

HR700™ / HR800™

Wide Area Rotary Mower

SPECIFICATIONS

Engine	HR700	HR800	
Type	Kubota® V2403-CR-TE4 4-cyl, turbo diesel	Kubota® V3307-CR-E4B 4-cyl, turbo diesel	
Horsepower*	65.2HP (48.6 kW) @ 2700 rpm	74.3 hp (55.4 kW) @ 2600 rpm	
Emission Level	EPA Tier 4 Final (EU Stage IIIB)		
Cooling System	Side-by-side radiator/hydraulic oil cooler; pressurized; 8 qt (7.6 L) capacity, 8.5 fins per inch	Side-by-side radiator/hydraulic oil cooler; reversing fan; pressurized; 14.7 qt (13.9L) capacity, 8.5 fins per inch	
Fuel Capacity	20.4 gal (77.1 L)	29.5 gal (109.8 L)	
Electrical System	12-volt, input/output controller. 60 amp alternator. Overload protection with automotive type fuses.	12-volt, input/output controller. 90 amp alternator. Overload protection with automotive type fuses.	
Traction & Drive			
Traction System	Hydrostatic closed loop parallel-cross-series SureTrac™ system; variable displacement piston pump; front high torque piston wheel motors (HR700 - fixed displacement, HR800 - dual displacement); full time auto 4wd forward, on demand in reverse. Variable displacement, electronically controlled hydrostatic piston pump.		
Deck Drive	Nine individual hydraulic motors with self lubricating integral bearings		
Hydraulic Capacity	13.3 gal (50.2 litre) capacity reservoir	20.3 gal (76.8 liter) capacity reservoir	
Hydraulic System	O-ring face seal fittings, 10 micron remote charge filters, suction screen at tank, oil cooler side by side radiator, diagnostic test ports.		
Speed (Max)			
Mowing	10 mph (16.4 km/h)	11 mph (17.7 km/h)	
Transport	15.5 mph (25 km/h)	High Speed: 20 mph (32.2 km/h), Low Speed: 10 mph (16.1 km/h)	
Reverse	4 mph (6.4 km/h)	6 mph (9.6 km/h)	
Tires, Brakes & Steering			
Front tires	26 x 12-12 tubeless 8 ply	26.5 x 14-12 tubeless 6 ply	
Rear tires	20 x 10-8 tubeless 6 ply	20 x 10-8 tubeless 8 ply	
Service Brake	Dynamic through traction system	Dynamic through traction system; emergency brake	
Parking Brake	Automatic wet parking brakes integrated into wheel motors		
Steering	Q-Amp® variable rate, hydrostatic powered equal displacement cylinder to rear wheels		
Decks & Cutting			
Overall Cutting Width	168" (4.27 m)	192" (4.9 m)	
Number and Size	One 60 in. (1.52 m) front deck; Two 60 in. (1.52 m) wing decks	One 72 in. (1.83 m) front deck; Two 66 in. (1.68 m) wing decks	
Deck Construction	11 gauge (3 mm) Domex high strength steel shell with 9 gauge (4mm) bolt in baffle and stiffeners		
Castor Wheels	Eight, 4 x 11 in. smooth tires with greasable tapered roller bearings	Ten, 4 x 11 in. smooth tires with greasable tapered roller bearings	
Deck Lift/Lower	Fingertip operated joysticks for individual deck lift/lower; cross cut position; front deck service position with lock pin. Electronic safety locks.		
Weight Transfer	On demand electrically operated hydraulic weight transfer system		
Height of Cut	1.0 - 4.5 in. (25-114 mm) in 0.5 in. (12.7 mm) increments	1.0 - 6.0 in. (25-152 mm) in 0.5 in. (12.7 mm) increments	
Cutting Capacity (No Overlaps or Stops)	Max: 17.0 acres/hour at 10.0 mph (6.9 ha/hr at 16.0 km/h) Typical: 12.7 acres/hour at 7.5 mph (5.14 ha/hr at 12.0 km/h)	Max: 21.3 acres/hour at 11.0 mph (8.62 ha/hr at 17.7 km/h) Typical: 14.5 acres/hour at 7.5 mph (5.87 ha/hr at 12.0 km/h)	
Weight & Dimensions			
	Standard Unit	Cab Unit	Standard Unit
Weight	4119 lbs (1868 kg)	4688 lbs (2126 kg)	4801 lbs (2178 kg)
Length	143 in. (3.62 m) front deck down		147 in. (3.66 m) front deck down
Height	92 in. (2.34 m) decks up 83 in. (2.11 m) decks down, ROPS up 67 in. (1.70 m) ROPS and decks down	92 in. (2.34 m) decks up 87 in. (2.2 m) decks down	95 in. (2.41) decks up 85 in. (2.16) decks down, ROPS up 67 in. (1.70 m) ROPS and decks down
Transport Width	65 in. (1.67 m) at 1 in. (25 mm) height of cut		77 in. (1.96 m) at 1 in. (25 mm) height of cut

*Engine horsepower is provided by engine manufacturer. Actual operating power output may vary due to conditions of specific use.
NOTE: Specifications, while correct at time of printing, may change without notice.

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Wide Area Rotary Mower

HR700™ HR800™



HR700 shown.

The all new HR Series of wide area rotary mowers delivers the next generation of productivity on all fronts. The ultra-durable new SureStrength™ decks and superior maneuverability make it the ideal mower for sports fields, parks and green spaces, schools, airports, golf courses, and commercial grounds. By utilizing high strength, high performance steel and a compact chassis design, the HR series sets a new industry standard for the most efficient use of power.

QUICK SPECS

Engine:

HR700 - 65.2 hp (48.6 kW) Kubota® diesel Tier 4 Final (Stage IIIB)
HR800 - 74.3 hp (55.4 kW) Kubota® diesel Tier 4 Final (Stage IIIB)

Cutting Units: Three individually controlled rotary decks
HR700 - 14 ft. (4.27 m) width of cut, 60 in. (1.52 m) front and two 60 in. (1.52 m) wings
HR800 - 16 ft. (4.9 m) width of cut, 72 in. (1.83 m) front and two 66 in. (1.68 m) wings

Transport Width:

HR700 - 65 in. (1.67 m) at 1 in. (25 mm) height of cut
HR800 - 77 in. (1.96 m) at 1 in. (25 mm) height of cut

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HR700™ / HR800™

PRODUCTIVITY

- **The HR Series** delivers unmatched versatility, offering a range of cutting widths. Getting more done, the HR700 (14 foot model) cuts up to 17.0 acres of grass per hour, or the ultra productive HR800 (16 foot model) slices through up to 21.3 acres of grass per hour.
- **Unparalleled nimble platform** delivers zero uncut circle for effortless 180 degree turning, leaving no uncut grass and easier mowing around obstacles.
- **New AdaptiCut™** system automatically adjusts mow speed to ensure consistent cut performance even through the thickest grass.

SERVICEABILITY

- **Individual hydraulic deck motors** with self-lubricating integral bearings deliver reliable cutting power to each blade and require no tensioning or greasing maintenance of belts and pulleys.
- **InCommand™ control system** provides on-board diagnostics for quick and easy troubleshooting and displays maintenance reminders on-screen to aid in proper service and increased up time.

COMFORT

- **Ergonomic cockpit** with optimal seating position, wing decks set forward of operator, and armrest located individual lift/lower deck joysticks for superior unobstructed views.
- **Tilt Sensor Technology (TST)™** ensures operator safety by automatically monitoring slope angles and alerting operators when nearing unsafe working conditions.



Industry's narrowest transport in its class allows the HR series to go where other mower simply can't.

- Wing decks fold up inside the front deck to easily gauge accessibility.

PRODUCT CONFIGURATION

EQUIPPED AS STANDARD ON THE HR700 & HR800

- ✓ SureTrac 4WD
- ✓ Foldable ROPS
- ✓ 3.8" full color display screen
- ✓ Tilt steering wheel
- ✓ 4 point tie downs
- ✓ ISO mounted operator's platform
- ✓ Fully adjustable suspension seat with seat belt
- ✓ Armrest controls
- ✓ Fully sealed, maintenance free rear axle
- ✓ Cruise control
- ✓ Password protected, programmable travel speeds
- ✓ Selectable manual, automatic, and creep modes

ADDITIONALLY ON THE HR800

- ✓ Reversing fan

ACCESSORIES

- Road light kit
- Canopy/sunshade
- Climate controlled cab
- Cab accessories - Road light kit, Rear wiper kit



Factory installed, ROPS certified, climate controlled cab with A/C, heat, fan, ventilation windows and premium air suspension cloth seat provides operator protection and comfort in extreme temperatures.

- Heated windshield with sunshade, wiper and washer helps maintain visibility if sun is glaring or weather turns bad.
- Additional features include - interior & exterior mirrors, amber beacons, left glass assist door with locking handle and rear emergency exit.
- Road light kit and rear wiper kit available.

Wide Area Rotary Mower

Q Amp® Steering

variable rate steering system delivering straight line mowing while maintaining the fast response required to turn immediately.

Armrest Control

operator lift/lower controls on fingertip joystick for fatigue free operation. Cross cut position for seamless transitioning over pathways. AdaptiCut™ system light indicators for real-time cut quality feedback.

InCommand™ Control System

full color display screen providing real time onboard diagnostics, service intervals, and TST for safe slope operation ensuring operators and service technicians have information to run efficiently and safely.

Comfortable, Productive Ride

ISO mounted operator platform complete with a full suspension, high back seat. Maximum visibility with minimum fatigue.

Proven and Powerful

Tier 4 Final (Stage IIIB) Kubota® turbocharged diesel engines deliver exceptional mowing power to effortlessly take down the tallest, thickest grass.

Reversing Fan (HR800)

Hydraulically controlled fan reverses on-demand or automatically via timer keeping air intake screen clear of debris and features automatic speed control providing optimal operating temperatures.

Easy Access Hood

instant access for daily maintenance and quick-release side panels for more thorough servicing. Storage net behind operator for jackets and supplies.

SureTrac™ 4WD

parallel-cross-series system automatically transfers power where needed. Provides superior traction for hill climbing and side slope operation. Also features on-demand 4WD in reverse.

HR800 shown.



Maintenance Free, Wet Parking Brakes

integrated into the front wheel motors, deliver safe braking on even the steepest of slopes and have no linkages or pads to service or adjust.

SureStrength™ Decks

constructed with Domex® high strength, high performance structural steel delivers greater durability in a lighter more sustainable design. Bolt together construction makes for easy maintenance and repairs.

Best Use of Power

HR series wide area rotary mowers are lighter than its competitors. By utilizing high strength, high performance steel throughout and compact chassis design, a new industry standard has been established for power to weight ratio and efficiency.