

Wide Area Rotary Mower



HR 500/600

Wide Area
Rotary Mower



HR500 & HR600

SPECIFICATIONS

HR500		HR600
ENGINE		
Type	Kubota® V2403-M-DI-E3B 4-cyl, liquid-cooled diesel	
Rated Horsepower* (gross)	36.5 kW (48.9 HP) @ 2700 rpm	
Emission Level	EU Stage IIIA - (EPA Tier 4 Interim)	
Cooling System	Side-by-side radiator/hydraulic oil cooler; pressurised; 7.6 litre (8 qt.) capacity, 8.5 fins per inch	
Fuel Capacity	77.1 litre (20.4 gal)	
Electrical System	12-volt, input/output controller. 45/60 amp alternator. Overload protection with automotive type fuses.	
TRACTION AND DRIVE		
Traction System	Hydrostatic closed loop parallel cross series SureTrac system; variable displacement piston pump; front high torque fixed displacement piston wheel motors; full time auto 4wd forward, on demand in reverse.	
Deck Drive	Seven individual hydraulic motors with self lubricating integral bearings	
Hydraulic System	50.2 litre (13.3 gal) capacity reservoir, O-ring face seal fittings, 10 micron remote charge filters, suction screen at tank, oil cooler side by side radiator, diagnostic test ports.	
SPEED		
Mowing	12 km/h (7.5 mph)	12 km/h (7.5 mph) variable
Transport	25 km/h (15.5 mph)	25 km/h (15.5 mph) variable
Reverse	6.4 km/h (4 mph)	6.4 km/h (4 mph) variable
TYRES, BRAKES AND STEERING		
Front tyres	26 x 12-12 tubeless 8 ply	
Rear tyres	20 x 10-8 tubeless 6 ply	
Service Brake	Dynamic through traction system	
Parking Brake	Wet parking brakes integrated into wheel motors	
Steering	Q-Amp® Variable rate, hydrostatic powered equal displacement cylinder to rear wheels	
DECKS AND CUTTING		
Overall Cutting width	3.0 m (118 in.) or 3.28 m (129 in.)	3.0 m (118") or 3.28 m (129 in.) or 3.48 m (137 in.)
Number and size	One 1.52 m (60 in.) front deck; Two 0.9 m (35 in.) or 1.03 m (40 in.) impact absorbing wing decks	One 1.52 m (60 in.) front deck; Two 0.9 m (35 in.) or 1.03 m (40 in.) or 1.12 m (44 in.) impact absorbing wing decks
Deck Construction	Bull nose profile, high strength, low weight steel construction. Solid bumper rails, bolted assembly of all impact and wear parts	
Castor Wheels	Six, 9 x 3.5 - 4. Smooth, semi pneumatic puncture proof, sealed precision ball 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	25-120 mm (1 - 4.75 in.) in 6.5mm (0.25 in.) increments; tool-less adjustment	
Cutting Capacity (10% allowance for overlap)	At 12 kph (7.5 mph): 3.24 ha/hr (8.0 acres/hr) 3.56 ha/hr (8.8 acres/hr)	At 12 kph (7.5mph): 3.24 ha/hr (8.0 acres/hr) 3.56 ha/hr (8.8 acres/hr) 3.89 ha/hr (9.6 acres/hr)
WEIGHT AND DIMENSIONS		
Weight	1697 kg (3741 lbs); 1912 kg (4215 lbs) with cab	1769 kg (3900 lbs); 1976 kg (4356 lbs) with cab
Length	3.62 m (143 in.) Front deck down	
Height	2.11 m (83 in.) ROPS Up; 1.70 m (67 in.) ROPS & Decks Down; 2.2 m (57 in.) with cab	
Transport Width	1.65 m (65 in.) at 50 mm (2 in.) height of cut	
Accessories	Road lighting kit, beacon, Tilt Sensor Technology (TST), air suspension seat, puncture resistant tyres, air-conditioned cab (MP653 only)	



The Jacobsen HR500 & HR600 have been developed from the ground up as a new generation of adaptable and practical wide area mowers. Delivering productivity on all fronts, the Jacobsen HR500 & HR600 are highly manoeuvrable, engineered for reduced downtime and produce the widest width of cut in their class.

The first in a range of wide area mowers, the HR500 and HR600 are designed with high strength steel throughout, reducing overall weight where possible to make best use of their available power. A range of engines, control systems and cutting widths are available to give options for all budgets and working conditions.

QUICK SPECS

	HR500	HR600
Engine (gross):	36.5 kw (49 hp) Kubota® Diesel	48.6 kw (65 hp) Kubota® Turbocharged Diesel
Emissions:	EU Stage IIIA	EU Stage IIIB (EPA Tier 4 Final)
Width-of-Cut:	3.0 - 3.3 m (118 - 129 in.)	3.0 - 3.3 - 3.5 m (118-129-137 in.)
Weight:	1697 kg (3741 lbs)	1769 kg (3900 lbs)
Length:	3.62 m (143 in.)	
Height:	Height 2.11 m (83 in.)	
Transport Width:	1.65m (65 in.)	

* Engine power 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.



Jacobsen HR500 & HR600 Wide Area Rotary Mowers have been developed to deliver:

PRODUCTIVITY

- Rugged and reliable Kubota® engines deliver power direct to the efficient hydraulic system.
- Lift and lower individual decks or run all three at a maximum width of cut to suit your needs.
- Turn on the spot within the cutting width to effortlessly mow back and forth.

SERVICEABILITY

- Zero maintenance direct drive decks mean less time greasing, no adjusting belts and more time out at work.
- Immediate hood access for daily checks and quick-release side panels for more thorough servicing make working on the HR series effortless.

COMFORT

- ISO mounted platform and full suspension seat offers operators unparalleled comfort and higher levels of productivity.
- Excellent seating position for an unobstructed view all around the mower whether cutting or in transport.

ACCESSIBILITY

- With a transport width within the front deck, this mower will go places others simply can't go.
- Low weight of 1697 kg (HR500) means lower impact on fragile turf.

PRODUCT CONFIGURATION

EQUIPPED AS STANDARD HR500

- ✓ Foldable ROPS
- ✓ 3.8" Display screen
- ✓ Tilt steering wheel
- ✓ 4 point tie down
- ✓ Fully adjustable suspension seat
- ✓ Fully sealed maintenance free rear axle

ADDITIONALLY ON THE HR600

- ✓ Cruise control
- ✓ Adjustable travel speeds
- ✓ Advanced onboard engine and electronic diagnostics
- ✓ Quick select manual, auto and creep drive modes



Stage IIIB (Tier 4 Final) clean engine technology

- Common rail system for precise high pressure fuel injection control to enable lower temperature burn and generate less nitrogen oxide (NOx) pollutant.
- Exhaust gas recirculation method to remix a portion of the engine's exhaust back to the engine cylinders to reduce NOx emissions.
- Diesel particulate filtration with a diesel oxidation catalyst to transform particulate matter (PM) into water and carbon dioxide and minimise the PM in the exhaust.

Wide Area Rotary Mower



Control Armrest
operator lift/lower controls on fingertip joystick for fatigue free operation. Cross cut position for seamless transitioning over pathways.

Q Amp® Steering
variable rate steering system delivering straight line mowing whilst maintaining the fast response required to turn immediately.

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

Control Unit
onboard diagnostics, service intervals and TST (Optional) for safe slope operation ensures operators have all the information to run their machines efficiently and safely.

DIESEL POWERED BY
Kubota

Easy Access Hood
instant access for daily maintenance and quick-release side panels for more thorough servicing.

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.

Generous Ground Clearance
for confident travel over undulations.

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.

Cutting Unit Lock
wing decks secured electronically from the operator's seat giving effortless, safe transport.

Decks
direct drive via hydraulic motors deliver power to each individual blade with zero maintenance. A lightweight durable deck pan design made from high strength steel. All impact and wear parts are bolted on and replaceable for simple, cost-effective maintenance. Wingdecks protected by impact absorption system with 150 mm of travel. Flip up front deck makes maintenance access quick and easy.

Additional Control Functions On HR600:

- Tune maximum operating speeds and cut functions to suit the needs of your operators.
- Quick select operation modes allow the operator to achieve maximum control and performance from the machine. Including:
 - Auto drive** – Onboard sensors assist the operator in selecting optimum speeds for hill climbing and cutting in heavy conditions.
 - Creep** - Instantly reduce travel speed for moving in tight spaces and loading operations.

Cab option available



FULLY EQUIPPED AS STANDARD :

- ✓ Air conditioning and heater
- ✓ Noise cancelling interior
- ✓ High visibility, heated, front screen
- ✓ Air suspension, high specification cloth seat
- ✓ Dual warning beacons

Cutting Width: 3.0 - 3.5 m
Storage Width: 1.65 m