

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*	48.6 kW (65.2HP) @ 2700 rpm	55.4 kW (74.3 hp) @ 2600 rpm		
Emission Level	EPA Tier 4 Final (EU Stage IIIB)			
Cooling System	Side-by-side radiator/hydraulic oil cooler; pressurised; 7.6 L (8 qt) capacity, 8.5 fins per inch	Side-by-side radiator/hydraulic oil cooler; reversing fan; pressurised; 13.9L (14.7 qt) capacity, 8.5 fins per inch		
Fuel Capacity	77.1 L (20.4 gal)	109.8 L (29.5 gal)		
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	50.2 litre (13.3 gal) capacity reservoir	76.8 litre (20.3 gal) 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	16.4 km/h (10 mph)	17.7 km/h (11 mph)		
Transport	25 km/h (15.5 mph)	High Speed: 32.2 km/h (20 mph), Low Speed: 16.1 km/h (10 mph)		
Reverse	6.4 km/h (4 mph)	9.6 km/h (6 mph)		
Tyres, Brakes & Steering				
Front tyres	26 x 12-12 tubeless 8 ply	26.5 x 14-12 tubeless 6 ply		
Rear tyres	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	4.27 m (168")	4.9 m (192")		
Number and Size	One 1.52 m (60 in.) front deck; Two 1.52 m (60 in.) wing decks	One 1.83 m (72 in.) front deck; Two 1.68 m (66 in.) wing decks		
Deck Construction	3 mm (11 gauge) Domex high strength steel shell with 4mm (9 gauge) bolt in baffle and stiffeners			
Castor Wheels	Eight, 4 x 11 in. smooth tyres with greasable tapered roller bearings	Ten, 4 x 11 in. smooth tyres 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	25-114 mm (1.0 - 4.5 in.) in 12.7 mm (0.5 in.) increments	25-152 mm (1.0 - 6.0 in.) in 12.7 mm (0.5 in.) increments		
Cutting Capacity (No Overlaps or Stops)	Max: 6.9 ha/hr at 16.0 km/h (17.0 acres/hour at 10.0 mph) Typical: 5.14 ha/hr at 12.0 km/h (12.7 acres/hour at 7.5 mph)	Max: 8.62 ha/hr at 17.7 km/h (21.3 acres/hour at 11.0 mph) Typical: 5.87 ha/hr at 12.0 km/h (14.5 acres/hour at 7.5 mph)		
Weight & Dimensions				
	Standard Unit	Cab Unit	Standard Unit	Cab Unit
Weight	1825 kg (4023 lbs)	2032 kg (4479 lbs)	2178 kg (4801 lbs)	2436 kg (5370 lbs)
Length	3.62 m (143 in.) front deck down		3.66 m (147 in.) front deck down	
Height	2.34 m (92 in.) decks up 2.11 m (83 in.) decks down, ROPS up 1.70 m (67 in.) ROPS and decks down	2.34 m (92 in.) decks up 2.2 m (87 in.) decks down	2.41 m (95 in.) decks up 2.16 m (85 in.) decks down, ROPS up 1.70 m (67 in.) ROPS and decks down	2.41 m (95 in.) decks up 2.2 m (87 in.) decks down
Transport Width	1.67 m (65 in.) at 25 mm (1 in.) height of cut		1.96 m (77 in.) at 25 mm (1 in.) 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™



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 manoeuvrability make it the ideal mower for sports fields, parks and green spaces, schools, airports, golf courses, and commercial grounds. By utilising 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 - 48.6 kW (65.2 hp) Kubota® diesel (Stage IIIB) Tier 4 Final
HR800 - 55.4 kW (74.3 hp) Kubota® diesel (Stage IIIB) Tier 4 Final

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

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

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 6.9 hectares of grass per hour, or the ultra productive HR800 (16 foot model) slices through up to 8.6 hectares 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 colour 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 utilising high strength, high performance steel throughout and compact chassis design, a new industry standard has been established for power to weight ratio and efficiency.