

# MP495/655

## Wide Area Mower Series

### SPECIFICATIONS

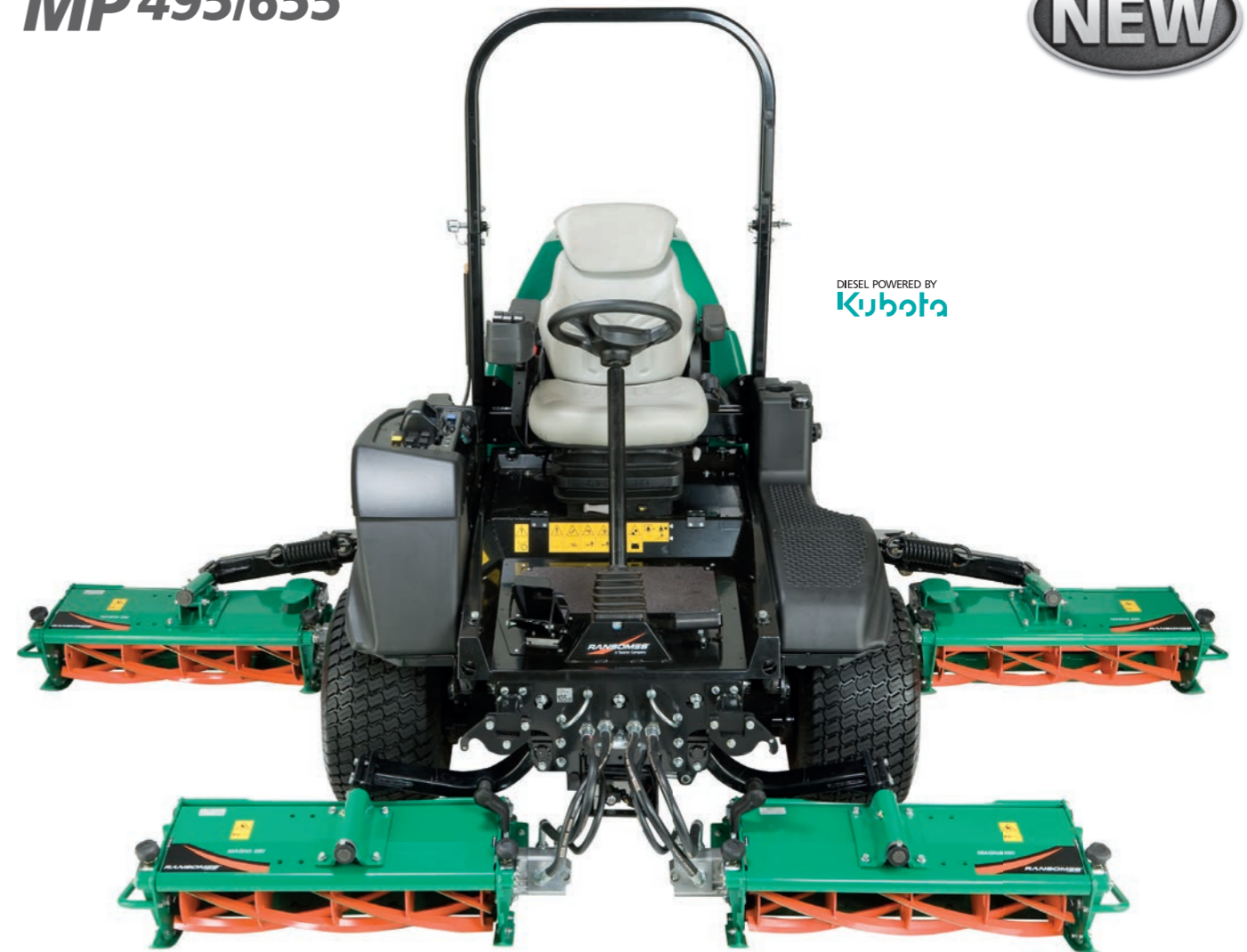
MP495		MP655
<b>ENGINE</b>		
Type	Kubota® V2403-M-DI-E3B 4-cyl, liquid-cooled diesel	Kubota® V2403-CR-TE4 4-cyl, liquid cooled, turbo diesel
Rated Horsepower* (gross)	36.5 kW (48.9 HP) @ 2700 rpm	48.6 kW (65.2HP) @ 2700 rpm
Emission Level	EU Stage IIIA - (EPA Tier 4 Interim)	EU Stage V - (EPA Tier 4 Final)
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.	
<b>TRACTION AND DRIVE</b>		
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.	
Cutting Unit Drive	Direct drive, bi-directional with relief valve protection in both directions	
Hydraulic System	50.2 litre (13.3 gal) capacity reservoir, Parker EO-3 technology, 10 micron remote charge filtration, suction screen at tank, oil cooler side by side radiator, diagnostic test ports.	
Hydraulic Cooling	Side by side pressurised hydraulic oil cooler	
<b>SPEED</b>		
Mowing	12 km/h (7.5mph)	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
<b>TYRES, BRAKES AND STEERING</b>		
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	
<b>CUTTING UNITS</b>		
5 x Type	Sport 200 : 197 mm (7.8 in.) Diameter, 762 mm (30 in.) Wide 6,8 and 11 Knife Floating; 6 Knife fixed Magna 250 : 254 mm (10 in.) Diameter, 762 mm (30 in.) Wide 4,6 and 8 Knife Fixed Floating Head Verticut	
Rollers	76 mm (3 in.) Diameter greasable	
Unit lift/lower	Fingertip operated joysticks for unit lift/lower; cross cut position, hydraulic powered lower for side slopes	
Weight Transfer	On demand electrically operated hydraulic weight transfer system	
Height of Cut	Sport 200 Floating : 12.7– 35.7 mm (0.5 - 1.41 in.), Thin Blade 9-32 mm (0.35 – 1.26 in.), High Height Kit 12.7 – 61 mm (0.5 - 2.4 in.) Sport 200 Fixed : 12.7 - 89 mm (0.5 – 3.5 in.), Magna 250 Fixed : 12.7 - 61 mm (0.5 - 2.4 in.), Tool or hand wheel adjust	
Overall Cutting width	3.50 m (138")	
Cutting Capacity	3.78 ha/hr (9.3 acres/hr) At 12 kph (7.5 mph) - (10% allowance for overlap)	
<b>WEIGHT AND DIMENSIONS</b>		
Weight	1820 kg (4012 lbs); 2024 kg (4462 lbs) with cab	1912 kg (4215 lbs); 2113 kg (4658 lbs) with cab
Length	3.09 m (122 in.) with Magna Cutting Units	
Height	2.11 m (83 in.) ROPS Up; 1.70 m (67 in.) ROPS & Units Down; 2.2 m (87 in.) with cab	
Transport Width	1.89 m (75 in.) with Magna Cutting Units at 30 mm (1.2 in.) height of cut	
Working Width	3.75 m (148 in.) Magna Units Down	

\* 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.

# RANSOMES® MP 495/655

Wide Area  
Rotary Mower

**NEW**



*The Ransomes MP series has been developed from the ground up as a new generation of adaptable and practical wide area mowers.*

- The MP495 and MP655 are designed with high strength steel throughout, reducing overall weight where possible to make best use of available power. A range of engines, control systems and cutting units are available to give options for all budgets and working conditions.

### QUICK SPECS

	MP495	MP655
Engine (gross)	36.5 kW (49 hp) Kubota Diesel	48.6 kW (65 hp) Kubota Turbocharged Diesel
Emissions	EU Stage IIIA	EU Stage V (EPA Tier 4 Final)
Width of Cut	3.50 m (138 in.)	
Weight	1820 kg (4012 lbs)	1912 kg (4215 lbs)
Length	3.09 m (122 in.)	
Height	2.11 m (83 in.)	
Transport Width	1.89 m (75 in.)	

Note -Values with Magna Cutting Units

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Ransomes MP Series Wide Area Mowers have been developed to deliver:

### PRODUCTIVITY

- Rugged and reliable Kubota engines deliver power direct to the efficient hydraulic system.
- Lift and lower individual wing units or run all five at a maximum width of cut to suit your needs.

### SERVICEABILITY

- Immediate hood access for daily checks and quick release side panels for more thorough servicing make working on the MP series effortless.
- Accessible chassis design gives improved access to adjust the centre cutting unit.
- Hydraulic fittings with visual seal indicators for simple, error free servicing.

### COMFORT

- ISO mounted operator's platform and full suspension seat offers operators unparalleled comfort and higher levels of productivity.
- Commanding seating position for an unobstructed view all around the mower whether cutting or in transport.
- Optional cab, heated and fully air conditioned, insulating the operator from the environment in all seasons.

### ACCESSIBILITY

- Low transport weight expands your available transport options.
- Narrow transport width lets this agile platform manoeuvre into confined working areas.

## PRODUCT CONFIGURATION

### EQUIPPED AS STANDARD MP495

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

### ADDITIONALLY ON THE MP655

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

### ACCESSORIES

- ✓ Air conditioned cab
- ✓ Road lighting kit
- ✓ Kevlar reinforced tyres

### 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.

### 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.

### Breakback System

Wing units protected from impacts with a sprung breakback system. Shear pins ultimately protect valuable components in the event of a large collision.

### Cutting Unit Lock

wing decks secured electronically from the operator's seat giving effortless, safe transport every time you're on the road.

**Centre unit Access** Open access to adjust and maintain the centre cutting unit.



DIESEL POWERED BY  
**Kubota**



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: 2.14 - 3.5 m  
Transport Width: 1.89 m

### Parker EO-3® Hydraulics

Assured seal hydraulic fittings with clear visual indicator. Taper thread with backup O-ring, no torque spanners required to correctly tighten.

### Cutting Heads

Extensive choice of industry proven, fixed or floating cutting heads, delivering a superior finish on all turf types, across a range of conditions. With the option and capacity to power heavy duty verticut units.

### 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.

### \* Additional Control Functions On MP655:

- 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.