (2) 4-1/4" x 10" Inner Wing: (2) 4" x 10" Outer Wing: (2) 3-3/4" x 10"
Mid Mount Tines	5/8" x 27" Tines on 7" Spacing	5/8" x 27" Tines on 7" Spacing	5/8" x 27" Tines on 7" Spacing	5/8" x 27" Tines on 7" Spacing	5/8" x 27" Tines on 7" Spacing	5/8" x 27" Tines on 7" Spacing	5/8" x 27" Tines on 7" Spacing
Star Wheel™ Treader Gang	1-1/2" Round Diameter Alloy Tie Rod, Rigid Bearing Arms, 8" Spacing, 6 Degree Angle, Hydraulic Adjustable Gangs, Flangette PEER® TILLXTREME™ No-Daily Grease Maintenance Bearings			1-1/2" Round Diameter Alloy Tie Rod, Rigid Bearing Arms, 8" Spacing, 6 Degree Angle, Hydraulic Adjustable Gangs, Flangette PEER® TILLXTREME™ No-Daily Grease Maintenance Bearings			
24/7® Conditioning Reel	Flat Bar Spiral Rod HD Reels, No-Daily Grease Maintenance Bearings			Flat Bar Spiral Rod HD Reels, No-Daily Grease Maintenance Bearings			
Rear Hitch	None	None	None	None	None	None	None
Options							
Hitch Type	AB CAT III 1-1/2" Pin	AB CAT III 1-1/2" Pin	AB CAT III 1-1/2" Pin	N/A	N/A	AB CAT V 2-3/4" Pin	AB CAT V 2-3/4" Pin
Tongue Type	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Guardian Hitch™ (Cushion Tongue) Level-Lift	Guardian Hitch™ (Cushion Tongue) Level-Lift	Not Applicable
Gang Angle Adjustment	Hydraulic Adjustment 1 to 8 Degrees	Hydraulic Adjustment 1 to 8 Degrees	Hydraulic Adjustment 1 to 8 Degrees	Hydraulic Adjustment 1 to 8 Degrees	Hydraulic Adjustment 1 to 8 Degrees	Hydraulic Adjustment 1 to 8 Degrees	Hydraulic Adjustment 1 to 8 Degrees
Fore / Aft Leveling	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Gauge Wheels	Not Applicable	Not Applicable	Not Applicable	(2) Front Castering 20.5" x 8 Load Range E or Kevlar			
Star Wheel™ Treaders	1-1/2" Round Diameter Alloy Tie Rod, Rigid Bearing Arms, 8" Spacing, 6 Degree Angle, Manual Spring Adjustable Gangs,Flangette PEER® TILLXTREME™			No-Daily Grease Maintenance Bearings	N/A	N/A	N/A
24/7® Conditioning Reel	Round Bar Spiral HD Reels, No-Daily Grease Maintenance Bearings	Round Bar Spiral HD Reels, No-Daily Grease Maintenance Bearings	Round Bar Spiral HD Reels, No-Daily Grease Maintenance Bearings	Round Bar Spiral HD Reels, No-Daily Grease Maintenance Bearings	Round Bar Spiral HD Reels, No-Daily Grease Maintenance Bearings	Round Bar Spiral HD Reels, No-Daily Grease Maintenance Bearings	Round Bar Spiral HD Reels, No-Daily Grease Maintenance Bearings
Rear Hitch	Extendable Tongue Rear Hitch: Max. 2,500 lb Tongue Weight and 10,000 lb Tow Weight with Hydraulic Remotes and Lighting Receptacle			with and without Attachment	Extendable Tongue Rear Hitch: Max. 3,750 lb Tongue Weight and 15,000 lb Tow Weight with Hydraulic Remotes and Lighting Receptacle with and without Attachment		
Smart Soil Technology™	N/A	N/A	In Cab ISOBUS Control of Depth, Gang Angle,	Star Wheel™ Pressure, Wing Pressure & Front / Rear Leveling. Machines Equipped with SST Require Total 3 Tractor SCVs. Smart Soil Technology™ Requires Max 4 GPM Oil Flow from Tractor. Requires 1 Free Flow Return to Tractor Reservoir (I.E. Motor Return).			
ISOBUS Terminal	N/A	N/A	CCI 800 or CCI 1200 Available as Option for	Machines Equipped with Smart Soil Technology. Only Required if Customer Does Not Have Own Compatible ISOBUS Display, or Where Customer Wishes to Have a Second ISOBUS Display in Cab.			
ISOBUS Tractor Harness (ITH)	N/A	N/A	ISOBUS Tractor Harness Available as Option for Machines Equipped with Smart Soil Technology. Only Required for Use with Non-ISOBUS Tractors.				
GPS Speed Sensor	N/A	N/A	GPS Speed	Sensor Available as Option When ITH Harness is Selected. Only Required for Non-ISOBUS Tractors Where No Other ISOBUS Compatible Speed Source is Available.			
Third Party GPS Harness	N/A	N/A	GPS Speed Sensor Available as Option When	ITH Harness is Selected. Only Required for Non-ISOBUS Tractors Where Third Party GPS Unit Needs to Be Connected to KUHN ITH Harness. Note: Additional Cables May Be Required from the GPS Manufacturer.			
Operation							
Recommended Speed of Operation	8 - 10 mph (12 - 16 km/h), Rocky Conditions: 6 - 8 mph (9 - 13 km/h)			8 - 10 mph (12 - 16 km/h), Rocky Conditions: 6 - 8 mph (9 - 13 km/h)			
Maximum Working Depth	3.5" (8.9 cm)	3.5" (8.9 cm)	3.5" (8.9 cm)	3.5" (8.9 cm)	3.5" (8.9 cm)	3.5" (8.9 cm)	3.5" (8.9 cm)
Recommended Tractor Power Range	11 - 15 ENG HP/ft (26 - 37 kW/m)			11 - 15 ENG HP/ft (26 - 37 kW/m)			

For more machine specifications, please visit www.kuhn.com

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