Groundsmaster® 3000 Series
Out-Front Rotary Mower

A REVOLUTION IN OUT-FRONT ROTARIES.

Toro has been creating world-class out front rotary mowers for over 45 years.

We are continuing this legacy with the new Groundsmaster 3000 Series.

The Groundsmaster 3000 Series delivers unparalleled productivity. Featuring powerful 27.9 kW (37.4 HP) or 18.4 kW (24.7 HP) engines, CrossTrax® all-wheel drive and legendary Groundsmaster decks, the Groundsmaster 3000 Series makes quick work in even the toughest terrain while delivering an exceptional quality of cut. From the fully-adjustable suspension seat and steering column, the fingertip engine controls and optional all-season cab, this new mower is designed for all-day comfort. Routine maintenance is also easy with the Groundsmaster 3000 Series. The innovative Tilt-Up Deck design makes blade maintenance and deck cleaning simple. Additionally, all engine maintenance points are easily accessible to help ensure your Groundsmaster runs smoothly and reliably for years. Productivity, comfort, reliability. That's the all-new Groundsmaster 3000 Series.

F E A T U R E S

Power & Durability

- Powerful 18.4 kW (24.7 HP) or 27.9 kW (37.4 HP) Yanmar® EPA Tier 4/Stage V diesel engines
- Rugged 7-gauge high-strength steel rotary decks
- Available 152 cm (60") or 183 cm (72") width of cut. Side and rear discharge options.

Performance

- CrossTrax® all-wheel drive provides superior traction
- 19.8 cm (7.8") ground clearance for exceptional manoeuvrability

Productivity

- Innovative tilt-up deck for easy cleaning and maintenance
- Up to 24 km/h (15 mph) ground speed
- 24-152 mm (1"-6") height of cut with a simple pin adjustment
- Comfortable operator platform
- Easy to access maintenance points

Versatility

- Rotary and Fine Cut Flail mowing decks available
- Year-round versatility with a variety of multi-season attachments
- Cab option helps keep operators comfortable and productive all season long

GROUNDSMASTER® 3200/3300 SPECIFICATIONS*

	GROUNDSMASTER 3200 AWD, MODEL 31901	GROUNDSMASTER 3300 AWD, MODEL 31907	GROUNDSMASTER 3310 AWD CAB, MODEL 31909
ENGINE	Yanmar®, 3 Cylinder, liquid cooled diesel, Power: 18.4 kW (24.7 HP) @ 3000 rpm, Torque peak: 69 Nm (50.9 ft-lbs.) @ 2100 rpm. Displacement 1267cc. High Idle: 3230 rpm (no load). Remote mounted Donaldson air cleaner. Fuel filter water seperator. EPA Tier 4 / Stage V compliant	Yanmar, 3 Cylinder, liquid cooled diesel, Power: 27.9 kW (37.4 HP) @ 3000 rpm, Torque peak: 107.7 Nm (98.8 ft-lbs.) @ 1800 rpm. Displacement 1642cc. High Idle: 3210 rpm (no load). Remote mounted Donaldson air cleaner. Fuel filter water seperator.	
RADIATOR	Rear mount, cross flow, 8.5 fins per 25mm (1"), 6.6 litre (7 quart) capacity		
FUEL CAPACITY	45 L (12 gallon)		
TRACTION DRIVE	Patented CrossTrax® AWD. Series parallel hydraulic traction system w/full time, bi-directional 4-wheel drive. Parallel hydraulic flow between front and rear wheels.		
GROUND SPEED	Up to 20 km/h (12.5 MPH)	Up to 24 km/h (15 MPH)	
MAIN FRAME	All welded tubular and formed steel		
IMPLEMENT DRIVE	Engine mounted 475 Nm (350 ft. lb.) rated electro-magnetic PTO clutch drives 5 cm (2") telescoping shaft. Rotary deck connection allows for tip-up service position without disconnection of PTO.		
IMPLEMENT LIFT	Twin 6.4 cm (2.5") bore, 3.2 cm (1.25") rod hydraulic cylinders operate lift arms. Hydraulic counterbalance for optimum traction and stability.		
TYRES	Front: 23 x 10.5 - 12 4-ply, Rear: 18 x 9.5 - 8, 4-ply	Front: 24 x 12 - 12, 4-ply, Rear: 18 x 9.5 - 8, 4-ply	
BRAKES	Dynamic braking through hydrostat and foot pedal. Parking Brake: Hand-actuated drum type on front left and right traction wheels		
SEAT	Deluxe Bolstered Seat (model 31980), Mechanical Suspension Seat (Model 31981), Air Ride Suspension Seat (Model 31982)		
STEERING	Hydraulic Power Steering. Tilt steering wheel released and locked by a foot actuated lever		
OPERATOR AREA	Operator step, beverage holder, control arm, retractable seat belt, standard		
INSTRUMENTATION	InfoCenter™: Onboard LCD display shows gauges, alerts/faults, service reminders, electrical system diagnostics. Indicates coolant temps, oil pressure, alternator voltage, engine hours, (27.9 kW models, engine RPM).		
CONTROLS	Foot-operated pedal for forward and reverse. Manually adjustable forward speed limiter. Control arm includes hand-operated throttle, PTO switch, deck/implement lift lower switch, ignition switch, (18.4 kW models, glow plug switch)		
ELECTRICAL	12V maintenance-free battery with 540 cold cranking amps at -18 degrees C (0 degrees F). 80 minute reserve capacity at 27 degrees C (80 degrees F). 40-amp alternator on 18.4 kW models, 55-amp alternator on 27.9 kW models. Seat, PTO, lift/lower, traction and parking brake interlock switches. Easy access to fuse panel.		
GROUND CLEARANCE	21 cm (8.3") traction unit only		
LENGTH	271.7 cm (107")		
WIDTH	132 cm (52")	134.8 cm (53.1")	
HEIGHT	200.6 cm (79") with ROPS up	226 cm (89")	
WHEELBASE	130.8 cm (51.5")		
WEIGHT	794 kg (1,751 lbs.)	846 kg (1,866 lbs.)	1109 kg (2,466 lbs.)
SAFETY CAB	-		Factory installed, ROPS certified cab with AC and heat. Tempered curved windshield, tinted side and rear glass (50% tint); front wiper/washer; interior mirror and exterior side mirrors; SMV sign; road light kit and work light kit sold separately. All glass windows meets ANSI Z-26.1999 and ECE R43
WARRANTY	Two-year limited warranty. Refer to operator's manual for further information.		
ACCESSORIES	LED work light kit, LED road light kit, beacon, recycler kits, slope sensor kit		

GROUNDSMASTER® 3200/3300 SPECIFICATIONS*

CUTTING DECK CONFIGURATIONS	CUTTING DECKS (SOLD SEPARATELY)					
	152 CM (60") SIDE DISCHARGE DECK, MODEL 31970	183 CM (72") SIDE DISCHARGE DECK, MODEL 31972	152 CM (60") REAR DISCHARGE DECK, MODEL 31971	183 CM (72") REAR DISCHARGE DECK, MODEL 31973	152 CM (60") REAR DISCHARGE DECK, MODEL 31974	183 CM (72") REAR DISCHARGE DECK, MODEL 31975
CONSTRUCTION	4.5 mm (7-gauge) high-strength steel, 14 cm (5.5") deep; welded deck with grass discharged on the right side. A 8 mm (5/16") thick rubber discharge chute covers the discharge opening to limit the throw distance of clippings. Adjustable baffle.		4.5 mm (7-gauge) high-strength steel, 14cm (5.5") deep; welded deck with a rear rubber flap to direct clippings down through the rear of the machine			
SERVICE POSITION	Cutting deck can tip up to the service position from the transport position to conduct routine maintenance quickly. Driveshaft stays connected during tip up.					
HEIGHT OF CUT	25 - 152 mm (1"-6") adjustable in 6 mm (0.25") increments.					
MOWING RATE**	Up to 1.7 hectares (4.2 acres) per hour	Up to 2.1 hectares (5 acres) per hour	Up to 1.7 hectares (4.2 acres) per hour	Up to 2.1 hectares (5 acres) per hour	Up to 1.7 hectares (4.2 acres) per hour	Up to 2.1 hectares (5 acres) per hour
SPINDLE ASSEMBLY	Ductile cast iron 23 cm (9") diameter conical spindle housing; Dual greaseable tapered roller bearings; Spindle shaft is 3.2 cm (1.25") diameter, solid cold finished steel, splined connection between spindle shaft and pulley; Welded blade retainer plus anti-scalp cups.				Ductile Aluminum 20.3 cm (8") diameter conical spindle housing; Dual sealed maintenance-free ball bearings; Spindle shaft is 2.5 cm (1") diameter, solid cold finished steel.	
CUTTER DRIVE	Solid mounted, splined PTO-driven gearbox transfers power to three separate spindles via one "B" section belt.					
BLADES	Three 6 mm (0.25") thick, 63 mm (2.5") wide, heat-treated steel blades.				Three 5.2 mm (0.204") thick, 63 mm (2.5") wide, heat-treated steel blades.	
BLADE TIP SPEED (3000 RPM)	17,500		16,000		14,700	
DECK SUSPENSION	Independent, 5 cm (2") square tubing, lift/push arms each attached to separate castor arms.					
BELT IDLER	Spring-loaded (torsion) idler					
DECK SKID	Replaceable, bolt-on, non-marking UHMW skid on both sides for rear discharge decks and on left side only for side discharge decks. Interchangeable left to right.				Welded steel bumperon both sides of rear discharge deck.	
ANTI SCALP	Anti-scalp cup located on each blade spindle. Additional anti-scalp gauge wheels.				Anti-scalp gauge wheels	
DECK COVERS	Quick-release type latches				Single bolt secures covers	
LIFT ARMS	Independent lift arms and hydraulic weight transfer provide deck flotation.					
SHIPPING WEIGHT	204 kg (450 lbs.)	231 kg (510 lbs.)	208 kg (460 lbs.)	232 kg (512 lbs.)	195 kg (430 lbs.)	218 kg (480 lbs.)
OPTIONAL ACCESSORIES	Recycler kits, blade options (low sail, medium sail, high sail, atomic), blowout baffle, roller striper		Recycler kits, blade options (low sail, medium sail, high sail, atomic)			

	OPTIONAL ATTACHMENTS
UNIVERSAL SUNSHADE	Universal sunshade, red or white

	152 CM (60") F60 FLAIL CUTTING DECK, MODEL 02835
FRAME CONSTRUCTION	Welded, high strength steel frame
ROTOR CONSTRUCTION	100 mm (4") diameter, dynamically balanced flail rotor. Greaseable tapered roller bearings mounted in rigid mounted bearing housings. Rotor can be removed from frame without prior removal of bearings and bearing housings.
HEIGHT OF CUT	20-100 mm (0.75"- 4")
MOWING RATE**	Up to 1.7 hectares (4.2 acres) per hour
BLADES	32x TEMPEST™ paddle-style flail blades
BELT IDLER	Mechanical adjustable Idler. Locked with M20 bolt.
DECK SKID	Replaceable, bolt-on steel skid
CASTOR WHEELS	8 x 3.5-4 4-Ply , pneumatic, sealed ball bearings.
LIFT ARMS	Independent lift arms and hydraulic weight transfer provide deck floatation. Supplied complete with the flail.
SHIPPING WEIGHT	256 kg (564 lbs.)
OPTIONAL ACCESSORIES	Fine Cut Baffle Kit, Mulching Bar, Back to Back Flail Blades, Replacement Blade Kits, choice of 2x blades or 16x blades (2x per flail required)

*Specifications and design subject to change without notice. Products depicted in this literature are for demonstration purposes only. Actual products offered for sale may vary in use, design, required attachments and safety features. All trademarks are property of their respective owners.

**Assumes 11.3 km/h (7 mph) mow speed, no overlap and 100% efficiency.

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