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.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>HR500</th>
<th>HR600</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENGINE</strong></td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>Kubota® V2403-M-DIE3B 4-cyl, liquid-cooled diesel</td>
</tr>
<tr>
<td>Rated Horsepower* (gross)</td>
<td>36.5 kW (49 hp)</td>
</tr>
<tr>
<td>Emission Level</td>
<td>EU Stage IIA - (EPA Tier 4 Initial)</td>
</tr>
<tr>
<td><strong>COOLING SYSTEM</strong></td>
<td></td>
</tr>
<tr>
<td>Side-by-side radiator/hydraulic oil cooler; pressurised, 7.6 litre (8 qt.) capacity, 8.5 fps per in</td>
<td></td>
</tr>
<tr>
<td>Fuel Capacity</td>
<td>77.1 litre (20.4 gal)</td>
</tr>
<tr>
<td>Electrical System</td>
<td>12-volt, in/output controller, 48/60 amp alternator. Overall protection with automotive type fuses.</td>
</tr>
<tr>
<td><strong>TRACTION AND DECKS</strong></td>
<td></td>
</tr>
<tr>
<td>Traction System</td>
<td>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 reserve.</td>
</tr>
<tr>
<td>Deck Drive</td>
<td>Seven individual hydraulic motors with self lubricating integral bearings</td>
</tr>
<tr>
<td><strong>HYDRAULIC SYSTEM</strong></td>
<td></td>
</tr>
<tr>
<td>Hydraulic System</td>
<td>50.2 litre (13.3 gal) capacity minute; O-ring face seal fittings; 16 micron remote change filters, suction screen at tank, oil cooler side by side radiator, diagnostic test ports.</td>
</tr>
<tr>
<td><strong>SPEED</strong></td>
<td></td>
</tr>
<tr>
<td>Mowing</td>
<td>12 km/h (7.5 mph)</td>
</tr>
<tr>
<td>Transport</td>
<td>25 km/h (15.5 mph)</td>
</tr>
<tr>
<td>Reverse</td>
<td>6.4 km/h (4 mph)</td>
</tr>
<tr>
<td><strong>TYRES, BRAKES AND STEERING</strong></td>
<td></td>
</tr>
<tr>
<td>Front tyres</td>
<td>26 x 12-12 tubeless 8 ply</td>
</tr>
<tr>
<td>Rear tyres</td>
<td>20 x 10.8 tubeless 6 ply</td>
</tr>
<tr>
<td>Service Brake</td>
<td>Dynamic through traction system</td>
</tr>
<tr>
<td>Parking Brake</td>
<td>Wet parking brakes integrated into wheel motors</td>
</tr>
<tr>
<td>Steering</td>
<td>Q-Amp® Variable rate, hydrostatic powered equal displacement cylinder to rear wheels</td>
</tr>
<tr>
<td><strong>DECKS AND CUTTING</strong></td>
<td></td>
</tr>
<tr>
<td>Overall Cutting width</td>
<td>3.0 m (118 in.) or 3.28 m (129 in.)</td>
</tr>
<tr>
<td>Number and size</td>
<td>One 1.52 m (60 in.) front deck; Two 0.9 m (35 in.) or 1.03 m (40 in.) impact absorbing wing decks</td>
</tr>
<tr>
<td>Deck Construction</td>
<td>Bull nose profile, high strength, low weight steel construction. Solid bumper rails, bolted assembly of all impact and wear parts</td>
</tr>
<tr>
<td>Castor Wheels</td>
<td>Six, 9 x 3.5 - 4. Smooth, semi pneumatic puncture proof, sealed precision ball bearings</td>
</tr>
<tr>
<td><strong>WEIGHT AND DIMENSIONS</strong></td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>1697 kg (3741 lbs); 1912 kg (4215 lbs) with cab</td>
</tr>
<tr>
<td>Length</td>
<td>3.62 m (143 in)</td>
</tr>
<tr>
<td>Height</td>
<td>2.11 m (83 in) ROPS Up; 1.70 m (67 in) ROPS &amp; Decks Down; 2.2 m (73 in) with cab</td>
</tr>
<tr>
<td>Transport Width</td>
<td>1.65 m (65 in.) at 50 mm (2 in) height of cut</td>
</tr>
<tr>
<td>Cutting Capacity (10% allowance for overlap)</td>
<td></td>
</tr>
<tr>
<td>At 12 kph (7.5 mph)</td>
<td>3.24 ha/hr (8.0 acres/hr)</td>
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<td>Accessories</td>
<td></td>
</tr>
<tr>
<td>Road lighting kit, beacon, Tilt Sensor Technology (TST), air suspension seat, puncture resistant tyres, air-conditioned cab (MP653 only)</td>
<td></td>
</tr>
</tbody>
</table>

* 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.

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www.ransomesjacobsen.com
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

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**Stage IIIIB (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.

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**Wide Area Rotary Mower**

**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

**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.

---

**Cutting Unit Lock**
- Wing decks secured electronically from the operator’s seat giving effortless, safe transport.

**Maintenance Free, Wet Parking Brakes**
- Integrated into the front wheel motors, deliver safe locking on even the steepest of slopes and have no linkages or pads to service or adjust.

**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 stability with minimum fatigue.

**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.

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