

MP495/655

Wide Area Mower Series

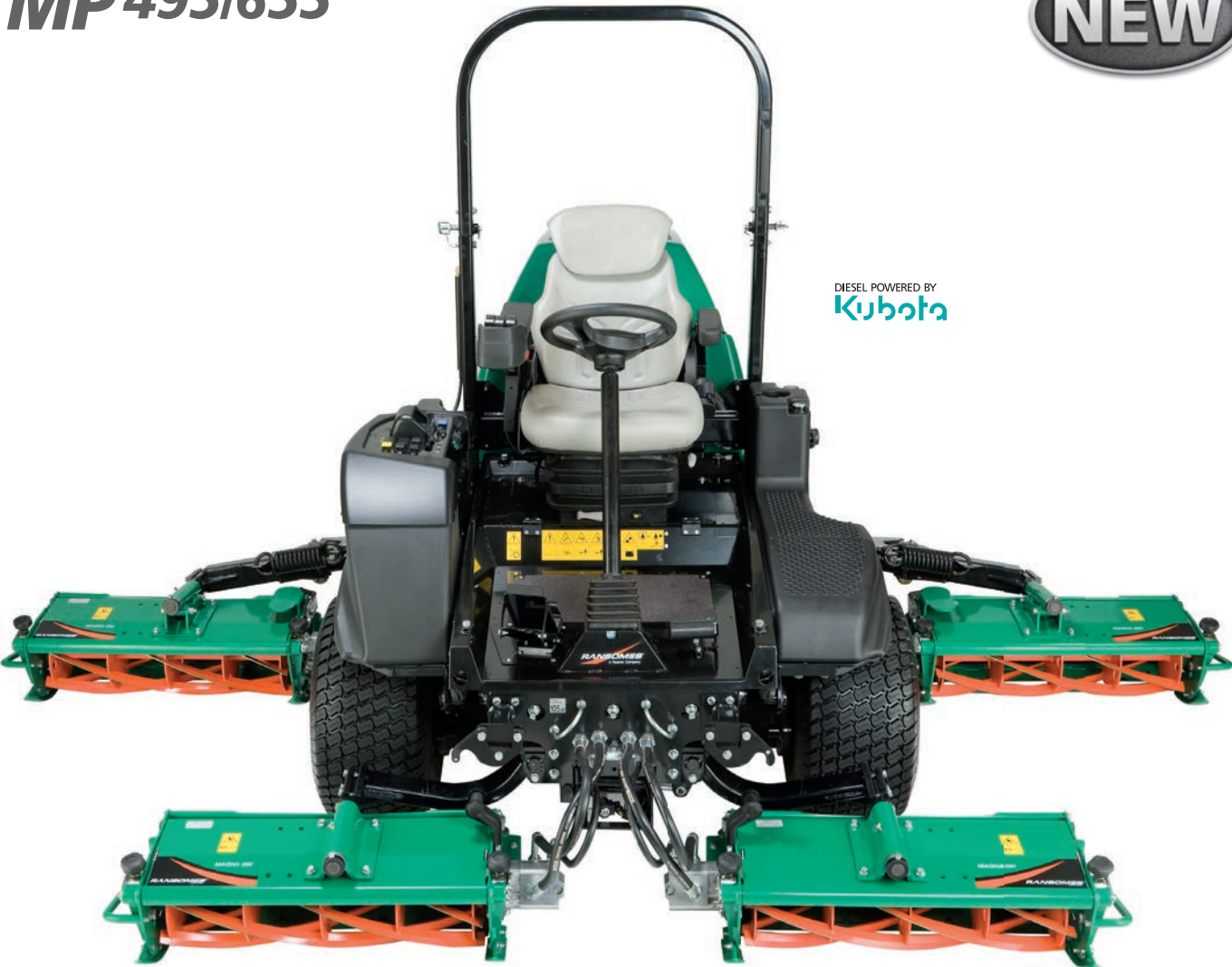
SPECIFICATIONS

MP495		MP655
ENGINE		
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.	
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.	
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	
SPEED		
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
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	
CUTTING UNITS		
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)	
WEIGHT AND DIMENSIONS		
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



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





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.



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

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



Cutting Width: 2.14 - 3.5 m
Transport Width: 1.89 m

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.

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.