

TORO[®]

count on it.

COMMERCIAL EQUIPMENT GUIDE

2026

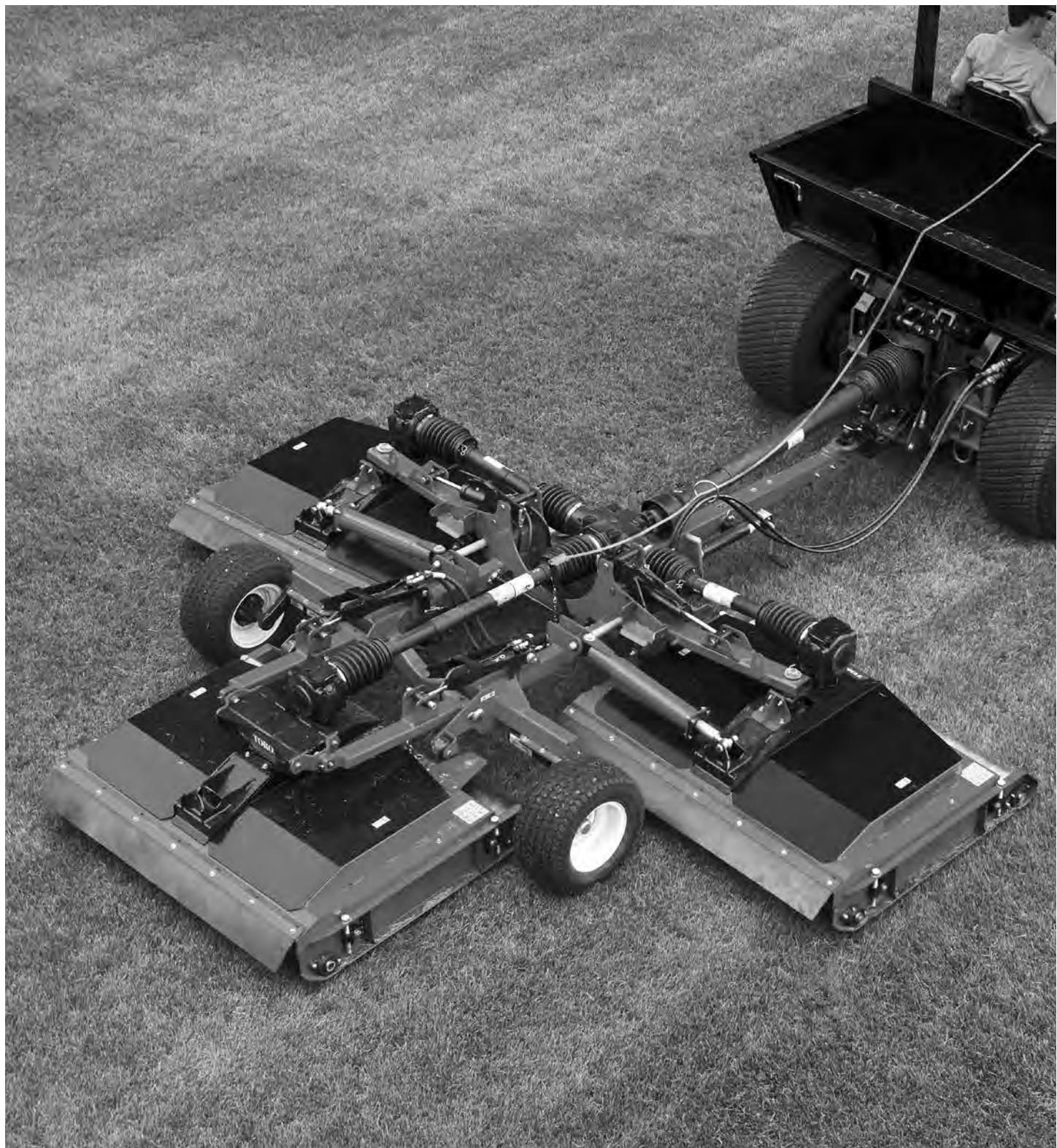


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TORO

Groundsmaster® 1200

The Groundsmaster 1200 delivers an unparalleled combination of productivity, durability and superior cut. It features a 144" (365 cm) width of cut and can mow up to 8.7 acres (3.5 hectares) per hour. Remaining true to Groundsmaster's unmatched reputation of durability, the 1200 was designed for years of reliable mowing.



GROUNDSMASTER 1200 - MODEL 31905*	
WIDTH OF CUT	Overall: 144" (365 cm), Individual deck: 54" (137 cm), Overlap: 9" (23 cm)
MOWING RATE**	Mows up to 8.7 acres/h (3.5 hectares/h) at consistent 6 mph (9.7 km/h)
CONSTRUCTION	10-gauge high strength steel constructed deck with 7-gauge bolt-in reinforcements. 7-gauge welded steel side skids with 5" (12.7 cm) diameter steel rollers.
DECK DRIVE	PTO drive-shaft drives 4-way gearbox, secondary drive-shafts drive individual deck gearboxes, spindles belt driven with spring tensioner pulley. Main drive-shaft fits standard 1-3/8" (3.5 cm), 6-spline tractor PTO and contains 80 deg CV joint. Deck gearbox contains over-running clutch.
HEIGHT OF CUT	0.5" to 4.0" (1.3 cm to 10.2 cm) infinitely variable
SPINDLES	1.25" (3.17 cm) diameter spindle shafts, 9" (22.9 cm) diameter conical ductile iron housing and two greaseable tapered roller bearings. Driven counter-clockwise when viewed from the top.
BLADES	9 blades, 19" (48.3 cm) long, 2.5" (6.4 cm) wide, 0.25" (6.4 mm) thick
GROUND FOLLOWING	9 anti-scalp cups, one on each blade, two anti-scalp/striping rollers on each deck. On each deck: two 5" (12.7 cm) diameter roller
WING PROTECTION	Bi-directional, impact absorption damper on each wing deck
OVERALL DIMENSIONS	Transport Height: 75.75" (192.4 cm) Transport Length: 145.5" (369.6 cm) (Hitch fully extended) Width: (decks down):149.8" (380.5 cm) Transport Width: 86" (218.4 cm) at 1/2" (1.27 cm) HOC
POWER REQUIREMENTS	Minimum 35 HP (26.1 kW) at the PTO, 540 RPM
BLADE TIP SPEED	15,000 ± 300 ft/min (4572 ± 91.4 m/min) at 540 PTO RPM
TIRES	20 X 10 - 10 6-ply K500 turf tread
WEIGHTS	Total weight = 2,984 lbs (1354 kg), Tongue Weight in Transport = 691 lbs (313 kg)
ACCESSORIES	Roller scraper kit, standard blade kit, high-lift blade kit, safety chain kit, Atomic blade kit, tow chain kit, fender kit, SMV Kit, tail light kit, blade cover kit, clevis hitch, pintle eye hitch
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.
CERTIFICATION	Complies with American National Standards Institute (ANSI B71.4-2012)



*Specifications and design subject to change without notice.

**Assumes max mow speed and 100% efficiency. Actual mowing rates may vary depending on operator and conditions.



TORO

Groundsmaster® 3200/3300

The Groundsmaster 3200/3300 delivers unparalleled productivity. Featuring a powerful 24.7 HP (18.4 kW) or 36.8 HP (27.5 kW) engine, CrossTrax® all-wheel drive and legendary Groundsmaster decks, the Groundsmaster 3200/3300 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 3200/3300. The innovative Tilt-Up Deck design making 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 3200/3300.



Groundsmaster® 3200/3300 Specifications

	GROUNDMASTER 3200 2WD, MODEL 31900A*	GROUNDMASTER 3200 AWD, MODEL 31901A*	GROUNDMASTER 3300 AWD, MODEL 31902A*	GROUNDMASTER 3310 AWD CAB, MODEL 31903A*
ENGINE	Yanmar®, 3 Cylinder, liquid cooled diesel, Power: 24.7 HP (18.4kW) @ 3000 rpm, Torque peak: 50.9 ft-lbs. (69 Nm) @ 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: 36.8 HP (27.5kW) @ 3000 rpm, Torque peak: 80.7 ft-lbs. (109.4 Nm) @ 1950 rpm. Displacement 1642. High Idle: 3150 rpm (no load). Remote mounted Donaldson air cleaner. Fuel filter water seperator. EPA Tier 4 / Stage V compliant		
RADIATOR	Rear mount, cross flow, 8.5 fins per 1" (25 mm), 7 quart (6.6 liter) capacity	Rear mount, cross flow, 8.5 fins per 1" (25 mm), 8 quart (7.6 liter) capacity		
FUEL CAPACITY		12 gallon (45 L)		
TRACTION DRIVE	2WD Parallel hydraulic traction system. Parallel hydraulic flow between the front wheel motors powered by hydrostatic pump	CrossTrax® AWD. Series/Parallel hydraulic traction system w/full time 4-wheel drive.		
GROUND SPEED	Up to 12.5 MPH (20 km/h) Forward Up to 5.5 MPH (8.9 km/h) Reverse		Up to 15 MPH (24 km/h) Forward Up to 6 MPH (9.7 km/h) Reverse	
MOW SPEED	Up to 12.5 MPH (20 km/h) Forward		Up to 15 MPH (24 km/h) Forward	
MOWING RATE**	Mows up to 6.1 acres/h (2.4 hectares/h) with 60" deck Mows up to 7.3 acres/h (2.9 hectares/h) with 72" deck		Mows up to 7.3 acres/h (2.9 hectares/h) with 60" deck Mows up to 8.7 acres/h (3.5 hectares/h) with 72" deck	
MAIN FRAME	All welded tubular and formed steel			
IMPLEMENT DRIVE	Engine mounted 350 ft. lb. (475 Nm) rated electro-magnetic PTO clutch drives 2" (5 cm) telescoping shaft. Rotary deck connection allows for tip-up service position without disconnection of PTO. Optional Low RPM PTO engage feature.			
IMPLEMENT LIFT	Twin 2.5" (6.4 cm) bore, 1.25" (3.2 cm) rod hydraulic cylinders operate lift arms. Hydraulic counterbalance for optimum traction and stability.			
TIRES	Front: 23 x 10.5 - 12 4-ply, Rear: 16 x 6.5 - 8, 4-ply	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, and retractable seat belt are standard			
INSTRUMENTATION	InfoCenter™: Onboard LCD display shows gauges, alerts/faults, service reminders, electrical system diagnostics. Indicates coolant temps, oil pressure, alternator voltage, engine hours, (36.8 HP 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, (24.7 HP models, glow plug switch)			
ELECTRICAL	12V maintenance-free battery with 540 cold cranking amps at 0 degrees F (-18 degrees C). 80 minute reserve capacity at 80 degrees F (27 degrees C). 40-amp alternator on 24.7 HP models, 55-amp alternator on 37.4 HP models. Seat, PTO, lift/lower, traction and parking brake interlock switches. Easy access to fuse panel.			
GROUND CLEARANCE	7.8" (19.8 cm) traction unit only		8.3" (21 cm) traction unit only	
LENGTH		107" (271.7 cm)		
WIDTH	52" (132 cm)		53.5" (135.9 cm)	
HEIGHT		79" (200.6 cm) with ROPS up		89" (226 cm)
WHEELBASE		52" (132 cm)		
WEIGHT	1,751 lbs. (794 kg)	1,886 lbs. (855 kg)	2,486 lbs. (1128 kg)	
SAFETY CAB	Optional ROPS certified cab with heat only. 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			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 operators manual for further information.		
ACCESSORIES	LED work light kit, LED road light kit, LED beacon kit, recycler kits, slope sensor kit, heat only cab, accessory control kit, storage box kit, USB charging kit, auxiliary hydraulic kit, hydraulic hose kit, SMV kit, storage bag kit, power harness kit			

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CUTTING DECKS (SOLD SEPARATELY)			
CUTTING DECK CONFIGURATIONS	60" (152 CM) SIDE DISCHARGE DECK, MODEL 31970	72" (183 CM) SIDE DISCHARGE DECK, MODEL 31972	60" (152 CM) REAR DISCHARGE DECK, MODEL 31971
CONSTRUCTION	7-gauge (4.5 mm) high-strength steel top shell, 5.5" (14 cm) deep; welded deck with grass discharged on the right side. A 5/16" (8 mm) thick rubber discharge chute. Adjustable baffle to control throw distance of clippings.		
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	1"-6" (25 - 152 mm) adjustable in 0.5" (12.7 mm) increments.		
SPINDLE ASSEMBLY	Ductile cast iron 9" (23 cm) diameter conical spindle housing; Dual greaseable tapered roller bearings; Spindle shaft is 1.25" (3.2 cm) diameter steel, splined connection between spindle shaft and pulley; Welded blade retainer plus anti-scalp cups.		
CUTTER DRIVE	Solid mounted, splined PTO-driven gearbox transfers power to three separate spindles via one "B" section belt.		
BLADES	Three 0.25" (6 mm) thick, 2.5" (63 mm) wide, heat-treated steel blades.		
BLADE TIP SPEED	17,440 FPM (37hp T4 Engine) 18,600 FPM (24hp Engine)	17,470 FPM (37hp T4 Engine) 18,630 FPM (24hp Engine)	16,100 FPM (37hp T4 Engine) 17,175 FPM (24hp Engine)
DECK SUSPENSION	Front: fixed, independent high-strength 2" x 0.1875" (5.08 x .47 cm) wall castor arm tubes support welded heavy-duty reinforced 0.375" (9.5 mm) high strength castor forks with 1.38" (3.5 cm) shafts. Semi-pneumatic (flat-free) 8.2" x 3.1" (20.8 x 7.8 cm) castor wheel with sealed ball bearings. Rear: vertical chain with 0.5" (1.27 cm) diameter pins.		
BELT IDLER	Greasable, 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.		
ANTI SCALP	Anti-scalp cup located on each blade spindle. Additional anti-scalp gauge wheels.		
DECK COVERS	Quick-release type latches, no tools required. Thermoplastic polyolefin reduces weight and noise.		
LIFT ARMS	Independent lift arms from traction unit with counterbalance pressure set for optimum QOC and weight transfer.		
SHIPPING WEIGHT	450 lbs. (204 kg)	510 lbs. (231 kg)	460 lbs. (208 kg)
OPTIONAL ACCESSORIES	Recycler kits, blade options (low sail, medium sail, high sail, atomic), blowout baffle		
	Recycler kits, blade options (low sail, medium sail, high sail, atomic)		

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CAB

Optional Accessories: LED Cab Light Kit, Cab Beacon Light Kit. GM3310 comes standard with a cab equipped with air conditioning and heat



SNOWTHROWER (ERSKINE)

This is the perfect blizzard battler, with 53" (134 cm) clearing width. 270 degree hydraulically adjustable discharge chute rotation. Mechanically-driven snow thrower.



ROTARY BROOM (M-B)

The 60" (152 cm) wide mechanically-driven rotary broom cleans and clears snow, dirt, debris and grass during any season. Hydraulic swing capable of 20° left or right of center. Choice of poly or combination poly/wire brooms.



BOSS® STRAIGHT-BLADE PLOW

BOSS snowplows are engineered to perform in the worst winter conditions. 60" (152 cm) clearing width. Fully hydraulic lift and angle adjustment to deliver maximum efficiency.



F60 FLAIL CUTTING DECK

TYPE	Out-front PTO-driven flail attachment
FRAME CONSTRUCTION	Welded, high strength, low weight steel frame body and 6mm end-plates.
FLAIL ROTOR CONSTRUCTION	4" (100mm) Diameter, dynamically-balanced flail rotor. Greaseable self-aligning roller bearings mounted in rigid mounted bearing housings. Rotor can be removed from frame without prior removal of bearings and bearing housings.
FLAIL TIP SPEED	152.4ft/sec (46.5m/s) tip speed at 2,900rpm
DRIVE SYSTEM	PTO drive from power unit through 90-degree gearbox. Final drive through twin banded XPZ belt to rotor.
BLADE TYPE	32x TEMPEST™ paddle-style flail blades
ROLLER	4" (100mm) Rear Roller for superb contour following and striped finish
LIFT ARMS	Dedicated lift arms are supplied as standard with the F60 to ensure close and accurate mating to the power unit, improving manouevrability and machine control
CASTOR WHEELS	8 x 3.50-4 4-Ply , pneumatic, sealed precision ball bearings
HEIGHT OF CUT	0.75"- 3" (20-75 mm), in 0.5" (13 mm) increments
WIDTH OF CUT	60" (152.4 cm)
MOWING RATE**	Up to 6.1 acres/h (2.4 hectares/h)
WEIGHT	564 lbs. (256 kg)
OVERALL DIMENSIONS	Width 67.9" (172.5 cm), Height 18.5" (47 cm), Length (w/o Lift Arms) 45.5" (115.5 cm), Length (w/ Lift Arms) 61.4" (156 cm)
OPTIONAL ACCESSORIES	Back-to-back 'Y' flail blades for rough mowing conditions, mulching (shredder) bar, fine cut baffle kit
WARRANTY	2 Years

SUNSHADE

UNIVERSAL MOUNT SUNSHADE	White, Model 30669 / Red, Model 30671
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PRO FORCE® DEBRIS BLOWER

Driven from PTO shaft off engine. Nozzle Rotation – 245°. Great visibility – out front of machine

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TORO

Groundsmaster® e3200/e3300

The all-new Groundsmaster e3200/e3300 can be configured with up to 17 HyperCell® batteries for all-day runtime in demanding conditions. Smart Power® mode optimizes power consumption by continuously and efficiently providing ample cutting power without bogging down. Battery reserve setting ensures plenty of power to return to the recharging station. The on-board 3.3kW charger replenishes the batteries overnight, ready to tackle another day.*



*Specifications and design subject to change without notice.



GROUNDMASTER e3200 2WD, MODEL 31800		GROUNDMASTER e3300 AWD, MODEL 31802
POWER SOURCE	11 HyperCell® lithium-ion batteries standard, configurable with up to 17 for all-day runtime	
HYPERCELL® LITHIUM-ION	Patent pending, third-party tested and accredited, lithium-ion at 2.2 kWh each with integrated and distributed Battery Management System (BMS), 60-volt design, IP67 rated, de-energized default state, flame retardant, chemical and UV resistant, recyclable	
RUNTIME**	Up to all-day runtime with optional HyperCell energy expansion packs	
CHARGER	On-board 100-240V, 12-16A, 3.3 kW charger	
NOISE	Significantly quieter operation for noise-sensitive applications and during early morning/late evening mowing	
MAIN FRAME CHASSIS	All welded tubular and formed steel	
TRACTION DRIVE	Electric 2-wheel traction drive, front transaxle	Electric all-wheel traction drive, front transaxle
BRAKES	Dynamic braking with power regeneration, integrated automatic parking brake, emergency brake switch	
ELECTRICAL SYSTEM	60 volt power for all systems, 12 volt for USB power plug and accessories	
HYDRAULIC SYSTEM	Electric powered hydraulic cylinders control mowing deck lift/lower, weight transfer, and power steering functions	
HYDRAULIC FLUID	Toro PX Extended Life Hydraulic Fluid, 4.7 gal (17.8 L)	
INTERLOCKS	Operator presence switch, deck limit sensor, parking brake, emergency brake, traction neutral	
MAX SLOPE ANGLE	Refer to Operator's Manual	
STARTING	Key on/off	
GROUND SPEED	Up to 12.4 mph (20 km/h) forward, up to 6 mph (10 km/h) reverse, customizable setting	
MOW SPEED	Up to 12.4 mph (20 km/h), customizable setting	
MOWING DECK	60" (152 cm) and 72" (183 cm) side and rear discharge options	
MOWING PRODUCTIVITY	Up to 9 acres/h (3.6 hectares/h) with 72" (183 cm) deck and max speed	
DECK CONSTRUCTION	High-strength 7-gage steel with impact bumper, and side skids. Anti-scalp gauge wheels	
HEIGHT OF CUT	1" to 6" (25-152 mm) adjustable in 0.5" (12.7 mm) increments	
SPINDLE ASSEMBLY	Highly efficient internal permanent magnet (IPM) electric motors driving hardened steel blades	
INSTRUMENTATION	TDM display with 3-button interface. Multiple languages.	
OPERATIONAL MODES	Smart Power®, Turnaround, Reserve Power Capacity, Weight Transfer Traction	
CUSTOMIZABLE SETTINGS	Blade speed, transport speed, mowing speed, battery reserve capacity, weight transfer	
CONTROLS	Key on/off, traction pedal, deck lift/lower, PTO, cruise control, emergency brake	
STEERING	Power steering with tilt column.	
SEAT OPTIONS	Standard (no suspension), mechanical suspension, or air-ride suspension	
ARMRESTS	Standard	
CUP HOLDER	Standard	
STORAGE	Ample storage in right hand fender pod	
DIMENSIONS	Length 107" (272 cm), width 52" (132 cm), 79" (200 cm) with ROPS up	
GROUND CLEARANCE	8" (20 cm) traction unit only	
WHEELBASE	52" (132 cm)	
MACHINE WEIGHT	1731 lbs. (785 kg) with standard 11 HyperCell batteries and charger	1811 lbs. (821 kg) with standard 11 HyperCell batteries and charger
MOWING DECK WEIGHTS	60": Rear Discharge Deck 440 lbs. (200 kg). Side Discharge Deck 419 lbs. (190 kg) / 72": Rear Discharge Deck 465 lbs. (211 kg), Side Discharge Deck 476 lbs. (216 kg)	
TIRES – FRONT	23x10.5-12, 4-ply Turf Tire	
TIRES – REAR	16x6.5-8, 4-ply Turf Tire	
OPTIONAL ACCESSORIES	HyperCell Energy Expansion Kits, Recycler Kit, blade options, LED Work Light Kit, Road Light Kit, Sunshade Canopy, LED Beacon Kit for Sunshade	
WARRANTY	Traction unit and deck are warranted to be free from defects in materials and workmanship for two-years or 1500 hours, HyperCell batteries four-years or 1.5 megawatt hours (MWh) of use, whichever comes first. Reference Toro's Limited Warranty statements for additional details.	

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**Runtime will vary based on a variety of factors including; undulating terrain, turf conditions (i.e., grass type, density, height of cut, moisture), operation, battery condition, blade choice, deck rake, and more.

***EVSE connectivity ready. Not used for rapid charging.



TORO

Groundsmaster® 3500-D / 3505-D

A breakthrough rotary mower that delivers a superior quality of cut for trimming golf courses and striping sports fields.



Groundsmaster® 3500-D Specifications

GROUNDSMASTER 3500-D, MODEL 30807*				
ENGINE	Kubota® 3-cylinder, liquid-cooled diesel. Power: 24.8 hp (18.5 kW) gross, at rated speed of 3000 rpm. Torque peak: 52.7 ft-lb (71.5 N-m) @ 2200 rpm. Displacement: 1123cc. Remote-mounted 5" Donaldson® air cleaner. Fuel filter/water separator. Oil capacity 4 quarts (3.8 liters) with standard oil filter. Rear-mounted, cross flow 4-row radiator. EPA Tier IV Final and Stage V compliant.			
FUEL CAPACITY	11 gallons (42 liters). Biodiesel-Ready for use up to B-20 (20% biodiesel and 80% petroleum blend).			
CONFIGURATION	Rear mounted engine, front operator position. Two post ROPS, seat belt and slope indicator standard. Sidewinder® cutting unit system.			
TRACTION DRIVE	3-wheel drive in mow and transport. Series/Parallel™ hydrostatic, closed-loop transmission provides infinitely variable ground speed in forward and reverse. Variable displacement piston type pump.			
GROUND SPEED/CLEARANCE	Mow: 0-6 mph (0-10 km/h), mow speed is factory preset at 6 mph but is adjustable; Transport: 0-9 mph (0-14 km/h); Reverse: 0-4 mph (0-6 km/h). Ground Clearance: 6" (15.3 cm).			
CONTROLS	Forward and reverse traction control pedals; mow/transport foot lever; hand activated parking brake; hand operated ignition key switch; tilt steering wheel lock; PTO switch; throttle; joystick control for deck raise and lower; cutting deck transport lock.			
GAUGES & DIAGNOSTICS	Fuel gauge and hour meter, light cluster with glow plug and charge indicator lights, low engine oil pressure and high coolant temperature warning lights (high temperature safety shut off).			
ELECTRICAL & INTERLOCKS	Traction pedal, operator presence in seat, PTO engage or disengage, and cutting deck mow or transport safety interlock switches. Parking brake set prohibits movement through traction pedal. 40 amp alternator and 12-volt, 585 CCA battery.			
HYDRAULICS	Open center, manual valves, gear pump hydraulic system. System capacity approximately 3.5 gallon (13.2 liter) reservoir.			
STEERING	Hydraulic power steering, tilt wheel.			
TIRES/WHEELS	20 x 10-10, 4-ply rating, Turf Tread rear tire. 20 x 12-10, 4-ply rating, Turf Tread Fronts.			
BRAKES	Dynamic through hydrostatic transmission service brake. Hand actuated over center, drum type parking brake.			
OVERALL DIMENSIONS	Height 76" (193 cm) with ROPS	Length 116" (295 cm)	Width 71.8" (182cm) with standard 68" (173cm) width of cut; 75.8" (193cm) with optional 72" (183cm) width of cut	Wheelbase 59.5" (151 cm)
WEIGHT	2,110 lbs. (957 kg) with cutting units.			
WARRANTY	Two-year limited warranty. Refer to operator's manual for further details.			
CERTIFICATION	Complies with ANSI B71.4-2017 and EN5395.			
CUTTING DECKS				
TYPE	3 Contour™ Plus 27" (69 cm) rear-discharge rotary with standard full-length striping rear rollers on each deck. Sidewinder® system allows all three decks to slide right and left 12" (30 cm) of center, 24" (61 cm) total travel. Mulching kit optional.			
WIDTH OF CUT	68" (173 cm), standard and 72" (183 cm) optional. Deck overhang for trimming is 12" (30.5 cm) at 68" (173 cm) width of cut and 14" (35 cm) at 72" (183 cm). Overlap: 4.5" (11.4 cm) at standard width of cut.			
HEIGHT OF CUT	0.75"-4" (1.9-10.2 cm) in 0.25" (.6 cm) increments. 3-position 0.030" (0.08 cm) incremental calibration			
MOWING RATE**	At 68" (173 cm) width of cut, 4.1 acres/hr (1.7 hectares/hr)			
CONSTRUCTION	10-gauge steel constructed chambers with 12-gauge welded reinforcements. Heavy-duty exoskeleton deck carrier frame, 1.5" (3.8 cm) square x .25" (.6 cm) wall tube with 7-gauge side supports protects deck shell from impact damage. Spindle support 3/16" (.48 cm) high-strength steel and 10-gauge exterior channels.			
SPINDLE ASSEMBLY	Ductile cast iron spindle housing. Dual greaseable tapered roller bearings. 1.25" (3.2 cm) diameter solid cold finished steel spindle shaft. Splined connection between spindle shaft and deck motor. Welded blade retainer plus anti-scalp cups			
GROUND FOLLOWING	6" (15 cm) anti-scalp cups on each blade.			

TRACTION UNIT ACCESSORIES	
31696	Work Light Kit
30669	Universal Sunshade - White
30671	Universal Sunshade - Red
30358	Bimini Canvas Sunshade
03614	Golf Ball Operator Guard

CUTTING DECK ACCESSORIES	
104-5183	High Lift Blade
105-9810-03	Angle Sail Blade
107-0235-03	Atomic Blade
108-9026	Combo Blade
30836	Leaf Mulching Kit
137-6145	Sectional Rear Roller 27" (68.5 cm)
104-5168	Roller Scraper Kit

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Groundsmaster® 3505-D Specifications

GROUNDSMASTER 3505-D, MODEL 30849*				
ENGINE	Kubota® 3-cylinder, liquid-cooled diesel. Power: 24.8 hp (18.5 kW) gross, at rated speed of 3000 rpm. Torque peak: 71.5 (52.7) Nm (lbs-ft) @ 2200 rpm. Displacement: 1123cc. Remote-mounted 5" Donaldson® air cleaner. Fuel filter/water separator. Oil capacity 4 quarts (3.8 liters) with standard oil filter. Rear-mounted, cross flow 4-row radiator. EPA Tier IV Final and Stage V Compliant.			
FUEL CAPACITY	11 gallons (42 liters). Biodiesel-Ready for use up to B-20 (20% biodiesel and 80% petroleum blend).			
CONFIGURATION	Rear mounted engine, front operator position. Two post ROPS, seat belt.			
TRACTION DRIVE	2WD hydrostatic, closed-loop transmission provides infinitely variable ground speed in forward and reverse. Variable displacement piston type pump.			
GROUND SPEED/CLEARANCE	Mow: 0-6 mph (0-10 km/h), mow speed is factory preset at 6 mph but is adjustable; Transport: 0-9 mph (0-14 km/h); Reverse: 0-4 mph (0-6 km/h). Ground Clearance: 6" (15.3 cm).			
CONTROLS	Forward and reverse traction control pedals; mow/transport foot lever; hand activated parking brake; hand operated ignition key switch; tilt steering wheel lock; PTO switch; throttle; joystick control for deck raise and lower; cutting deck transport lock.			
GAUGES & DIAGNOSTICS	Fuel gauge, engine coolant temperature gauge, and hour meter. Light cluster with glow plug and charge indicator lights, amp, low engine oil pressure and high coolant temperature warning lights (high temperature safety shut off).			
ELECTRICAL & INTERLOCKS	Traction pedal, operator presence in seat, PTO engage or disengage, and cutting deck mow or transport safety interlock switches. Parking break set prohibits movement through traction pedal. 40 amp alternator and 12-volt, 585 CCA battery.			
HYDRAULICS	Open center, manual valves, gear pump hydraulic system. System capacity approximately 3.5 gallon (13.2 liter) reservoir.			
STEERING	Hydraulic power steering, tilt wheel.			
TIRES/WHEELS	20 x 10-10, 4-ply rating, Turf Tread tires.			
BRAKES	Dynamic through hydrostatic transmission service brake. Hand actuated over center, drum type parking brake.			
OVERALL DIMENSIONS	Height 76.1" (193 cm) w/ROPS	Length 116" (295 cm)	Width 75.8" (193cm) with standard 72" (183cm) width of cut; 71.8" (182cm) with optional 68" (173cm) width of cut	Wheelbase 59.5" (151 cm)
WEIGHT	2,110 lbs. (957 kg) with cutting units.			
WARRANTY	Two-year limited warranty. Refer to operator's manual for further details.			
CERTIFICATION	Complies with ANSI B71.4-2017 and EN5395.			
CUTTING DECKS				
TYPE	3 Contour™ Plus 27" (69 cm) rear-discharge rotary with rear roller on each deck. Mulching kit optional.			
WIDTH OF CUT	72" (183 cm), standard. Deck overlap 4.5" (11.4 cm) per side, overhang is 2" (5.1 cm).			
HEIGHT OF CUT	.75-4" (1.9-10.2 cm) in .25" (.6 cm) increments.			
MOWING RATE**	At 72" width of cut, 4.4 acres/hr (1.8 hectares/hr).			
CONSTRUCTION	10-gauge steel constructed chambers with 12-gauge welded reinforcements. 1.5" (3.8 cm) square x .25" (.6 cm) wall tube with 7-gauge side supports. Spindle support 3/16" (.48 cm) high-strength steel and 10-gauge exterior channels.			
SPINDLE ASSEMBLY	Ductile cast iron spindle housing. Dual greaseable tapered roller bearings. 1.25" (3.2 cm) diameter solid cold finished steel spindle shaft. Splined connection between spindle shaft and deck motor. Welded blade retainer plus anti-scalp cups			
GROUND FOLLOWING	6" (15 cm) anti-scalp cups on each blade. On each deck: two 5" (12.7 cm) diameter front rollers, one 3" (7.6 cm) diameter rear roller.			

TRACTION UNIT ACCESSORIES	
03229	3-Wheel Drive Kit
31692	Work Light Kit
30669	Universal Sunshade - White
30671	Universal Sunshade - Red
30358	Bimini Canvas Sunshade

CUTTING DECK ACCESSORIES	
104-5183	High Lift Blade
105-9810-03	Angle Sail Blade
107-0235-03	Atomic Blade
108-9026	Combo Blade
30836	Leaf Mulching Kit
104-5168	Roller Scraper Kit

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**Assumes max mow speed and 100% efficiency. Actual mowing rates may vary depending on operator and conditions.





Groundsmaster® 4000-D & 4010-D

The most powerful rotary mower in its class, this 11' performer delivers unsurpassed productivity and quality of cut.



Groundsmaster® 4000-D
Model 30609



Groundsmaster® 4010-D
Model 30636



		GROUNDSMASTER 4000-D, MODEL 30609*	GROUNDSMASTER 4010-D, MODEL 30636*		
ENGINE	Yanmar® 4-cylinder, liquid-cooled, turbo-charged diesel. 127 cu. in. (2.1 liter) displacement. Engine rated at 55 hp (41 kW) net and 125 ft.-lbs. (169 Nm) torque at 2,000 rpm. 8 quart (7.6 liter) oil capacity. EPA Tier IV Final and Stage V Compliant.				
AIR CLEANER	Dry, replaceable primary and safety elements.				
RADIATOR	Rear-mount, cross-flow, 6.3 fins per inch, 9 quart (8.5 liter) capacity.				
FUEL CAPACITY	21 gallons (79.5 liters) diesel fuel. Biodiesel-Ready for use up to B-20 (20% biodiesel and 80% petroleum blend)				
TRACTION DRIVE	Parallel hydrostatic, closed loop system with full-time 4WD. Forward/reverse in low (mow) and high (transport) range with full-time, automatic traction assist (forward only) standard on Groundsmaster 4000-D models. Variable displacement piston pump with electronic servo control powers dual speed displacement piston motor drive into double reduction planetary in front, and mechanical axle in rear. Smart Power® feature controls traction speed to maintain optimal cutting blade speed.				
HYDRAULICS/COOLING	8.75 gallon (33.1 liter) capacity with 10 micron remote spin-on filter. Single pass cooler, 6.3 fins per inch, SmartCool® variable speed radiator cooling fan with automatic (based on coolant and oil temps) and manual reversing capabilities.				
DIAGNOSTICS	Diagnostic pressure test ports: forward and reverse traction, left, center and right decks, reverse 4WD, lift, steering, charge and deck counterbalance circuits.				
GROUND SPEED	Transport: 0-16.2 mph (0-26.1 km/h) forward, 0-8.1 mph (0-13 km/h) reverse. Mow: 0-8.3 mph (0-13.4 km/h) forward, 0-4 mph (0-6.4 km/h) reverse.				
TIRES	Front: 26 x 12-12, 6-ply tubeless Multi-Trac. Rear: 20 x 10-10, 6-ply tubeless Multi-Trac.				
MAIN FRAME	All welded formed-steel frame with integral tie-down anchors.				
BRAKES	Mechanically actuated, internal wet disc brakes on input to each planetary drive. Individual foot-operated steering brake control of left and right wheel. Lock pedals together and latch to engage parking brake.				
SEAT	4-way adjustable, right armrest travels with seat and suspension.				
STEERING	Power steering with dedicated power source. Steering wheel tilts to desired operator position. Uncut circle: 0" diameter.				
INSTRUMENTATION	InfoCenter™: Onboard LCD display shows gauges, alerts/faults, service reminders, electrical system diagnostics. Indicates fuel level, coolant temp, intake temperature, low oil pressure, alternator, engine hours, engine rpm, hydraulic oil temperature, voltage				
CONTROLS	Tilt steering, ignition switch, throttle switch, foot-operated traction pedal, lockable individual brake pedals, parking brake lock, mow/transport speed selector switch, 3 two-position switches for individual deck lift/lower, counterbalance adjustment, tow valves, cup holder, toolbox, radio holder, fan switch and 12-volt power outlet.				
CRUISE CONTROL	Standard				
ELECTRICAL	12-volt, 690 cold cranking amps battery, 80 amp alternator. Overload protection with automotive type fuses.				
INTERLOCKS	Prevents engine from starting unless traction pedal is in neutral and deck is disengaged. If operator leaves seat while moving or deck is engaged, traction and/or deck stops, InfoCenter alarms and gives message. Mowing only permitted in low range. Traction not allowed if parking brake engaged and pedal moved out of neutral, info center alarms and gives message. Deck transport latches.				
GROUND CLEARANCE	6.5" (16.5 cm)				
OVERALL DIMENSIONS	Height 85" (216 cm) w/ ROPS up 93.9" (237 cm) w/ cab	Length 135" (343 cm) w/ decks down	Width 136" (346 cm) w/ decks down	Transport Width 71" (180 cm) @ 2" (5 cm) HOC	Wheelbase 55.5" (140 cm)
WEIGHT	4205 lbs. (1907 kg) w/ full fluids (GM4000).	4759 lbs. (2159 kg) w/ full fluids (GM4010).			
SAFETY CAB (4010)	MODEL 30636: ROPS certified cab with heat, AC and the following standard features: climate system pressurized cab, heavy-duty pantograph front windshield wiper and washer, front windshield has 38" of visibility, interior mirror, fold away exterior side mirrors, molded front fenders, right and left doors and rear window have tinted (50%) glass, front and rear windows open, quick release window latches act as emergency exit, rubber sound isolator cab mounts and upholstered interior panels and headliner, textured neoprene floor mat, interior dome light.				
SAFETY	Complies with American National Standards Institute (ANSI B71.4-2012) and applicable ISO EN 5395 (CE) (machine directive 89/392, 91/368, 93/44, 84/538, 89/336) requirements; Optional lights. Meets ANSI/SAE 5279.12 (Lighting and Marking of Agricultural Equipment on Highways). Foldable ROPS, ISO 21299 certified.				
SOUND PRESSURE OPERATOR EAR**	<80 dB when GM4010-D models (30636 & 30635) have "Quiet Mode" activated by Toro Distributor.				
WARRANTY	Two-year limited warranty. Refer to operator's manual for further details.				
ACCESSORIES	Work light, LED road lights consisting of dual taillights, dual headlights, slow moving vehicle sign, turn signal, flasher and lights, sunshade, beacon, slope sensor				
CUTTING DECKS*					
WIDTH OF CUT	Overall: 132" (335 cm), Front: 62" (157.5 cm), Wings: 42" (106.7 cm), Overlap: 7" (17.8 cm).				
MOWING RATE**	Mows up to 11.1 acres/h (4.5 hectares/h) at 8.3 mph (13.4 km/h)				
	**Assumes max mow speed and 100% efficiency. Actual mowing rates may vary depending on operator and conditions.				
CONSTRUCTION	Welded .100" (25 mm) steel with 7 and 10-gauge steel channel and plate reinforcements, bullnose bumpers.				
DECK DRIVE	Direct mounted hydraulic motor into spindle. Remaining spindle(s) driven by individual B section Kevlar belt. Quick release belt covers.				
HEIGHT-OF-CUT	1"-5" (25-127 mm) in 0.5" (13 mm) increments.				
SPINDLES	1.25" (3.17 cm) diameter spindle shafts, 9" (22.9 cm) diameter conical ductile iron housing, and 2 greaseable tapered roller bearings.				
BLADES	21.75" (55.2 cm) long, 2.5" (6.4 cm) wide, .25" (.64 cm) thick.				
CASTER WHEELS	8 x 3.50-4, 4-ply, smooth, pneumatic, sealed precision ball bearings.				
GROUND FOLLOWING	6" anti-scalp cups on each blade, adjustable skids on each deck, 4 anti-scalp rollers on front deck and 1 on each wing.				
WING PROTECTION	Bi-directional, impact absorption device on each wing deck.				
RECYCLER® KIT	Model 30420 will convert decks into Guardian® Recycler® decks.				
MULCHING KIT	Model 30422.				
SKIDS	Reversible polymetric.				

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	ROTARY BROOM, MB MODEL HCT
TYPE	Windrow type, front mounted hydraulic broom with dual motors. Electric/hydraulic angling, 30° left and right.
BROOM SIZE	32" (81 cm) diameter x 60" (153 cm) wide.
BRUSH	Sectional brush with combination polypropylene/wire radial segments.
WEIGHT	460 lbs. (209 kg)
OPTIONS	Dirt Deflector, Storage Stands.

UNIVERSAL MOUNT SUNSHADE	SUNSHADE
	White, Model 30669 / Red, Model 30671



	SNOWTHROWER, ERSKINE MODEL 2000
STAGE	2
CLEARING WIDTH	61" (155 cm)
SNOW CUT DEPTH	29" (74 cm)
CUTTING EDGE	3/8" x 3" (9.5 mm x 7.6 cm) bolt-on
SKID SHOES	Adjustable
AUGER DIAMETER	16" (41 cm) open flight
FAN DIAMETER	20" (51 cm) 4-blade
CHUTE ROTATION	Hydraulic 270°
SHEAR PROTECTION	Pressure relief
THROWING DISTANCE	Up to 30' (9.14 m)
APPROXIMATE SHIPPING WT.	850 lbs. (386 kg)
HOSES	Included

*Specifications and design subject to change without notice.

Note: The Toro Company does not manufacture or sell the snowblower or rotary broom, nor does Toro guarantee these accessories in any manner whatsoever.





Groundsmaster® 4100-D & 4110-D

A powerful 10.5 foot rotary mower that delivers 55 hp of muscle and productivity in an agile machine.



Groundsmaster® 4100-D
Model 30608



Groundsmaster® 4110-D
Model 30644

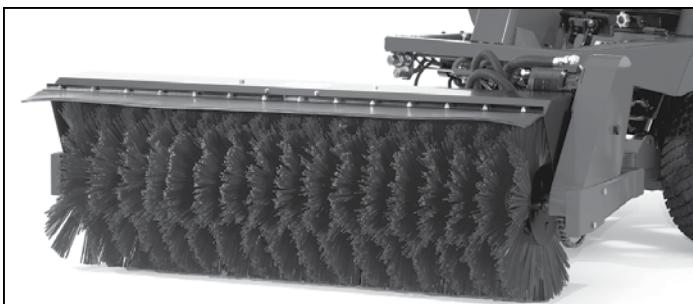


		GROUNDSMASTER 4100-D, MODEL 30608*	GROUNDSMASTER 4110-D, MODEL 30644*		
ENGINE	Yanmar® 4-cylinder, liquid-cooled, turbo-charged diesel. 127 cu. in. (2.1 liter) displacement. Engine rated at 55 hp (41 kW) net and 125 ft.-lbs. (169 Nm) torque at 2,000 rpm. 8 quart (7.6 liter) oil capacity. EPA Tier IV Final Compliant.				
AIR CLEANER	Dry, replaceable primary and safety elements.				
RADIATOR	Rear-mount, cross-flow, 6.3 fins per inch, 9 quart (8.5 liter) capacity.				
FUEL CAPACITY	21 gallons (79.5 liters) diesel fuel. Biodiesel-Ready for use up to B-20 (20% biodiesel and 80% petroleum blend)				
TRACTION DRIVE	Parallel hydrostatic, closed loop system with full-time 4WD. Forward/reverse in low (mow) and high (transport) range with full-time, automatic traction assist (forward only) optional on Groundsmaster 4100-D models. Variable displacement piston pump with electronic servo control powers dual speed displacement piston motor drive into double reduction planetary in front, and mechanical axle in rear. Smart Power® feature controls traction speed to maintain optimal cutting blade speed.				
HYDRAULICS/COOLING	8.75 gallon (33.1 liter) capacity with 10 micron remote spin-on filter. Single pass cooler, 6.3 fins per inch, SmartCool® variable speed radiator cooling fan with automatic (based on coolant and oil temps) and manual reversing capabilities.				
DIAGNOSTICS	Diagnostic pressure test ports: forward and reverse traction, left, center and right decks, reverse 4WD, lift, steering, charge and deck counterbalance circuits.				
GROUND SPEED	Transport: 0-16.2 mph (0-26.1 km/h) forward, 0-8.1 mph (0-13 km/h) reverse. Mow: 0-8.3 mph (0-13.4 km/h) forward, 0-4 mph (0-6.4 km/h) reverse.				
TIRES	Front: 26 x 12-12, 6-ply tubeless Multi-Trac. Rear: 20 x 10-10, 6-ply tubeless Multi-Trac.				
MAIN FRAME	All welded formed-steel frame with integral tie-down anchors.				
BRAKES	Mechanically actuated, internal wet disc brakes on input to each planetary drive. Individual foot-operated steering brake control of left and right wheel. Lock pedals together and latch to engage parking brake.				
SEAT	4-way adjustable, right armrest travels with seat and suspension.				
STEERING	Power steering with dedicated power source. Steering wheel tilts to desired operator position. Uncut circle: 0" diameter.				
INSTRUMENTATION	InfoCenter™: Onboard LCD display shows gauges, alerts/faults, service reminders, electrical system diagnostics. Indicates fuel level, coolant temp, intake temperature, low oil pressure, alternator, engine hours, engine rpm, hydraulic oil temperature, voltage.				
CONTROLS	Tilt steering, ignition switch, throttle switch, foot-operated traction pedal, lockable individual brake pedals, parking brake lock, mow/transport speed selector switch, 3, two position switches for individual deck lift/lower, counterbalance adjustment, tow valves, cup holder, toolbox, radio holder, fan switch and 12-volt power outlet.				
CRUISE CONTROL	Standard				
ELECTRICAL	12-volt, 690 cold cranking amps battery, 80 amp alternator. Overload protection with automotive type fuses.				
INTERLOCKS	Prevents engine from starting unless traction pedal is in neutral and deck is disengaged. If operator leaves seat while moving or deck is engaged, traction and/or deck stops, InfoCenter alarms and gives message. Mowing only permitted in low range. Traction not allowed if parking brake engaged and pedal moved out of neutral, InfoCenter alarms and gives message. Deck transport latches.				
GROUND CLEARANCE	6.5" (16.5 cm)				
OVERALL DIMENSIONS	Height 85.3" (216.7 cm) w/ ROPS up 93.3" (237 cm) w/ cab	Length 144" (366 cm) w/ decks down	Width 127" (323 cm) w/ decks down	Transport Width 71" (180 cm) @ 2" (5 cm) HOC	Wheelbase 55.5" (140 cm)
WEIGHT	4237 lbs. (1922 kg) w/ full fluids (GM4100-D).	4890 lbs. (2218 kg) w/ full fluids (GM4110-D).			
SAFETY CAB (4110)	MODEL 30644: ROPS certified cab with heat, AC and the following standard features: climate system pressurized cab, heavy-duty pantograph front windshield wiper and washer, front windshield has 38" of visibility, interior mirror, fold away exterior side mirrors, molded front fenders, right and left doors and rear window have tinted (50%) glass, front and rear windows open, quick release window latches act as emergency exit, rubber sound isolator cab mounts and upholstered interior panels and headliner, textured neoprene floor mat, interior dome light.				
SAFETY	Complies with American National Standards Institute (ANSI B71.4-2012) and applicable ISO EN 5395 (CE) standards (machine directive 89/392, 91/368, 93/44, 84/538, 89/336) requirements; Optional lights. Meets ANSI/ASAE 5279.12 (Lighting and Marking of Agricultural Equipment on Highways). Foldable ROPS, ISO 21299 certified.				
WARRANTY	Two-year limited warranty. Refer to operator's manual for further details.				
ACCESSORIES	Work light, LED road lights consisting of dual taillights, dual headlights, slow moving vehicle sign, turn signal, flasher and lights, sunshade, beacon, slope sensor				
CUTTING DECK*					
WIDTH OF CUT	Overall: 124" (315 cm), Center deck section: 54" (137.1 cm), Two 37" (93 cm) width of cut wings. 89" (226 cm) width of cut with one wing up.				
MOWING RATE	Mows up to 10.4 acres/hr (4.2 hectares/hr) at 8.3 mph (13.4 km/hr). Assumes no overlap or stops. **Assumes max mow speed and 100% efficiency. Actual mowing rates may vary depending on operator and conditions.				
CONSTRUCTION	Welded .100" (2.5 mm) high-strength steel with steel 7 and 10-gauge channel and plate reinforcements.				
DECK DRIVE	Direct mounted hydraulic motor into spindle. Remaining spindle(s) driven by individual B section Kevlar belt. Quick-release belt covers.				
HEIGHT-OF-CUT	1"-5" (25-127 mm) in .5" (13 mm) increments.				
SPINDLES	1.25" (3.17 cm) diameter spindle shafts, 9" (22.9 cm) diameter conical ductile iron housing, and 2 greaseable tapered roller bearings.				
BLADES	19" (48.3 cm) long, 2.5" (6.4 cm) wide, .25" (.64 cm) thick.				
CASTER WHEELS	8 x 3.50-4, 4-ply, smooth, pneumatic, sealed precision ball bearings.				
GROUND FOLLOWING	6" anti-scalp cups on each blade, adjustable skids, 3 anti-scalp rollers on front deck and 1 on each wing.				
WING PROTECTION	Impact absorption device on each wing deck.				
MULCHING KIT	Model 30419.				
SKIDS	Reversible polymetric.				

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Actual products offered for sale may vary in use, design, required attachments and safety features. See distributor for details on all warranties.



Groundsmaster® 4100-D & 4110-D Attachment Specifications*



	ROTARY BROOM, MB MODEL HCT
TYPE	Windrow type, front mounted hydraulic broom with dual motors. Electric/hydraulic angling, 30° left and right.
BROOM SIZE	32" (81 cm) diameter x 60" (153 cm) wide.
BRUSH	Sectional brush with combination polypropylene/wire radial segments.
WEIGHT	460 lbs. (209 kg)
OPTIONS	Dirt Deflector, Storage Stands.

UNIVERSAL MOUNT SUNSHADE	SUNSHADE
	White, Model 30669 / Red, Model 30671



	SNOWTHROWER ERSKINE MODEL 2000
STAGE	2
CLEARING WIDTH	61" (155 cm)
SNOW CUT DEPTH	29" (74 cm)
CUTTING EDGE	3/8" x 3" (9.5 mm x 7.6 cm) bolt-on
SKID SHOES	Adjustable
AUGER DIAMETER	16" (41 cm) open flight
FAN DIAMETER	20" (51 cm) 4-blade
CHUTE ROTATION	Hydraulic 270°
SHEAR PROTECTION	Pressure relief
THROWING DISTANCE	Up to 30' (9.14 m)
APPROXIMATE SHIPPING WT.	850 lbs. (386 kg)
HOSES	Included

*Specifications and design subject to change without notice.

Note: The Toro Company does not manufacture or sell the snowthrower or rotary broom, nor does Toro guarantee these accessories in any manner whatsoever.



TORO

Groundsmaster® 4300-D

The Groundsmaster 4300-D provides superior hill climbing ability, a lightweight footprint and ample power with its 43.4 hp (32.4 kW) diesel engine. Its five Contour Plus cutting units closely follow contours for an even cut on undulating terrain and heavy-duty rear rollers provide a beautiful striping pattern for spectacular results.



GROUNDSMASTER 4300-D, TIER 4 DIESEL, MODEL 30879*		
ENGINE	Yanmar® 3-cylinder, 88.5 ft.-lbs. of torque, liquid-cooled, turbocharged diesel, 43.4 hp (32.4 kW) 91.4 cu. in. (1.5 liter) displacement. 5.5 quart (4.7 liter) oil capacity. Tier 4 Final, Stage V.	
AIR CLEANER	Dry, replaceable primary and optional safety element.	
RADIATOR	Rear-mount, cross flow, 7-row, 6.3 fins per inch, 5.5 quart (5.2 liter) capacity.	
FUEL CAPACITY	13.5 gallons (51.1 liters) diesel fuel. Biodiesel-ready for use up to B20 (20% biodiesel 80% diesel blend).	
TRACTION DRIVE	Electronically controlled hydrostatic pump with individual wheel motors. CrossTrax® All-Wheel Drive system standard, which transfers power from the front wheels to the opposite rear wheels via independent rear wheel motors.	
HYDRAULICS/COOLING	14 gallon (53 liter) capacity with two remote spin-on filters; main system, and traction charge. Oil cooler is a double row single pass that tilts out for cleaning.	
DIAGNOSTICS	Diagnostics pressure test ports: forward and reverse traction, deck circuit 1 & 2, charge, 4WD, and lift.	
GROUND SPEED	0-10 mph (0-16 km/hr) forward transport; 0-8 mph (0-12.8 km/hr) mow, factory default is 7 mph (11.3 km/hr); 0-5 mph (0-8 km/hr) reverse transport; 0-4 mph (0-6.4 km/hr) reverse mow.	
TIRES	Front: 26.5 x 14-12, 6-ply turf tread. Rear: 20 x 12-10, 6-ply turf tread.	
MAIN FRAME	All welded formed-steel frame with integral tie-down anchors.	
BRAKES	Dynamic braking through hydrostatic traction drive. Parking brake is activated when engine is turned off, when operator leaves seat, or by rocker switch.	
SEAT	Mechanical suspension seat standard with pivoting LH armrest, pivoting RH control arm and retractable seat belt, Air-Ride seat suspension optional.	
STEERING	Rear wheel, power steering with an independent hydraulic pump circuit.	
INSTRUMENTATION	InfoCenter™: Onboard LCD display shows gauges, alerts/faults, service reminders, electrical system diagnostics. Indicates fuel level, coolant temp, low oil pressure, alternator, engine hours, engine rpm, voltage, counterbalance settings, glow indicator, lift/lower indicator.	
CONTROLS	Single foot-operated traction pedal. Hand-operated key ignition switch, cutting unit raise/lower switch, cutting unit engage switch, parking brake switch, cruise control switch, and headlight switch all positioned on right hand pivoting control console.	
ELECTRICAL	12-volt battery with 540 cold cranking amps, 55 amp alternator. Overload protection with automotive-type fuses.	
INTERLOCKS	Prevents engine from starting unless traction pedal is in neutral and deck is disengaged. If operator leaves seat with deck engaged, decks stop. If operator leaves the seat with the unit out of neutral, engine stops. Engine stops if parking brake engaged and traction pedal not in neutral.	
OPERATOR AREA	Beverage holder, radio holder / mobile phone holder, 12-volt power outlet, open compartment for tools, jackets, golf balls, etc. under control arm.	
WORK LIGHTS	Standard, LED, 650 lumens	
ROLL-OVER PROTECTION	2-post standard.	
DIMENSIONS W/ CUTTING UNITS & WEIGHT	Overall length w/decks down: 126" (320 cm) Overall width: 96.3" (245 cm) (outside of decks) Overall transport width: 88.3" (224 cm) (outside of front tires) Height w/2-post ROPS: 86" (215 cm) Wheelbase: 60" (152.4 cm) Track Width, front/rear: 88.3" (224 cm)/54" (137 cm) Ground clearance: 5" (12.7 cm)	Traction Unit Weight: 3,205 lbs (1454 kg) - with full fluids and 5 cutting units. Cutting Unit Weight: 140 lbs (64 kg) - single cutting unit assembly only.
SAFETY	Complies with American National Standards Institute (ANSI B71.4) and applicable ISO EN 5395 (CE) standards (machine directive 89/392, 91/368, 93/44, 84/538, 89/336) requirements.	
WARRANTY	Two-year limited.	
CUTTING UNITS*		
TYPE	Five Contour™ Plus 22" (55.9 cm), rear-discharge rotary cutting units w/rear rollers.	
WIDTH OF CUT	90" (2.3 m), overlap 5" (12.7 cm), overhang 1" (2.5 cm).	
HEIGHT OF CUT	.75"-4" (1.9-10.2 cm) in .25" (.6 cm) increments.	
MOWING RATE**	6.4 acres/hr (2.6 hectares/hr)	
DECK DRIVE	Hydraulic, direct coupled to spindle	
CONSTRUCTION	Cutting chamber is 10-gauge steel constructed chambers with 12-gauge welded reinforcements. Spindle support is 3/16" (.48 cm) high-strength steel and 10-gauge exterior channels. Cutting unit frame is welded 1.5" (3.8 cm) square x .25" (.6 cm) wall tube with 7-gauge side supports. Spindle support 3/16" (.48 cm) high-strength steel and 10-gauge exterior channels.	
SPINDLE ASSEMBLY	Ductile cast iron spindle housing. Dual greaseable tapered roller bearings. 1.25" (3.2 cm) diameter solid cold finished steel spindle shaft. Splined connection between spindle shaft and pulley. Welded blade retainer plus anti-scalp cups.	
GROUND FOLLOWING	6" (15.3 cm) anti-scalp cups on each blade. On each deck: two 5" (12.7 cm) diameter front rollers with sealed stainless steel bearings, one 3" (7.6 cm) diameter rear roller with greaseable stainless steel bearings.	
BLADES	22" (55.9 cm) long, 2.5" (6.4 cm) wide, .25" (.64 cm) thick. Standard: combo blade (108-7395-03)	

* 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. See distributor for details on all warranties.

** Assumes max mow speed and 100% efficiency. Actual mowing rates may vary depending on operator and conditions.



TRACTION UNIT ACCESSORIES	
03667	Air ride suspension seat
30669	Universal Sunshade - White
30671	Universal Sunshade - Red
03247	Operator Fan Kit
85-4750	Diagnostic Display Box
03614	Golf Ball Operator Guard

CUTTING DECK ACCESSORIES	
30845	22" Cutting Unit
117-0209-03	Angle Sail Blade
114-0435-03	Atomic Mulching Blade
108-7395	Combo Blade
117-0185	Leaf Mulching Kit
137-6147	Sectional Rear Roller 22" (55.8 cm)
117-0149	Roller Scraper Kit

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TORO

Groundsmaster® 4500-D & 4700-D

Powerful rotary mowers that deliver impressive cutting quality.



GROUNDSMASTER 4500-D, MODEL 30885*		GROUNDSMASTER 4700-D, MODEL 30887*
ENGINE	Yanmar® 4-cylinder liquid-cooled, turbocharged diesel. Power: 55 hp (41.1 kW) power at rated speed of 2700 rpm. Torque peak: 125 ft-lbs (169 Nm) @ 2000 rpm. Displacement: 127 cu. in. (2.1 liters). EPA Tier IV Final and Stage V Compliant.	
AIR CLEANER	Dry, replaceable primary and safety elements.	
RADIATOR	Rear-mount, single pass, 7-row, 6.3 fins per inch, 13 quart (12.3 liters) capacity.	
FUEL CAPACITY	22 gallons (83 liters) diesel fuel. Biodiesel-Ready for use up to B-20 (20% biodiesel and 80% petroleum blend).	
TRACTION DRIVE	Parallel hydrostatic, closed loop system with full-time 4WD forward/reverse in low (mow) and high (transport) range with optional full-time, or momentary traction flow divider (forward only) (Model 31529). Variable displacement piston pump with electronic servo control powers dual speed piston motor drive into double reduction planetary in front, and mechanical axle in rear. Smart Power® feature controls traction speed to maintain optimal cutting blade speed.	
HYDRAULICS/COOLING	8.25 gallon (31.3 liter) capacity with 10 micron remote spin-on filter, single-pass cooler, 6.3 fins per inch. Variable speed SmartCool hydraulic fan drive with automatic (based on coolant and oil temps) and auto/manual reversing capabilities.	
DIAGNOSTICS	Diagnostics pressure test ports: forward and reverse traction, deck circuit 1 & 2, reverse 4WD, lift, steering, traction charge, and counter balance.	
GROUND SPEED	Transport: 0-13 mph (0-21 km/h) forward, 0-8.0 mph (0-12.8 km/h) reverse. Mow: 0-8.0 mph (0-12.8 km/h) forward, 0-6.5 mph (0-10.4 km/h) reverse. (Max speeds adjustable by both operator and supervisor.)	
TIRES	Front: 29 x 14-15, 6-ply ultra-tread. Rear: 20 x 10-10, 4-ply Multi-Trac tread.	
MAIN FRAME	All welded formed-steel frame with integral tie-down anchors.	
BRAKES	Dynamic through hydrostatic transmission, plus mechanically-actuated, internal wet disc brakes on input to each planetary drive. Individual foot-operated steering brake control of left and right front wheel. Lock pedals together and latch to engage parking brake.	
SEAT	Premium seat with adjustments for operator weight via air ride suspension, seat fore/aft position, seat back angle, arm rest height and retractable seat belt.	
STEERING	Power steering with dedicated power source, tilt steering.	
INSTRUMENTATION	InfoCenter™ System: Onboard LCD display shows gauges, alerts/faults, service reminders, electrical system diagnostics. Indicates fuel level, coolant temperature, intake temperature, low oil pressure, alternator, engine hours, engine rpm, hydraulic oil temperature, voltage and fuel usage.	
CONTROLS	Ignition switch, traction range selection switch, PTO switch, light switch, cruise control switch. Foot-operated traction pedal, individual foot-operated steering brake control of left and right wheels with parking brake lock. Lift Switches: One 2-position switch (GM 4500-D). Three 2-position switches (GM 4700-D).	
CRUISE CONTROL	Off/on/engage switch with on-screen adjustable speed control through the InfoCenter while engaged. Auto-disengage with PTO deactivation or braking.	
ELECTRICAL	12-volt, 650 cold cranking amps battery, 40 amp alternator. Overload protection with automotive type fuses.	
INTERLOCKS	Prevents engine from starting unless traction pedal is in neutral and deck is disengaged. If operator leaves seat with deck engaged, engine stops. Machine automatically switches to low range if decks are lowered. Engine stops if parking brake engaged and traction pedal not in neutral. Prevents switching mow to transport unless stopped to protect turf.	
OPERATOR AREA	Beverage holder, radio holder, 12-volt power point, storage box (tools, jackets, golf balls, etc.), seat belt.	
WORK LIGHT	Standard, LEDs, 650 lumens.	
ROPS	2-post foldable, standard.	
DIMENSIONS	GM 4500-D	
W/ CUTTING UNITS	Overall length w/decks down 145.8" (370 cm)	145.8" (370 cm)
	Overall width, lowered/raised 112.8" (286 cm)/88.3" (224 cm)	153.8" (391 cm)/88.3" (224 cm)
	Height w/2-post ROPS 88.8" (216 cm) upright, 65.2" (165 cm) folded	88.8" (216 cm) upright, 65.2" (165 cm) folded
	Wheelbase 67.5" (172 cm)	67.5" (172 cm)
	Track Width, front/rear 88.3" (224 cm)/55.5" (141 cm)	88.3" (224 cm)/55.5" (141 cm)
	Ground clearance 6" (15.3 cm)	6" (15.3 cm)
WEIGHT	4,495 lbs. (2038 kg) - with full fluids.	5,045 lbs. (2288 kg) - with full fluids.
MOWING RATE**	8.8 acres/hr (3.6 hectares/hr)	12.1 acres/hr (4.9 hectares/hr)
SAFETY	Complies with American National Standards Institute (ANSI B71.4-2017) and applicable ISO EN 5395 (CE) standards (machine directive 89/392, 91/368, 93/44, 84/538, 89/336) requirements.	
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.	
CUTTING UNITS*		
TYPE	Five Contour™ Plus 27" (68.6 cm), rear-discharge rotary cutting units with standard full-length striping rear rollers.	Seven Contour™ Plus 27" (68.6 cm), rear-discharge rotary cutting units with standard full-length striping rear rollers.
WIDTH OF CUT	109" (277 cm), overlap 6.5" (16.5 cm), overhang 10.4" (26.4 cm).	150" (381 cm), overlap 6.5" (16.5 cm), overhang 30.9" (78.4 cm).
MOWING CONFIGURATIONS	Five fixed decks, 109" (277 cm) cutting width.	Operate-on-the-fly mowing configurations of 5, 6, or 7 decks utilizing the independently-operable outboard cutting units, resulting in cutting widths of 109" (276.8 cm), 129.5" (328.9 cm), or 150" (381 cm).
HEIGHT OF CUT	0.75"-4" (1.9-10.2 cm) in 0.25" (.6 cm) increments. 3-position 0.030" (0.08 cm) incremental calibration	
CONSTRUCTION	10-gauge steel constructed chambers with 12-gauge welded reinforcements. Heavy-duty exoskeleton deck carrier frame, 1.5" (3.8 cm) square x .25" (.6 cm) wall tube with 7-gauge side supports protects deck shell from impact damage. Spindle support 3/16" (.48 cm) high-strength steel and 10-gauge exterior channels.	
SPINDLE ASSEMBLY	Ductile cast iron spindle housing. Dual greaseable tapered roller bearings. 1.25" (3.2 cm) diameter solid cold finished steel spindle shaft. Splined connection between spindle shaft and deck motor. Welded blade retainer plus anti-scalp cups.	
GROUND FOLLOWING	6" (15.3 cm) anti-scalp cups on each blade. On each deck: two 5" (12.7 cm) diameter front rollers, one 3" (7.6 cm) diameter rear roller.	
BLADES	27" (68.6 cm) long, 2.5" (6.4 cm) wide, 0.25" (.64 cm) thick. Standard combo blade, optional Atomic, high sail and angle sail blades.	
WING PROTECTION	Groundsmaster 4700-D has an impact absorption device on wing decks.	

*Specifications and design subject to change without notice.

**Assumes max mow speed and 100% efficiency. Actual mowing rates may vary depending on operator and conditions.



TRACTION UNIT ACCESSORIES	
30629	Premium Seat
31696	Work Light Kit
30669	Universal Sunshade - White
30671	Universal Sunshade - Red
30358	Bimini Canvas Sunshade
115-8473	90-amp Alternator Kit
31529	4WD Flow Divider Kit
03614	Golf Ball Operator Guard
30670	EU Road Light Kit

CUTTING DECK ACCESSORIES	
104-5183	High Lift Blade
105-9810-03	Angle Sail Blade
107-0235-03	Atomic Blade
108-9026-03	Combo Blade
30836	Leaf Mulching Kit
137-6145	Sectional Rear Roller 27" (68.5 cm)
104-5168	Roller Scraper Kit

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Groundsmaster® 5900 & 5910

You won't have to work as hard to be productive with a 16-foot mower that can cut an acre of grass in less than 5 minutes.



GROUNDSMASTER 5900, MODEL 31698* / GROUNDSMASTER 5910, MODEL 31699*	
ENGINE	Yanmar 3.3L, EPA Tier 4 Final and EU Stage IV emissions compliant, turbocharged diesel with direct injection and electronic high-pressure common rail. 72 HP (53.7 kW) @ 2500 rpm, Torque: 206 ft.-lbs. (279 Nm) @ 1625 rpm Displacement: 202 cu. in. (3.3 L).
COOLING SYSTEM	24V dual electric fan banks for separate engine radiator and hydraulic oil cooling; fan banks are variable speed, with auto-reverse feature (SmartCool®, based on coolant and oil temps), radiator is cross flow, 3 rows, 9 fins per in. (FPI). Hydraulic oil cooler is crossflow, 6 FPI. Cooling fan banks tilt away for fast, easy cleaning.
FUEL SYSTEM	Uses ultra-low sulfur diesel fuel only. Biodiesel compatible up to B20.
CAPACITIES	Fuel: 35 gal.(132L) Hydraulic: 19 gal (71.9 L). Engine Oil w/ filter: 11 qt. (10.4 L). Coolant: 13.5 qt. (12.7 L) (Model 31698), 18 qt. (17 L) (Model 31699)
HYDRAULIC SYSTEM	Capacity: 19 gallons (71.9 L) reservoir, Remote spin-on charge filter, Oil: Toro premium all season hydraulic fluid
TIRES/WHEELS	Front: 29x12.00-15, 6 ply rating, 32 psi; Rear: 23x10.50-12, 6 ply rating, 30 psi
INSTRUMENTATION	Onboard LCD (InfoCenter™) display shows customizable gauges, service reminders, advisories/faults and troubleshooting assistance. Indicates fuel level, coolant temp, hydraulic oil temp, engine glow plug, low oil pressure, air cleaner restriction, 12 and 24 volt alternator voltage output, engine hours and rpm, and engine DPF regeneration.
POWERTRAIN	Full time automatic forward and reverse 4WD in low (mow) range. Front wheel drive in transport. Parallel hydrostatic, closed loop with cross wheel traction (CrossTrax™) design; traction drive pump: variable displacement piston, servo control. Front drive: 2-speed, fixed displacement high torque, low speed radial piston motors. Rear drive: single speed, fixed displacement, high torque, low speed radial piston motors. Smart Power® feature controls traction speed to maintain optimal cutting blade speed.
ELECTRICAL SYSTEM	Main: 12 volt system; Alternator: 12V, 80 amp, supplied w/ engine. Battery: 1380 CCA (2x 690 CCA). Cooling Fans, Engine/Hydraulic cooling: 24 volt system; Alternator: 24V, 105 amp w/ remote sense; Battery: 350 CCA; Disconnect ON/OFF switch for 12 & 24 volt service safety.
BRAKES	Service: Dynamic, hydrostatic 4WD in low range. Front wheel drive braking in high range. Parking: Electrohydraulic controlled via double-motion rocker switch. Spring applied, hydraulic released. Internal to front wheel motors. Automatically applies with engine OFF or key OFF. Manual override from operator platform for servicing
PRODUCTIVITY	Infinitely variable speed. Forward speeds: mow: 0-10.8 mph (17.4 km/h) Transport: 0-20 mph (0-32.2 km/h). Reverse speeds: mow 0-5.7 mph (0-9.2 km/h), transport: 0-10.5 mph (0-16.9 km/h) transport. Speed control: Electronic, limits max speed. Mowing capacity: 20.9 acres/hr. (8.5 ha/hr)**; NOTE: For EU countries complying to ISO 5395, all speeds and mow rates should be reduced by 12%.
CONTROLS	Control arm, right armrest, travels with seat and suspension. Deck lift/lower, electrohydraulic switches. Throttle: electronic, variable. Traction pedal, electronic. Park brakes: double-motion switch. Steering: hydrostatic load sensing. Other: High/low range, PTO, cruise control, lights, horn, key switch, wing deck transport latches (manual).
OPERATOR STATION	Operator platform: isolated rubber mounted. Seat: 4 way adjustable with vinyl (31698) or cloth (31699) cushions standard. Suspension: air-ride with 3 in. (7.6 cm) of adjustability. Steering: power and adjustable tilt. Traction Pedal: adjustable angle uses position sensor. Storage box, cup holder, and 12 volt power outlet, double USB port, standard.
STEERING	Uncut circle - 0" diameter. Turning radius - 86" (218 cm)
CAB (5910)	ROPS certified cab with heat, AC and the following standard features: climate system pressurized cab, heavy-duty pantograph front windshield wiper and washer, front windshield has 38" of visibility, interior mirror, fold away exterior side mirrors, molded front fenders, right and left doors and rear window have tinted (50%) glass, front and rear windows open, quick release window latches act as emergency exit, rubber sound isolator cab mounts and upholstered interior panels and headliner, textured neoprene floor mat, interior dome light. Power provided for optional aftermarket audio accessories. Optional rotating beacon for cab units (31509), additional turn signals and work lights available.
SAFETY AND LIGHTING	Standard (31698 & 31699): LED headlights, brake lights, tail lights, and amber turn signals and flashers). Disconnect ON/OFF switch for 12 & 24-volt service safety.
CERTIFICATION	Meets or exceeds EU Machinery Directive (2006/42/EC); ISO 5395-2013 and ANSI B71.4-2012; ISO 21299 and SAE J1194; OSHA 29CFR1910.95 (SAEJ1175, European Directive 2000/14/EC, ISO 5395-2013); EN 55012:2007 and CISPR12. Model 31698 meets or exceeds ANSI/ASAE S279.12 (Lighting and Marking of Agricultural Equipment on Highways). Model 31699 air conditioning system meets SAE J1503, Section 8.
WARRANTY	Two year limited warranty.
VEHICLE WEIGHT (W/ FULL FLUIDS)	6,710 lbs. (3043 kg) (31698), 7,304 lbs. (3313 kg) (31699)
GROUND CLEARANCE	10.3 in. (26.1 cm)
DIMENSIONS	WIDTH: Transport: 99 in. (251 cm), Mow: 199 in. (505 cm) LENGTH: 174 in. (442 cm) HEIGHT: 85 in. (216 cm) (31698), 95 in. (241 cm) (31699) WHEELBASE: 77 in. (196 cm)

CUTTING DECKS*	
TYPE	Three rear discharge rotary decks
CUTTING WIDTH	All three decks: 192 in. (488 cm), One wing: 57 in. (145 cm), center deck: 92 in. (234 cm), center deck + one wing: 144 in. (366 cm).
HEIGHT OF CUT	1-6 " in (2.5 – 15 cm) in 0.5 in. (1.3 cm) increments.
CONSTRUCTION	11-gauge high-strength steel. 7-gauge, reinforcements, bullnose bumpers.
PROTECTION	2-way shock absorption on wing decks.
DECK DRIVE	HybridDrive™ - Hydraulic motor to spindle, remaining spindle(s), driven by "B" section v-belts.
TENSIONING	Automatic, spring loaded idlers.
SPINDLES	Shaft: 1.25" (3.2 cm) hardened steel. Housing: 9" (22.9 cm) ductile iron. Bearings: Greaseable tapered roller.
STANDARD BLADES	20" (50.8 cm), heat-treated steel blades.
OPTIONAL BLADES	Atomic™ mulching blades, flat blades.
SKIDS	4 reversible polymeric, 2 reversible steel

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**Assumes max mow speed and 100% efficiency. Actual mowing rates may vary depending on operator and conditions.

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Groundsmaster® 5900/5910 Accessories*



SNOWTHROWER ERSKINE MODEL 2000	
STAGE	2
CLEARING WIDTH	85" (216 cm)
SNOW CUT DEPTH	29" (74 cm)
CUTTING EDGE	3/8" x 3" (9.5 mm x 7.62 cm) bolt-on
SKID SHOES	Adjustable
AUGER DIAMETER	16" (41 cm) open flight
FAN DIAMETER	20" (51 cm) 4-blade
CHUTE ROTATION	Hydraulic, 270°
SHEAR PROTECTION	Pressure relief
THROWING DISTANCE	Up to 30' (9.4 m)
APPROXIMATE SHIPPING WEIGHT	850 lbs. (386 kg)
HOSES	Included

TORO ACCESSORIES AND PARTS	
Model/Part #	Description
30669	Universal Mount Sunshade – White
30671	Universal Mount Sunshade – Red
138-2700	Work Lights for Sunshade
31672	Additional Turn Signals for ROPS/Sunshade
31590	Work Lights for GM5910
31671	Additional Turn Signals for GM5910
119-7719	Backrest Extension Kit – Fabric for GM5910
119-7718	Backrest Extension Kit – Vinyl for GM5900
31604	Leaf Mulching Kit
93-5973	10" Foam Filled Caster Tire Assembly
31609	MVP Maintenance Kit (oil/fuel)
31512	Back-up Alarm Kit
119-8256	Rotating Beacon Kit for GM5900
31509	Rotating Beacon Kit for GM5910



ROTARY BROOM M-B MODEL SHL	
TYPE	Windrow type, front mounted hydraulic broom with dual motors. Electric/hydraulic angling, 30° left and right.
BROOM SIZE	32" (81 cm) diameter x 60" (153 cm) wide.
BRUSH	Sectional brush with combination polypropylene/wire radial segments.
OPTIONS	Dirt Deflector, Storage Stands.

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NOTE: The Toro Company does not manufacture or sell the snow thrower, rotary broom, nor does Toro guarantee these accessories in any manner whatsoever.



TORO

Groundsmaster® 7200/7210

The first zero-radius turn Groundsmaster combines the power, maneuverability and versatility for almost any job.

Add the PolarTrac® System to transform the Groundsmaster 7210 into a powerful snow removal machine.



	GROUNDSMASTER 7200 (30495)*	GROUNDSMASTER 7210 (30695)*
ENGINE	Kubota® 3-cylinder, liquid-cooled diesel. Power: 24.8 hp (18.5 kW) gross, at rated speed of 3000 rpm. Torque peak: 52.7 ft. lbs. (71.5 Nm) @ 2200 rpm. Displacement: 1123cc. High idle: 3200 rpm no load (uninstalled) 3100-3200 rpm installed. Remote mounted 5" Donaldson® air cleaner. Fuel filter/water separator. EPA Tier IV Final Compliant.	Yanmar®; 3-cylinder common-rail, liquid-cooled, diesel with EGR and diesel particulate filter (DPF), 36.8 hp (27.4 Kw) rated @ 3000 rpm, 80 ft-lbs @ 1950 rpm, High idle 3000 rpm, Low idle 1400 rpm, displacement 1642 cc. Remote mounted Donaldson air filter, external spin-on oil filter and high flow fixed fan. EPA Tier IV Final Compliant.
RADIATOR	Rear mount, cross flow, 6.5 fins per 1" (25 mm), 8 quart (7.6 liter) capacity	
FUEL CAPACITY	11.5 gallons (43.5 liters), diesel. Biodiesel-Ready for use up to B-20 (20% biodiesel and 80% petroleum blend)	
ENGINE OIL W/ FILTER	3.9 quarts (3.69 liter).	5.5 quarts (6.1 liter)
HYDRAULIC OIL	3.5 gallons (13.25 liter).	
TRANSMISSION	Transmission directly mounted to engine via bell housing, two independent closed-loop circuits. One pump/motor controlling left side forward, neutral, and reverse, and one pump/motor controlling right side forward, neutral, and reverse. Pumps are variable displacement piston type with slippers and full stroke capacity of 18 cc/rev.	
WHEEL DRIVE	Independent high-torque, low-speed wheel motors with 310 cc displacement.	
PTO CLUTCH	Hydraulically actuated wet multi-disc clutch.	
STEERING CONTROL	Adjustable twin sticks with high performance hydraulic dampers. Rev/N/Forward, located on sides of operator.	
GROUND SPEED (MOWING CONFIGURATION)	Forward 0-12.5 mph (0-20 km/h), variable. Reverse 0-8.5 mph (0-13.7 km/h), variable.	
ALTERNATOR/GENERATOR	12-volt, 40 amp internal regulated charging @ 3150 rpm.	12-volt, 55 amp internal regulated charging @ 3150 rpm.
BATTERY	BCI Group No.: 26, 540 cold cranking amps @ 0° F.	
INSTRUMENTATION	Hour meter, glow indicator, high temp indicator, oil pressure indicator, alternator indicator.	InfoCenter™: Onboard LCD display shows gauges, alerts/faults, service reminders, electrical system diagnostics. Indicates, coolant temp, intake temperature, low oil pressure, alternator, engine hours, engine rpm, hydraulic oil temperature, voltage
SAFETY LOGIC CONTROLS	Toro Standard SCM.	
INTERLOCKS	Tractor neutral, operator presence (engine shuts down if operator is not in seat and traction sticks are moved to the operation position), parking brake, PTO on, auxiliary hydraulics on, high temp (PTO shuts down but engine still running), over temp (engine shuts down).	
SERVICE BRAKE	Twin levers with dynamic braking through hydrostatic transmission.	
PARKING BRAKE	Hand actuated brake lever with two 10.25" diameter disc brakes mounted on the rear wheel motors.	
DRIVE TIRES	24 x12-12, 6-ply pneumatic tubeless, demountable and interchangeable. Tread "Toro Turf Tread".	
FRONT CASTOR TIRES	4-ply ribbed tread, tubeless 15 x 6-6, 20-22 psi.	
ROLLOVER PROTECTION (ROPS)	Two-post foldable style ROPS certified per OSHA 1928.52 specification.	
SEAT	Two piece, high back cushion seat with drain hole, deluxe low profile suspension, adjustable for operator weight, seat back angle, seat fore/aft position, armrest height, retractable seat belt.	
STORAGE	Built-in cup holder, and personal storage reached from seat. Storage for rain gear, tools, etc.	
IGNITION	Off/run/start, located right of operator.	
THROTTLE	Low - high idle, located right of operator.	
DECK HYDRAULIC LIFT	Raise/hold/lower/float; switch located on at end of right handle.	
CURB CLIMBING	Capable of climbing 8" (20.3 cm) curbs.	
TIE DOWNS	Four loops, one located on each corner of the machine.	
FUEL ECONOMY	TBD	1.1 gallons/hr (4.8 liters/hr)
CERTIFICATION	Cutting unit meets specification of American National Standard ANSI B71.4-2012, Safety Specifications for commercial turf care equipment. Cutting units sold in EU meets specifications of European standard per ISO EN 5395	
WARRANTY	2-year limited warranty. Refer to the Operator's Manual for further details.	

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CUTTING DECK CONFIGURATIONS	CUTTING DECKS (SOLD SEPARATELY)*		
	72" DECK W/GUARDIAN® KIT OR FINE CUT GUARDIAN® KIT	72" SIDE DISCHARGE	72" DECK W/REAR DISCHARGE KIT
DECK MODEL NUMBER	30353	30481	30353
COMPLETION KIT (BLADES AND BAFFLES)	30304 or 30346	NA	30549
WIDTH OF CUT	72" (182.8 cm)	72" (182.8 cm)	72" (182.8 cm)
BLADE TIP SPEED (@3250 ENGINE RPM)	16,000±1,000 ft./min.	18,000±1,000 ft./min.	16,000±1,000 ft./min.
5/16" THICK RUBBER DISCHARGE CHUTE	NA	Yes	Yes
CUTTING DECK DEPTH	4.25" (10.8 cm)	5.5" (13.9 cm)	4.25" (10.8 cm)
DECK ANTI-SCALP ROLLERS	4	5	4
BUMPER SKIDS	2	1	2
LEAF MULCHING KIT	NA	PN 108-5273	NA
STRIPING KIT	NA	105-7273	NA
RECYCLER KIT	NA	30347	NA
TALL GRASS BAFFLE KIT	PN 105-7269	NA	PN 105-7269
MEDIUM FLOW BLADE	NA	PN 110-0621-03	NA
HIGH FLOW BLADE	NA	PN 110-0622-03	NA
ATOMIC MULCHING BLADE	NA	PN 110-0624-03	NA
FLAT BLADE	NA	NA	PN 112-9586
STANDARD BLADE	PN 108-1958	NA	PN 108-1958
BLADE AND BELT KIT	PN 105-7271	PN 105-7272	PN 105-7271
MOWING RATE (ACRES/HR)**	5.8	5.8	5.8
SHIPPING WEIGHT	472 lb.. (214 kg.)	600 lb.. (272 kg.)	472 lb.. (214 kg.)
HEIGHT OF CUT	1"-6" (25 - 152 mm) adjustable in 0.25" (6 mm) increments.		
60" & 72" SIDE DISCHARGE DECK CONSTRUCTION	7-gauge (4.5 mm) 5.5" steel (14 cm) deep; welded deck with grass discharged on the right side. An 5/16" (8 mm) thick rubber discharge chute covers the discharge opening to limit the throw distance of clippings.		
62" & 72" BASE DECK CONSTRUCTION	7-gauge (4.5 mm) 4.25" steel (11 cm) deep; welded deck. Requires Guardian® Recycler® or rear discharge completion kit.		
FINE CUT GUARDIAN® RECYCLER COMPLETION KIT	Three deflectors inside the chamber redirect clippings that are elevated in the chambers so that they are cut and re-cut. Deck chambers prevent throwing of objects out from deck.		
SPINDLE ASSEMBLY	Ductile cast iron 9" (23 cm) diameter conical spindle housing; Dual greaseable tapered roller bearings; Spindle shaft is 1.25" (3.2 cm) diameter, solid cold finished steel, splined connection between spindle shaft and pulley; Welded blade retainer plus anti-scalp cups.		
CUTTER DRIVE	Isolation mounted, splined PTO-driven gearbox transfers power to three separate spindles via two separate "B" section belts.		
BLADES	Three 0.25" (6 mm) thick, 2.5" (63 mm) wide, heat-treated steel blades.		
DECK SUSPENSION	Frame which supports deck via 4 vertically suspended chains. Front drag links provide fore/aft and left/right stability. Hydraulic deck lift includes load holding check valves and gravity lower. Weight transfer system consisting of two torsion springs counterbalances some cutting deck weight to reduce turf damage.		
BELT IDLER	Spring-loaded (torsion) idler.		
DECK SKID	Replaceable, bolt-on, non-marking UHMW skid on both sides for Base decks and on left side on side discharge decks. Interchangeable left to right on base decks.		
ANTI-SCALP CUPS	Anti-scalp cup located on each blade spindle.		

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** Assumes 8 mph mow speed, no overlap and 100% efficiency.



PART NUMBER	MOWING UNIT ACCESSORIES
30374	Road Light Kit (30382 required, not required for Polar Trac® system)
30382	12V Power Port/Electrical Accessory Kit
112-1688	Spark Arrestor Kit (30495)
114-4050	Slow Moving Vehicle (SMV) Sign
30483	Jack Stand Kit
110-6406	Semi-Pneumatic Tire Assembly (front caster wheel)
103-6771	Lug Tire (use in applications requiring greater traction) Does not work with rear discharge deck configuration

DIMENSIONS	GROUNDSMASTER 7200/7210 WITH CUTTING DECKS	GROUNDSMASTER 7200/7210 WITH POLAR TRAC® SYSTEM & NO ATTACHMENT
HEIGHT ROPS UP	72" (182.8 cm)	
OVERALL LENGTH	97" (246.4 cm)	100" (254 cm)
OVERALL WIDTH	78" (198.2 cm) (72" (182.8 cm) Base Deck) 75" (190.5 cm) (72" (182.8 cm) Side Discharge)	49.5" (125.7 cm)
WHEELBASE	57" (144.8 cm)	NA

	POLAR TRAC SYSTEM
GENERAL	Polar Trac system converts the Groundsmaster 7210 into a snow removal machine complete with two rubber tracks and a climate controlled cab. Estimated conversion time is four hours for two people. Consists of two models: Cab (30474), Tracks and Front Frame: (30675)
TRACTION DRIVE	Three wheels per side with rear wheel mounted in place of mower traction wheel. Front two wheels are mounted to a walking axle that permits motion without losing track tension. Track tread is made of a Kevlar® reinforced rubber compound designed to maintain traction on snow and ice.
GROUND SPEED	8 mph (12.9 km/h).
SAFETY CERTIFICATIONS	Complies with American National Standards Institute (ANSI B71.4-2012) and applicable CE(machine directive 89/392, 91/368, 93/44, 84/538, 89/336) requirements; ROPS certified ISO21299; Glass meets ANSI Z-26.1999 and ECE R43; EMC compliant
HYDRAULIC LIFT	Two foot pedals located on center of Polar Trac floor board; Left pedal: Raise/Lower/Hold/Float. Right pedal: Attachment angle control-right/left.
ATTACHMENT SYSTEM	Quick-attach A-mount on a hydraulically powered lift arm. PTO coupler to attachment is a quick connect as are the connections for the hydraulic connectors.
ATTACHMENT CONTROLS	Two foot pedals in Polar Trac; one pedal controls the lift and lower of the attachment. The other pedal controls either the rotation of the snow blower discharge chute or the angular position of both the rotary broom and straight blade.
SNOW ATTACHMENTS	Snow blower, rotary broom, angled snow blade and powered V-plow. (Allied Attachments)
POLAR TRAC® CAB	ROPS certified cab is heated and pressurized with the following standard features: heater, pressurized heater/fan, heavy-duty pantograph front windshield wiper and washer, front windshield has 40° of visibility, interior mirror, fold away exterior side mirrors, molded front fenders, tinted full glass; rear window and both doors, rear window opens, quick release right side window act as emergency exit, rubber sound isolator cab mounts and upholstered interior panels and headliner, textured neoprene floor mat, interior dome light.
CAB LIGHT SYSTEM	Standard lighting consisting of head lamps, turn signals, flashers and tail lamps. Meets ANSI/ASAE S279.12 (Lighting and Marking of Agricultural Equipment on Highways).

PART NUMBER	POLAR TRAC SYSTEM ATTACHMENTS
30675	Polar Trac Frame and Rubber Tracks (required)
30474	Polar Trac Cab (required)
ALLIED	BOSS® Front Plow – ask your local Toro distributor for part information
ALLIED	BOSS TG300S – Rear broadcast spreader – ask your local Toro distributor for part information
ALLIED	Rotary Broom (M-B Companies model MCT)
ALLIED	Snowblower (Erskine Attachments)
ALLIED	Straight Blade (M-B Companies)
30382	12V Power Port/Electrical Accessory Kit

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Groundsmaster® 7210 Accessories* (continued)

	SNOWTHROWER, ERSKINE MODEL 1600**
STAGE	2
WIDTH OF CUT	53" (135 cm)
CUTTING HEIGHT	22" (56 cm)
CUTTING EDGE	51" (130 cm) bolt-on
SKID SHOES	Adjustable/Hardened
AUGER DIAMETER	12" (30 cm) open flight
FAN DIAMETER	16" (41 cm)
CHUTE ROTATION	Hydraulic
SHEAR PROTECTION	Pressure relief
CASTING DISTANCE	Up to 25' (7.62 m)
APPROXIMATE SHIPPING WEIGHT	418 lbs. (190 kg)
HOSES	Included



	BOSS® STRAIGHT BLADE
BLADE	60" (152.4 cm) Smart Shield Poly Blade
CUTTING EDGE	1/4" x 4" x 60" (.635 cm x 10.2 cm x 152.4 cm) steel plate, reversible
ANGLING	0-30 degrees infinitely left & right, hydraulically operated
WIDTH	60" (152.4 cm)



	POWERED V-PLOW, M-B MODEL V-PLOW***
CONFIGURATION	This implement combines two useful snow attachments, V-plow and angled blade, into one.
ANGLING	0-30 degrees, left and right, hydraulically
BLADE WIDTHS	Straight – 57.5" (146 cm) "V" – 50" (127 cm) Scoop – 48.25" (123 cm) Angled – 61" (155 cm)
BLADE HEIGHT	23" (58 cm)
CUTTING EDGE	Bolt-on, trip edge
SKID SHOES	Adjustable, cast-hardened



	ROTARY BROOM, M-B MODEL MCT***
TYPE	MECHANICAL Windrow type, front mounted mechanical drive broom. Hydraulic angling, 30 degrees left and right.
SWING	Swing pivot point inline with 50 degree CV joint
BROOM SIZE	25" (63.5 cm) diameter brush, 60" (152 cm) width.
BRUSH	Sectional brush with choice of polypropylene, wire or combination radial segments.
SHIPPING WEIGHT	60" Broom: 500 lbs. (227 kg).
OPTIONS	Hydraulic Swing Cylinder, Electric Swing Mechanism, Dirt Deflector, Storage Stands.

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**Manufactured by Erskine. Attachment model ES1600. The Toro Company does not manufacture or sell the snowblower, nor does Toro guarantee these accessories in any manner whatsoever.

***Manufactured by M-B Companies, Inc.



Groundsmaster® 7210 Accessories* (continued)

	BOSS® Salt Spreader, Model TGS 300**
HOPPER CAPACITY	3 cu ft/200 lbs (.08 cu m/91 kg)
HOPPER DIMENSIONS	217/8" H X 29"W X 15"D (53 cm x 74 cm x 38 cm)
SPREADER WEIGHT	70 lb. (31 kg) plus mount
FEED MECHANISM†	Internal auger w/material saving brush and adjustable drop-feed gate
VIBRATOR KIT	Not recommended
MOTOR	High-torque/12-volt DC
SPINNER	12" (31 cm) poly
SPREAD WIDTH	4-30 feet (1-9 meters)
MATERIAL DEFLECTOR	Adjustable poly deflector
RECEIVER HITCH	See Toro Distributor for details on mounting.
CONTROL	Variable speed control with blast feature and overload protection



	SUNSHADE
UNIVERSAL SUNSHADE	Model 30669 (White), 30671 (Red)
SWITCH PANEL	03248
OPERATOR COOLING FAN	03247
LED WORK LIGHTS	138-2700
BEACON	138-2699
BIMINI CANVAS	Model 30358



Universal Sunshade (shown with optional Operator Cooling Fan)

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** Manufactured by BOSS®.



TORO

Z Master® 7500-D 144"

Heads will definitely turn when you're towing one of the coolest bulls in our pen around town. Z Master Series mowers really shine once they're off the trailer, as they are bulging at the seams with performance, reliability and efficiency at an unbeatable value. You'll finish more jobs faster than ever. The Z Master also provides world-class comfort and industry-leading durability. Your customers will love the beautiful cut of the Turbo Force® deck.



Z Master® 7500-D 144" Specifications

Z MASTER 7500-D 144", MODEL 72144*	
ENGINE	43.4 hp (32.3 kW) Yanmar® Turbo-Diesel (1,568cc)
FUEL CAPACITY	12 gallons (45.4 liters), diesel. Biodiesel-Ready for use up to B-20 (20% biodiesel and 80% petroleum blend).
DRIVE	Hydro-Drive
DRIVE SYSTEM DESCRIPTION	Kanzaki KPS-18T Transmission, 14-quart (13.2 liter) oil capacity, spin-on filter. 18 cc shoe type pumps and 1.83/1.09 cubic inch 2-speed Danfoss axial piston motors plus Omni planetary gear reduction, hydraulic oil cooler.
CLUTCH	Wet Disc
STEERING CONTROL	1.4" (3.6 cm) Diameter Grips; Hydraulically damped twin levers, adjust fore and aft., also adjustable to 2 height positions. Adjustable dampeners (3 positions) to customize drive responsiveness.
WIDTH OF CUT	144" (365.7 cm)
HEIGHT OF CUT	1.0" - 5.5" (.25" increments) 2.5 - 14.0 cm (.6 cm increments)
CUTTING DECKS	7-Gauge High-Strength Steel TURBO FORCE®, rear discharge.
SPINDLE HOUSING	9" (22.9 cm) Diameter Cast Aluminum, 1" (2.5 cm) Heavy-Duty Spindle Shaft. Maintenance-Free Spindle Bearings.
MOW/TRANSPORT SPEED	10/17 mph forward (16.1/27.4 km/h) 6/9 mph reverse (9.7/14.5 km/h)
ELECTRICAL	12-volt battery with 175 amp alternator.
INSTRUMENTATION	Hour meter, glow indicator, high temp indicator, oil pressure indicator.
INTERLOCKS	Operator Presence Controls (OPC) and drive system interlock, with safety interlock system indicators.
PARKING BRAKE	Spring applied, hydraulic release internal wet disc brake.
DRIVE TIRES	Multi Trac 26" x 12" - 12" (66.0 x 30.5 - 30.5 cm)
CASTOR TIRES	15" x 6" - 6" (38.1 x 15.2 x 15.2 cm) Flat-Free Semi-Pneumatic
ROLLOVER PROTECTION (ROPS)	Two-post foldable style ROPS
SEAT	Deluxe Suspension Comfort w/Armrests (Flip-Up, Iso-Mount)
STORAGE	Built-in cup holder, and personal storage reached from seat.
IGNITION	Off/run/start, located right of operator.
THROTTLE	Low mode, Economy Mode, Max Mode, selection made on Horizon Technology screen on operator console.
DECK HYDRAULIC LIFT	Hydraulic deck lift. Raise/Lower. Switch located on operator console.
TIE DOWNS	Four loops, one located on each corner of the machine.
CERTIFICATION	Cutting unit meets specification of American National Standard ANSI B71.4-2017, Safety Specifications for commercial turf care equipment.
WARRANTY	5-Year 1500-Hour / First 2 Years No Hour Limit



TORO

ProLine® H800

The Toro ProLine H800 direct collect rotary mower with high-lift dump mechanism was engineered for unmatched collection performance and lowest total cost of operation and ownership. Featuring a powerful Yanmar® 24.7 hp (18.4 kW) diesel engine; fast groundspeed up to 9.3 mph (15km/h); our innovative Smart Airflow direct collection design; and 77" (1.95 m) high-lift system that dumps clippings directly into truck beds or trailers, and you can quickly see the ProLine H800 has no equal when comparing overall collection performance and productivity. The ProLine H800 also runs longer without stopping, due to its large 10.8-gallon (41 liter) fuel tank, automatic deck cleaning wipers that prevent the chute from plugging, and innovative sensor technology that automatically shuts off the mowing deck when the hopper is filled. Packed with productivity enhancing features, the ProLine H800 can mow, collect and dispose of up to 3 acres (12,000 m²) of material per hour!



PROLINE H800, MODEL 31051	
ENGINE	Yanmar; 3-cylinder, liquid-cooled, diesel. Rated Power 24.7 hp (18.4 kW) @ 3000 rpm, Gross Power 24.7 hp (18.4 kW) @ 3000 rpm. High idle: 3200 rpm; Displacement: 1.266 liter. Remote mounted 5" (12.7cm) Virgis air filter.
FUEL CAPACITY	10.8 gallons (41 liters) diesel
TRACTION DRIVE	Engine-mounted hydrostatic transmission powering four hydraulic wheel motors providing dual-diagonal full-time all-wheel drive.
TIRES	Front: 23 x 10.5-12 turf tires. Rear: 18 x 7.5-8 turf tires.
AIR CLEANER	Dry, replaceable primary and safety element.
INSTRUMENTATION	Indicators: glow indicator, battery discharge, low engine oil pressure, blocked air cleaner, grass collector raised, parking brake on, work light on, headlight on, hazard light on. Gauges: hour meter/service indicator, engine temperature gauge, fuel tank level gauge with low level lamp.
CONTROLS	Ignition switch, throttle lever, single foot-operated traction pedal, service brake with parking brake latch, switch for adjusting the height of cut.
GROUND SPEED	Transport & Mowing: 0-9.3 mph (0-15 km/h), continuously variable. Reverse: 6.2 mph (0-10km/hr)
RADIATOR	Smart Cool®. Electric with automatic or manual reversing for cleaning.
MAIN FRAME	All welded formed-steel frame
BRAKES	Service brake: Traction pedal provides dynamic braking through hydrostatic transmission. Parking brake: Foot pedal actuates drum brakes on front wheels. Foot operated lock retains pedal in actuated position.
STEERING	Rear axle with hydraulic steering. Adjustable tilt steering wheel with 2 2/3 turns lock to lock.
ELECTRICAL	55A alternator with P terminal. Battery: 12V, 55B24
INTERLOCKS	Prevents engine from starting unless traction pedal is in neutral and deck is disengaged. If operator leaves seat with deck engaged, engine stops. If operator leaves the seat with the unit out of neutral, engine stops. Engine stops if parking brake is engaged and traction pedal not in neutral.
SEAT	Low profile mechanical suspension, retractable seat belt
LIGHTS	Work and road lights standard
HYDRAULICS/COOLING	2.5 gallon (9.5 liter) capacity, fan-cooled oil cooler, high pressure cartridge filter
PTO CLUTCH	Belt-driven, Ogura electromagnetic clutch, with magnetic blade brake, powering drive shaft to gearbox on deck. Deck shuts off automatically when grass collector is full.
ROLLOVER PROTECTION	2-post standard foldable ROPS, meets ISO 21299
SAFETY	EN ISO 5395 (CE), ANSI B71.4-2017
CERTIFICATION	Certified to meet the CE Machinery Directive 2006/42/EC. Certified to meet Electromagnetic Compatibility Directive 2014/30/EU, Physical Agents Directive (Vibration) 2002/44/EC, Outdoor Noise Directive 2000/14/EC, and Battery Directive 2000/66/EC. Meets emissions regulations EU Stage V. Reg. Compliance Mark (RCM) AS NZS CISPR 12:2009, Canadian EMC ICES-002, EAC
WARRANTY	Two-year limited warranty. Refer to the operator's manual for further details.
CUTTING DECK	
WIDTH OF CUT	50" (1.26m)
HEIGHT OF CUT	0.8-4.3" (20-109mm), Infinitely variable, hydraulically-adjusted, remotely controlled from operator's station
DECK CONSTRUCTION	Formed and welded deck with front bull-nose bumper.
DISCHARGE	Direct grass collection.
SPINDLE ASSEMBLY	1" (25mm) diameter spindles mounted in two greaseable bearings.
CUTTER DRIVE	PTO driven gearbox with spiral bevel gears, "B" section belt drive to all spindles.
BLADES	Front: heat-treated steel; Counter-rotating: Two heat-treated blade segments per spindle, bolted to integral fan disc
BLADE TIP SPEED	80.7 m/s (15,900 ft/min) +/- 2% at 3,210 engine RPM
DECK SUSPENSION	Two caster wheels in front, lift arm links in rear
CASTOR WHEELS	Two, smooth, semi-pneumatic 9.00x3.50-4
BELT IDLER	Adjustable, spring-loaded idler
DECK SKID	Replaceable, bolt-on, non-marking UHMW skid on both sides.
DECK ANTI-SCALP ROLLERS	Front nose roller and two rear side rollers
DECK COVERS	Molded plastic with 1/4 turn fasteners and retention bolt
CUTTING DECK DEPTH	4.5" (114mm)
CERTIFICATION	European standard per EN ISO 5395, ANSI B71.4-2017, CE approved.
MOWING RATE	Mow up to 3 acres (12,000 m ²) per hour

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ProLine® H800 Specifications* continued

COLLECTION SYSTEM	
VOLUME	1 cubic yard / 214 gallons (810 liter)
GRASS DISTRIBUTOR	Automatic electric-powered grass distributor for level filling
FULL COLLECTOR SENSOR	Adjustable sensor detects when collector is full and disengages deck
ENGINEERED VENT	Air vent system is engineered to retain and pack clippings with minimal dust or debris discharge
CONTROLS	Separate hydraulic lift and hydraulic tip to dump. Rear door opens automatically when tipping
MAXIMUM DUMP HEIGHT	77" (1.95 m) with 12" (.3 m) overhang
DIMENSIONS & WEIGHT WITH CUTTING DECK	
HEIGHT	ROPS up 81.5" (2.07 m); ROPS down 65.4" (1.66 m)
OVERALL LENGTH	114.6" (2.91 m)
OVERALL WIDTH	56.3" (1.43 m)
WHEELBASE	46.9" (1.19 m)
EST. SHIPPING WEIGHT	With Cutting Deck 2,160 lbs (980kg), without Cutting Deck 1,786 lbs (810kg)

TRACTION UNIT ACCESSORIES	
134-3594	Arm Rest Kit
134-1718	Mulching Kit
134-4690	Debris Suppression Kit
30358	Bimini Sunshade
134-5691	Dust Deflector Kit

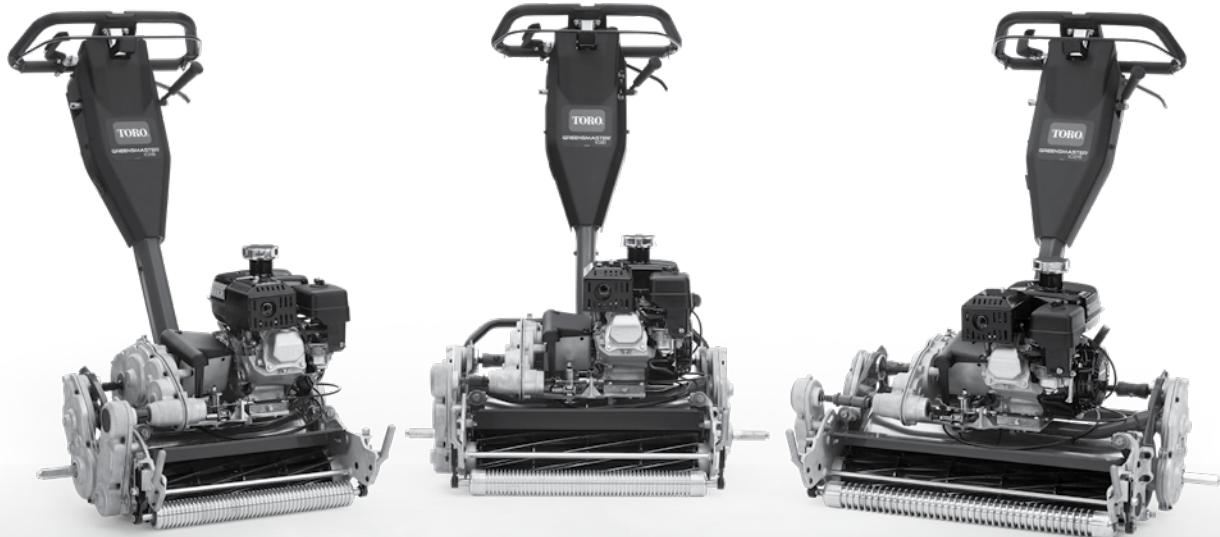
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TORO

Greensmaster® 1000 Series – The legend continues.

Toro's line of fixed-head walk behind greensmowers have been thoughtfully engineered to bring each operator and greensmower into perfect harmony. Multiple innovations, starting with an industry-first telescoping handle, come together to deliver unparalleled cut quality and consistent playability on each and every green. The uniquely modular design also makes the new Greensmaster 1000 Series mowers easier to maintain, saving significant time and money.



GREENSMASTER 1018, MODEL 04820*	
ENGINE	Honda GX120 - 3.5 hp (2.6 kW) @3600 rpm, gasoline with integral lighting coil.
FUEL CAPACITY	2.1 qts (2L)
FRAME	Fully modular design allows quick disassembly for service / maintenance of all major components.
TRACTION DRIVE	Full gear drive transmission with integral traction differential and traction drive disconnect to ease movement during service / maintenance operations. Interchangeable drum drive gear cases.
TRACTION DRUM	Dual position traction drum with positions for contour following or forward weight bias at higher heights of cut.
GROUND SPEED	Mowing Speed: 2.0 mph (3.2 km/h) to 3.5 mph (5.6 km/h) Transport Speed (maximum): 5.3 mph (8.5 km/h) with optional transport tires.
CLUTCH	Externally-mounted two sided dry disc clutch actuated by dual motion bail.
BRAKE	Service / parking – band type.
CUTTING UNIT DRIVE	Quick-change dual-speed gear drive, combined with positive drive belt – 4 possible reel speeds/clip settings.
CUTTING UNIT ATTACHMENT	Detachable cutting unit allows easy removal for service / maintenance or cutting unit exchange for different uses.
CUTTING UNIT	14-blade cutting unit
CONTROLS	Engine mounted: recoil starter, choke, fuel shutoff. Handle mounted: on/off switch, throttle lever, dual motion traction / safety bail, reel engage lever, service/park brake lever, hour meter, whiteboard, light switch (optional).
HANDLE	Loop handle with telescoping adjustment with 5" (12.7 cm) total travel, rubber isolated to minimize operator influence during mowing.
TRANSPORT TIRES / KICKSTAND	Optional – Two, quick-detachable pneumatic tires (3.00X3.25-6). Kickstand is standard.
WIDTH OF CUT	18" (45.7 cm)
HEIGHT OF CUT RANGE	For Greens: (Drum Position One) 0.062" to 0.312" (1.5 mm to 8 mm) For Tees: (Drum Position Two) 0.25" to 0.625" (6 mm to 16 mm) High Height of Cut Kit: (Drum Position Two) 1.18" (30 mm)
WEIGHT	217 lbs. (98 kg) with 14-blade cutting unit, aluminum Wiehle roller.
MAINTENANCE REQUIREMENTS	No daily greasing required.
CERTIFICATION	Designed in accordance to applicable ANSI and CE specifications.
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.

GREENSMASTER 1018 ACCESSORIES

CUTTING UNITS & REEL OPTIONS		GROOMER OPTIONS		BEDKNIFE OPTIONS		TRACTION UNIT ACCESSORIES	
04824	14-Blade DPA EdgeSeries™ Cutting Unit	04707	Universal Groomer Drive	117-1530	EdgeMax™ Microcut (standard)	04135	LED Light Kit
ROLLER OPTIONS		04268	Grooming Brush – Soft	110-2300	Extended Microcut	04138	Cutting Unit Light Kit Mount
04804	Interlaced Narrow Wiehle Roller	04269	Grooming Brush – Stiff	110-2301	Lowcut	04136	Push Broom Kit
04814	Full Front Roller	04801	Twin Tip Groomer Blade Assembly	117-1532	EdgeMax™ Tournament	139-4342	Backlap Access Kit
04148	Extended Narrow Wiehle Roller	SCRAPER/BRUSH OPTIONS		139-4318	EdgeMax™ Short Microcut	139-4369	Wireless Hour Meter Kit
140-3362	Extended Narrow Wiehle Roller - Heavy	139-7411	Interlaced Roller Scraper Assembly	139-4319	EdgeMax™ Short Tournament	99-4286	High Height of Cut Bracket
115-7361	Auxiliary Roller Extensions	139-7412	Interlaced Roller Scraper Brush Assembly	98-7260	Tournament	04123	Wheel Kit
		120-9617	Full Roller Scraper Assembly	98-7261	Microcut	TOOLS	
		120-9623	Full Roller Scraper Brush Assembly			04399	Turf Evaluator
						125-5610	Reel Paper – (10 Pack)
						140-5531	Reel Shim
						131-6828	Angle Indicator
						131-6829	Angle Indicator Mount
						94-9010	Height of Cut Bar

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GREENSMASTER 1021, MODEL 04830		
ENGINE	Honda GX120 - 3.5 hp (2.6 kW) @3600 rpm, gasoline with integral lighting coil.	
FUEL CAPACITY	2.1 qts (2L)	
FRAME	Fully modular design allows quick disassembly for service / maintenance of all major components.	
TRACTION DRIVE	Full gear drive transmission with integral traction differential and traction drive disconnect to ease movement during service / maintenance operations. Interchangeable drum drive gear cases.	
TRACTION DRUM	Dual position traction drum with positions for contour following or forward weight bias at higher heights of cut.	
GROUND SPEED	Mowing Speed: 2.0 mph (3.2 km/h) to 3.5 mph (5.6 km/h)	Transport Speed (maximum): 5.3 mph (8.5 km/h) with optional transport tires.
CLUTCH	Externally-mounted two sided dry disc clutch actuated by dual motion bail.	
BRAKE	Service / parking – band type.	
CUTTING UNIT DRIVE	Quick-change dual speed gear drive combined with positive drive belt for (4) possible reel speed/clip settings.	
CUTTING UNIT ATTACHMENT	Detachable cutting unit allows easy removal for service / maintenance or cutting unit exchange for different uses.	
CUTTING UNIT OPTIONS	8-blade cutting unit	11-blade cutting unit
CONTROLS	Engine mounted: recoil starter, choke, fuel shutoff. Handle mounted: on/off switch, throttle lever, dual motion traction / safety bail, reel engage lever, service/park brake lever, hour meter, whiteboard, light switch (optional).	
HANDLE	Loop handle with telescoping adjustment with 5" (12.7 cm) total travel, rubber isolated to minimize operator influence during mowing.	
TRANSPORT TIRES / KICKSTAND	Optional – Two, quick-detachable pneumatic tires (3.00X3.25-6). Kickstand is standard.	
WIDTH OF CUT	21" (53.3 cm)	
HEIGHT OF CUT RANGE	For Greens: (Drum Position One) 0.062" to 0.312" (1.5 mm to 8 mm) For Tees: (Drum Position Two) 0.25" to 0.625" (6 mm to 16 mm) High Height of Cut Kit: (Drum Position Two) 1.18" (30 mm)	
WEIGHT	224 lbs (100 kg) with 11-blade cutting unit, aluminum Wiehle roller.	
MAINTENANCE REQUIREMENTS	No daily greasing required. On board backlapping available with optional kit.	
CERTIFICATION	Designed in accordance to applicable ANSI and CE specifications.	
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.	

GREENSMASTER 1021 ACCESSORIES

CUTTING UNITS & REEL OPTIONS		GROOMER OPTIONS		BEDKNIFE OPTIONS		TRACTION UNIT ACCESSORIES	
04832	8-Blade DPA EdgeSeries™ Cutting Unit	04707	Universal Groomer Drive	115-1880	EdgeMax™ Microcut (standard)	04135	LED Light Kit
04833	11-Blade DPA EdgeSeries™ Cutting Unit	04270	Grooming Brush – Soft	108-4303	Extended Microcut	04138	Cutting Unit Light Kit Mount
04834	14-Blade DPA EdgeSeries™ Cutting Unit	04271	Grooming Brush – Stiff	108-4302	Extended Tournament	04136	Push Broom Kit
		04802	Twin Tip Groomer Blade Assembly	115-1881	EdgeMax™ Tournament	139-4342	Backlap Access Kit
				139-4320	EdgeMax™ Short Microcut	04800	Backlap Kit
				139-4321	EdgeMax™ Short Tournament	139-4369	Wireless Hour Meter Kit
				137-6092	EdgeMax™ Fairway Bedknife	99-4286	High Height of Cut Bracket
				137-6097	Fairway	04123	Wheel Kit
ROLLER OPTIONS		SCRAPER/BRUSH OPTIONS		BEDKNIFE OPTIONS		TOOLS	
04084	Interlaced Narrow Wiehle Roller	139-4383	Interlaced Narrow Wiehle Roller Scraper/Brush	93-4262	Microcut	04399	Turf Evaluator
04087	Full Front Roller	139-4385	Interlaced Narrow Wiehle Roller Scraper	93-4263	Tournament	125-5610	Reel Paper – (10 Pack)
04085	Extended Interlaced Narrow Wiehle Roller	115-7378	Wide Wiehle Roller Scraper/Brush	93-4264	Low Cut	140-5531	Reel Shim
04086	Paspalum Wiehle Roller	125-3504	Wide Wiehle Roller Scraper	94-6392	High Cut	131-6828	Angle Indicator
04088	Split Front Roller – Full	115-7379	Full Roller Scraper/Brush			131-6829	Angle Indicator Mount
04081	Split Narrow Wiehle Roller	125-3505	Full Roller Scraper			94-9010	Height of Cut Bar
04083	Wide Wiehle Roller	121-2260	Rear Roller Scraper Kit (Flex CU)				
115-7361	Auxiliary Roller Extension Kit						
140-3361	Interlaced Narrow Wiehle Roller – Heavy						
04080	Narrow Wiehle						
04082	Extended Narrow Wiehle						

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GREENSMASTER 1026, MODEL 04840*	
ENGINE	Honda GX120 - 3.5 hp (2.6 kW) @3600 rpm, gasoline with integral lighting coil.
FUEL CAPACITY	2.1 qts (2L)
FRAME	Fully modular design allows quick disassembly for service / maintenance of all major components.
TRACTION DRIVE	Full gear drive transmission with integral traction differential and traction drive disconnect to ease movement during service / maintenance operations. Interchangeable drum drive gear cases.
TRACTION DRUM	Dual position traction drum with positions for contour following or forward weight bias at higher heights of cut.
GROUND SPEED	Mowing Speed: 2.0 mph (3.2 km/h) to 3.5 mph (5.6 km/h) Transport Speed (maximum): 5.3 mph (8.5 km/h) with optional transport tires.
CLUTCH	Externally-mounted two sided dry disc clutch actuated by dual motion bail.
BRAKE	Service / parking – band type.
CUTTING UNIT DRIVE	Quick-change dual speed gear drive combined with positive drive belt for (4) possible reel speed/clip settings.
CUTTING UNIT ATTACHMENT	Detachable cutting unit allows easy removal for service / maintenance or cutting unit exchange for different uses.
CUTTING UNIT OPTIONS	8-blade cutting unit 11-blade cutting unit
CONTROLS	Engine mounted: recoil starter, choke, fuel shutoff. Handle mounted: on/off switch, throttle lever, dual motion traction / safety bail, reel engage lever, service/park brake lever, hour meter, whiteboard, light switch (optional).
HANDLE	Loop handle with telescoping adjustment with 5" (12.7 cm) total travel, rubber isolated to minimize operator influence during mowing.
TRANSPORT TIRES / KICKSTAND	Optional – Two, quick-detachable pneumatic tires (3.00X3.25-6). Kickstand is standard.
WIDTH OF CUT	26" (66 cm)
HEIGHT OF CUT RANGE	For Greens: (Drum Position One) 0.062" to 0.312" (1.5 mm to 8 mm) For Tees: (Drum Position Two) 0.25" to 0.625" (6 mm to 16 mm) High Height of Cut Kit: (Drum Position Two) 1.18" (30 mm)
WEIGHT	240 lbs (108.8 kg) with 11-blade cutting unit, aluminum Wiehle roller.
MAINTENANCE REQUIREMENTS	No daily greasing required. On board backlapping available with optional kit.
CERTIFICATION	Designed in accordance to applicable ANSI and CE specifications.
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.

GREENSMASTER 1026 ACCESSORIES

CUTTING UNITS & REEL OPTIONS	
04842	8-Blade DPA EdgeSeries™ Cutting Unit
04843	11-Blade DPA EdgeSeries™ Cutting Unit

GROOMER OPTIONS	
04707	Universal Groomer Drive
04276	Grooming Brush – Stiff
04803	Twin Tip Groomer Blade Assembly

BEDKNIFE OPTIONS	
117-1548	EdgeMax™ Tournament (standard)
139-4322	EdgeMax™ Short Microcut
139-4323	EdgeMax™ Short Tournament
139-4324	EdgeMax™ Microcut
107-8181	Fairway
112-9275	Microcut
94-5885	Tournament
93-9015	Low Cut
104-2646	High Cut

TRACTION UNIT ACCESSORIES	
04135	LED Light Kit
04138	Cutting Unit Light Kit Mount
04136	Push Broom Kit
139-4342	Backlap Access Kit
04800	Backlap Kit
139-4369	Wireless Hour Meter Kit
99-4286	High Height of Cut Bracket
04123	Wheel Kit

ROLLER OPTIONS	
04076	Interlaced Narrow Wiehle Roller
04079	Full Front Roller
04077	Long Narrow Wiehle Roller
04078	Wide Wiehle Roller
04092	Narrow Wiehle
04093	Extended Narrow Wiehle
115-7361	Auxiliary Roller Extension Kit

SCRAPER/BRUSH OPTIONS	
139-5125	Interlaced Narrow Wiehle Roller Scraper/Brush
139-4394	Interlaced Narrow Wiehle Roller Scraper
139-7410	Wide Wiehle Roller Scraper/Brush
139-7406	Wide Wiehle Roller Scraper
139-5117	Full Roller Scraper/Brush
139-4398	Full Roller Scraper
140-5590	Rear Scraper Kit (Flex CU)

TOOLS	
04399	Turf Evaluator
125-5610	Reel Paper – (10 Pack)
140-5531	Reel Shim
131-6828	Angle Indicator
131-6829	Angle Indicator Mount
94-9010	Height of Cut Bar

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TORO

Greensmaster® e1021 / e1026

Game changing Lithium-Ion innovation.

Extremely quiet with no engine exhaust emissions, the all-electric Toro® Greensmaster® e1021 and e1026 synchronize the operator and machine in an effort to eliminate operator influence on the turf. Offering a 21" or 26" cutting width, these mowers are among the quietest and most efficient walk greensmowers on the market today. Harnessing the power of lithium-ion battery technology, the e1021 and e1026 take electrical efficiency to a new level, allowing operators to mow up to 44,000* sq. ft. of turf on a single charge.



*Dependant on machine configuration, turf conditions, and battery age.

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GREENSMASTER e1021, MODEL 04835*		GREENSMASTER e1026, MODEL 04845*	
POWER	Lithium-Ion battery pack – nominal 51.4-Volt 26.3 A-Hr (1.35 kW-Hr) with integrated battery management system utilizing CAN communication with the machine controller and charger. Single battery affixed to unit and charged onboard.		
ELECTRIC MOTOR	Brushless permanent magnet DC motor with separable motor controller.		
BATTERY CHARGER	Voltage and current controlled with CAN communication to manage battery health. Complies to max voltage and current limits directed by the battery management system. Off-board high efficiency 650W smart charger. • AC input voltage 100-240VAC • AC input Frequency 50/60 Hz • Max input Current 7.5 A • Max charge time, empty to full: 4 hours		
FRAME	Fully modular design allows quick disassembly for service/maintenance of all major components.		
TRANSMISSION	Permanent Magnet DC motor directly coupled to a fully gear-driven transmission with integral traction differential and traction disconnect to ease movement during service/maintenance operations. Interchangeable drum drive gear cases.		
MAINTENANCE	No grease zerks, sealed bearing design reduces daily maintenance. Onboard backlapping standard.		
GROUND SPEED	Mowing speed: 2.0-3.5 mph (3.2-5.6 km/h). Transport speed: (maximum): 5.3 mph (8.5 km/h) with optional transport tires		
TRACTION DRUM	Dual position traction drum with positions for contour following or forward weight bias at higher heights of cut.		
BRAKE	Service/parking - band type.		
CONTROLS	Start/On/Off ('ignition') switch, LCD Information Center (reports multiple parameters including hours, battery life, faults, diagnostics, backlap control, etc.) throttle, dual function traction/safety bail, reel engage lever, service/parking brake lever, optional light switch.		
HANDLE	Loop handle with telescoping adjustment of 5" (12.7 cm) total travel, rubber isolated to minimize operator influence during mowing.		
TRANSPORT TIRES/KICKSTAND	Quick detachable 3.00/3.25 x 6 pneumatic (optional). Loop style with service position lock.		
CUTTING UNIT OPTIONS	8, 11 or 14-blade cutting unit options.	8 or 11-blade cutting unit options.	
CUTTING UNIT ATTACHMENT	Detachable cutting unit allows easy removal for service / maintenance or cutting unit exchange for different applications.		
WIDTH OF CUT	21" (53.3 cm)	26" (66cm)	
HEIGHT OF CUT RANGE	For Greens: (Drum Position One) 0.062" to 0.312" (1.5 mm to 8 mm) For Tees: (Drum Position Two) 0.25" to 0.625" (6 mm to 16 mm) High Height of Cut Kit: (Drum Position Two) 1.18" (30 mm)		
CUTTING UNIT DRIVE	Quick-change dual speed gear drive combined with positive drive belt for (4) possible reel speed/clip settings.		
FRONT ROLLER	Front Roller: Optional – must be ordered.		
WEIGHT	240 lbs. (109 kg)	256 lbs. (116.1 kg)	
CERTIFICATION /WARRANTY	Designed in accordance to ANSI/CE/WEEE/ROHS/C-TICK. Four-year warranty on Lithium-Ion Battery. Refer to the Operator's Manual for further details.		

GREENSMASTER e1021 ACCESSORIES

CUTTING UNITS & REEL OPTIONS		GROOMER OPTIONS	BEDKNIFE OPTIONS	TRACTION UNIT ACCESSORIES	
04832	8-Blade DPA EdgeSeries™ Cutting Unit	04707	Universal Groomer Drive	04135	LED Light Kit
04833	11-Blade DPA EdgeSeries™ Cutting Unit	04270	Grooming Brush – Soft	04138	Cutting Unit Light Kit Mount
04834	14-Blade DPA EdgeSeries™ Cutting Unit	04271	Grooming Brush – Stiff	04136	Push Broom Kit
		04802	Twin Tip Groomer Blade Assembly	04123	Wheel Kit
				139-4342	Backlap Access Kit
				115-4754	Wireless Hour Meter
				99-4286	High Height of Cut Bracket
				04066	650W Charger
				04091	900W Charger
ROLLER OPTIONS		SCRAPER/BRUSH OPTIONS		TOOLS AND MAINTENANCE OPTIONS	
04084	Interlaced Narrow Wiehle Roller	139-4383	Interlaced Narrow Wiehle Roller Scraper/Brush	04399	Turf Evaluator
04087	Full Front Roller	139-4385	Interlaced Narrow Wiehle Roller Scraper	125-5610	Paper – Reel
04085	Extended Narrow Wiehle Roller	115-7378	Wide Wiehle Roller Scraper/Brush	140-5531	Shim – Reel
04086	Paspalum Wiehle Roller	125-3504	Wide Wiehle Roller Scraper	94-9010	Height of Cut Adjustment Bar
04088	Split Front Roller – Full	115-7379	Full Roller Scraper/Brush	131-6828	Angle Indicator
04081	Split Narrow Wiehle Roller	125-3505	Full Roller Scraper	131-6829	Mount-Angle Indicator
04083	Wide Wiehle Roller	121-2260	Rear Roller Scraper Kit (Flex CU)		

GREENSMASTER e1026 ACCESSORIES

CUTTING UNITS & REEL OPTIONS		GROOMER OPTIONS	BEDKNIFE OPTIONS	TRACTION UNIT ACCESSORIES	
04842	8-Blade DPA EdgeSeries™ Cutting Unit	04707	Universal Groomer Drive	04135	LED Light Kit
04843	11-Blade DPA EdgeSeries™ Cutting Unit	04276	Grooming Brush – Stiff	04138	Cutting Unit Light Kit Mount
		04803	Twin Tip Groomer Blade Assembly	04136	Push Broom Kit
				139-4342	Backlap Access Kit
				139-4369	Wireless Hour Meter Kit
				99-4286	High Height of Cut Bracket
				04123	Wheel Kit
				04066	650W Charger
				04091	900W Charger
ROLLER OPTIONS		SCRAPER/BRUSH OPTIONS		TOOLS AND MAINTENANCE OPTIONS	
04076	Interlaced Narrow Wiehle Roller	139-5125	Interlaced Narrow Wiehle Roller Scraper/Brush	04399	Turf Evaluator
04079	Full Front Roller	139-4394	Interlaced Narrow Wiehle Roller Scraper	125-5610	Reel Paper – (10 Pack)
04077	Long Narrow Wiehle Roller	139-7410	Wide Wiehle Roller Scraper/Brush	140-5531	Reel Shim
04078	Extended Interlaced Wide Wiehle Roller	139-7406	Wide Wiehle Roller Scraper	131-6828	Angle Indicator
115-7361	Auxiliary Roller Extension Kit	139-5117	Full Roller Scraper/Brush	131-6829	Angle Indicator Mount
		139-4398	Full Roller Scraper	94-9010	Height of Cut Bar

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TORO

Greensmaster® Flex™ 1018 & 1021

The Toro Flex Series mowers deliver the standard of pristine greens that top courses demand. Offering the choice of 18" (45.7 cm) or 21" (53.3 cm) width of cut, the Greensmaster Flex 1018 and Flex 1021 models include a patented Flex suspension. This allows the cutting unit to easily follow the contours of the green – delivering a superior quality of cut. Both models boast innovative controls and design features that synchronize the operator and the machine to help eliminate operator influences on cut consistency. The Greensmasters feature a telescoping loop handle that customizes in seconds to an individual operator's size for comfort to reduced fatigue, ensuring a consistent, immaculate cut. These units are designed for minimal maintenance for a long, productive life to save labor and operational costs.



GREENSMASTER FLEX 1018, MODEL 04850*		GREENSMASTER FLEX 1021, MODEL 04860*	
ENGINE	Honda GX120 - 3.5 hp (2.6 kW) @3600 rpm, gasoline with integral lighting coil.		
FUEL CAPACITY	2.1 qts (2L)		
FRAME	Fully modular design allows quick disassembly for service / maintenance of all major components.		
TRACTION DRIVE	Full gear drive transmission with integral traction differential and traction drive disconnect to ease movement during service/maintenance operations. Interchangeable drum drive gear cases.		
TRACTION DRUM	Tapered traction drum for improved after cut appearance.		
GROUND SPEED	Mowing Speed: 2.0 mph (3.2 km/h) to 3.5 mph (5.6 km/h) Transport Speed (maximum): 5.3 mph (8.5 km/h) with optional transport tires.		
CLUTCH	Externally-mounted two sided dry disc clutch actuated by dual motion bail.		
BRAKE	Service/parking – band type.		
CUTTING UNIT DRIVE	Quick-change dual-speed gear drive, combined with positive drive belt – 4 possible reel speeds/clip settings.		
CUTTING UNIT ATTACHMENT	Tool-free cutting unit removal for service/maintenance or cutting unit exchange for different uses.		
CUTTING UNIT OPTIONS	14-blade cutting unit	11-blade or 14-blade cutting unit	
CONTROLS	Handle mounted: on/off switch, throttle lever, dual motion traction / safety bail, reel engage lever, service/park brake lever, hour meter, whiteboard, light switch (optional).		
HANDLE	Loop handle with telescoping adjustment of 5" (12.7 cm) total travel, rubber isolated to minimize operator influence during mowing.		
TRANSPORT TIRES / KICKSTAND	Optional – Two, quick-detachable pneumatic tires (3.00X3.25-6). Kickstand is standard.		
WIDTH OF CUT	18" (45.7 cm)	21" (53.3 cm)	
HEIGHT OF CUT RANGE	For Greens: (Spacer Position One) 0.062" to 0.250" (1.5 mm to 6 mm) For Tees: (Spacer Position Two) 0.125" to 0.375" (3 mm to 9 mm) High Height of Cut Kit: 0.375 to 1.00" (9 mm to 25 mm)		
WEIGHT	280 lbs. (127 kg) with 14-blade cutting unit, aluminum Wiehle roller.	286 lbs. (130 kg) with 11-blade cutting unit, aluminum Wiehle roller.	
MAINTENANCE REQUIREMENTS	No daily greasing required.		
CERTIFICATION	Designed in accordance to applicable ANSI and CE specifications.		
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.		

GREENSMASTER FLEX 1018 ACCESSORIES

CUTTING UNITS & REEL OPTIONS	
04854	14-Blade Flex ES Cutting Unit
BEDKNIFE OPTIONS	
117-1530	EdgeMax™ Microcut Bedknife
110-2300	Extended Microcut Bedknife
110-2301	Lowcut Bedknife
117-1532	EdgeMax™ Tournament Bedknife
139-4318	EdgeMax™ Short Microcut Bedknife
139-4319	EdgeMax™ Short Tournament Bedknife
98-7260	Tournament Bedknife
98-7261	Microcut Bedknife
FRONT ROLLER OPTIONS	
04092	Narrow Wiehle Roller ASM
04096	Full Roller ASM
04093	Extended Narrow Wiehle Roller ASM
115-7361	Roller Extension Kit
REAR ROLLER OPTIONS	
140-5590	Rear Roller & Scraper Kit
121-4682	Full Roller (Steel)
120-9602	DPA Rear Roller Adjustment Kit

GROOMER OPTIONS

04648	Universal Groomer Drive
04801	Twin Tip Groomer Blade ASM
04268	Grooming Brush – Soft
04269	Grooming Brush – Stiff
FRONT ROLLER SCRAPER/BRUSH OPTIONS	
120-9615	Narrow Wiehle Roller Scraper Kit
120-9621	Narrow Wiehle Roller Scraper/Brush Kit
120-9616	Wide Wiehle Roller Scraper Kit
120-9622	Wide Wiehle Roller Scraper/Brush Kit
120-9617	Full Smooth Roller Scraper Kit
120-9623	Full Smooth Roller Scraper/Brush Kit

TRACTION UNIT ACCESSORIES

04135	LED Light Kit
04138	Cutting Unit Light Kit Mount
04136	Push Broom Kit
04123	Wheel Kit
120-9600	High Height of Cut Kit
139-4342	Backlap Access Kit
139-4369	Wireless Hour Meter

TOOLS AND MAINTENANCE OPTIONS

04399	Turf Evaluator
125-5610	Paper – Reel
140-5531	Shim – Reel
94-9010	Height of Cut Adjustment Bar
131-6828	Angle Indicator
131-6829	Mount-Angle Indicator

GREENSMASTER FLEX 1021 ACCESSORIES

CUTTING UNITS & REEL OPTIONS	
04863	11-Blade Flex ES Cutting Unit
04864	14-Blade Flex ES Cutting Unit
BEDKNIFE OPTIONS	
115-1880	EdgeMax™ Microcut Bedknife
108-4303	Extended Microcut Bedknife
108-4302	Extended Tournament Bedknife
115-1881	EdgeMax™ Tournament Bedknife
139-4320	EdgeMax™ Short Microcut Bedknife
139-4321	EdgeMax™ Short Tournament
137-6092	EdgeMax™ Bedknife Fairway Bedknife
137-6097	Fairway Bedknife
93-4262	Microcut Bedknife
93-4263	Tournament Bedknife
93-4264	Low Cut Bedknife
94-6392	High Cut Bedknife
FRONT ROLLER SCRAPER OPTIONS	
125-3503	Narrow Wiehle Roller Scraper Kit
115-7377	Narrow Wiehle Roller Scraper/Brush Kit
125-3504	Wide Wiehle Roller Scraper Kit
115-7378	Wide Wiehle Roller Scraper/Brush Kit
125-3505	Smooth Roller Scraper Kit
115-7379	Smooth Roller Scraper/Brush Kit
TRACTION UNIT ACCESSORIES	
04135	LED Light Kit
04138	Cutting Unit Light Kit Mount
04136	Push Broom Kit
04123	Wheel Kit
139-4342	Backlap Access Kit
120-9600	High Height of Cut Kit
139-4369	Wireless Hour Meter
TOOLS AND MAINTENANCE OPTIONS	
04399	Turf Evaluator
125-5610	Paper – Reel
140-5531	Shim – Reel
94-9010	Height of Cut Adjustment Bar
131-6828	Angle Indicator
131-6829	Mount-Angle Indicator
REAR ROLLER OPTIONS	
121-2260	Rear Roller & Scraper Kit
121-2260	Rear Roller Scraper Kit
140-5560	Full Roller (Steel)
120-9602	DPA Rear Roller Adjustment Kit

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TORO

Greensmaster® eFlex™ 1021

Extremely quiet and emission-free, the all-electric Toro® Greensmaster® eFlex™ 1021 is built with a patented Flex suspension allowing the cutting unit to easily follow the contours of the green - delivering a superior quality of cut. The eFlex offers a 21" (53.3 cm) cutting width and is among the quietest and most efficient walk greensmowers on the market today. Harnessing the power of lithium-ion battery technology, the eFlex 1021 takes electrical efficiency to a new level, allowing operators to mow up to 35,000 sq. ft. (over 3000 square meters) of turf on a single charge.



GREENSMASTER eFLEX 1021, MODEL 04865*	
POWER	Lithium-Ion battery pack – nominal 51.4-Volt 26.3 A-Hr (1.35 kW-Hr) with integrated battery management system utilizing CAN communication with the machine controller and charger. Single battery affixed to unit and charged onboard.
ELECTRIC MOTOR	Brushless permanent magnet DC motor with separable motor controller.
BATTERY CHARGER	Voltage and current controlled with CAN communication to manage battery health. Complies to max voltage and current limits directed by the battery management system. Off-board high efficiency 650W smart charger. •AC input voltage 100-240VAC •AC input Frequency 50/60 Hz •Max input Current 7.5 A • Max charge time, empty to full: 4 hours
FRAME	Fully modular design allows quick disassembly for service/maintenance of all major components.
TRANSMISSION	Permanent Magnet DC motor directly coupled to a fully gear-driven transmission with integral traction differential and traction disconnect to ease movement during service/maintenance operations. Interchangeable drum drive gear cases.
MAINTENANCE	No grease zerks, sealed bearing design reduces daily maintenance. Onboard backlapping standard.
GROUND SPEED	Mowing speed: 2.0-3.5 mph (3.2-5.6 km/h). Transport speed: (maximum): 5.3 mph (8.5 km/h) with optional transport tires.
TRACTION DRUM	Tapered traction drum for improved after cut appearance.
BRAKE	Service/parking – band type.
CONTROLS	Start/On/Off ('ignition') switch, LCD Information Center (reports multiple parameters including hours, battery life, faults, diagnostics, backlap control, etc.) throttle, dual function traction/safety bail, reel engage lever, service/parking brake lever, optional light switch.
HANDLE	Loop handle with telescoping adjustment of 5" (12.7 cm) total travel, rubber isolated to minimize operator influence during mowing.
TRANSPORT TIRES/KICKSTAND	Quick detachable 3.00/3.25 x 6 pneumatic (optional). Loop style with service position lock.
CUTTING UNIT OPTIONS	11 or 14-blade cutting unit options. Tool-free cutting unit removal for service/maintenance or cutting unit exchange for different applications.
CUTTING UNIT ATTACHMENT	Semi-floating cutting unit separable from drive unit, pivoting around reel centerline (pitch axis) and pivoting around bedknife centerline side to side (roll axis).
WIDTH OF CUT	21" (53.3 cm)
HEIGHT OF CUT RANGE	For Greens: (Spacer Position One) 0.062" to 0.250" (1.5 mm to 6 mm) For Tees: (Spacer Position Two) 0.125" to 0.375" (3 mm to 9 mm) High Height of Cut Kit: 0.375 to 1.00" (9 mm to 25 mm)
CUTTING UNIT DRIVE	Quick-change dual speed gear drive combined with positive drive belt for (4) possible reel speed/clip settings.
GRASS BASKET	Molded polyethylene with integrated graphics highlighting overlap guidelines, vented for high-efficiency collection.
ROLLERS	Front Roller: Optional – must be ordered. Rear Roller: Aluminum full roller 2" (5.1 cm) diameter with sealed bearings.
WEIGHT	292 lbs. (132.5 kg) with 11-blade cu and aluminum wiehle roller.
CERTIFICATION /WARRANTY	Designed in accordance to ANSI/CE/WEEE/ROHS/C-TICK. Four-year warranty on Lithium-Ion Battery. Refer to the Operator's Manual for further details.

GREENSMASTER eFLEX 1021 ACCESSORIES

CUTTING UNITS & REEL OPTIONS		FRONT ROLLER OPTIONS	GROOMER OPTIONS	TRACTION UNIT ACCESSORIES
04863	11-Blade Flex ES Cutting Unit	04027 Narrow Wiehle Roller ASM	04648 Universal Groomer Drive	04135 LED Light Kit
04864	14-Blade Flex ES Cutting Unit	04825 Wide Wiehle Roller ASM	04802 Twin Tip Groomer Blade ASM	04138 Cutting Unit Light Kit Mount
		04815 Full Roller ASM	04270 Grooming Brush – Soft	04136 Push Broom Kit
		04028 Paspalum Roller ASM	04271 Grooming Brush – Stiff	04123 Wheel Kit
		04029 Extended Narrow Wiehle Roller ASM		139-4342 Backlap Access Kit
		04249 Split Full Roller ASM		139-4349 Wireless Hour Meter
		04250 Split Narrow Wiehle Roller ASM		120-9600 High Height of Cut Kit
		107-3510 Narrow Wiehle Roller ASM – Steel		04066 650W Charger
		115-7361 Roller Extension Kit		04091 900W Charger
BEDKNIFE OPTIONS		REAR ROLLER OPTIONS	FRONT ROLLER SCRAPER OPTIONS	TOOLS AND MAINTENANCE OPTIONS
115-1880	EdgeMax™ Microcut Bedknife	115-7383 Rear Roller & Scraper Kit	125-3503 Narrow Wiehle Roller Scraper Kit	04399 Turf Evaluator
108-4303	Extended Microcut Bedknife	121-2260 Rear Roller Scraper Kit	115-7377 Narrow Wiehle Roller Scraper/Brush Kit	125-5610 Paper – Reel
108-4302	Extended Tournament Bedknife	140-5560 Full Roller (Steel)	125-3504 Wide Wiehle Roller Scraper Kit	140-5531 Shim – Reel
115-1881	EdgeMax™ Tournament Bedknife	120-9602 DPA Rear Roller Adjustment Kit	115-7378 Wide Wiehle Roller Scraper/Brush Kit	94-9010 Height of Cut Adjustment Bar
139-4320	EdgeMax™ Short Microcut Bedknife		125-3505 Full Roller Scraper Kit	131-6828 Angle Indicator
139-4321	EdgeMax™ Short Tournament Bedknife		115-7379 Full Roller Scraper/Brush Kit	131-6829 Mount-Angle Indicator
137-6092	EdgeMax™ Fairway Bedknife			
137-6097	Fairway Bedknife			
93-4262	Microcut Bedknife			
93-4263	Tournament Bedknife			
93-4264	Low Cut Bedknife			
94-6392	High Cut Bedknife			

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TransPro® 80 / 200

Safely and easily transports one or two walk greensmowers to and from the mowing area.



	TRANSPRO 80, MODEL 04235	TRANSPRO 200, MODEL 04239
LOAD CAPACITY	400 lbs. (181.6 kg) including weight of trailer	1,150 lbs. (522 kg) including weight of trailer
SUSPENSION	Large low pressure tires (20 x 10-8)	
TRANSPORT SPEED	Maximum of 15 mph (24 km/h)	
RAMP	Textured split ramp design with detented wheel retainers	Textured split ramp design with spring-loaded ramp retainers for storage during transport operation
RAIL	Textured loading rails for use in conjunction with smaller bogey (donut) wheels in place of transport tires.	
HITCH	Pin release is incorporated into lift handle.	
TOWING	Designed to tow behind a utility vehicle with tongue height 7"-13" (18-33 cm); maximum tongue load 55 lbs. (25 kg)	
RETENTION METHOD	Adjustable front roller pockets and wheel/donut retainer positively secure mower for transport	
FINISH	Rust/corrosion-resistant paint	
AXLES	Heavy-duty stub. Maintenance-free sealed bearings.	
DIMENSIONS	Height: 19" (48.3 cm) Width: 62" (157.5 cm) Length: 81" (205.7 cm)	Height: 61" (154.9 cm) Width: 68" (172.7 cm) Length: 108" (274 cm)
TRAILER WEIGHT	Ramp configuration: 147 lbs (67 kg) Rail configuration: 136 lbs (62 kg) Easily adjustable to fit all Toro walk greensmowers (optional axle kit may be required)	Ramp configuration: 389 lbs (176kg) Rail configuration: 329 lbs (149 kg) Easily adjustable to fit all 18" and 21" Toro walk greensmowers. (not recommended for Greensmaster® 1600 or 1026)

TRANSPRO 80 ACCESSORIES	TRANSPRO 200 ACCESSORIES
04245 Flat Ramp Kit	04219 Wheel Loading Kit
04247 Rail Ramp Kit	04229 Rail Loading Kit
107-8188 Hitch Kit	144-5668 Axle kit - Greensmaster Flex18/21
136-7287 Extended Axle for Rail Ramp Using 04648 Groomer for Flex18XX/21XX units	144-5664 Axle kit - Greensmaster Flex 18XX/21XX
139-6478 Extended Axle Shaft - 1018/1021/1026 fixed head units with groomer	144-5663 Axle kit - Greensmaster 800/1000 Series
139-2732 Extended Axle Shaft - 1018/1021 Flex head units with groomer	145-0058 - Bogey Wheel
145-0058 - Bogey Wheel	

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TORO

Greensmaster® 3150-Q

The Greensmaster 3150-Q is distinguished for its field-proven performance and exceptional quality of cut. Equipped with patented DPA cutting units for a superior cut and minimal maintenance, convenient controls for easy operation, and ample power to handle any application – it's no wonder this classic model has been trusted over the years to deliver the performance golf courses demand with a putting surface that exceeds expectations.



GREENSMASTER 3150-Q, MODEL 04358*	
ENGINE	18 hp (13.4 kW) @3600 rpm, Briggs & Stratton® air-cooled gasoline engine, governed to 2850 rpm high idle, 1650 rpm low idle.
FUEL CAPACITY	7 gallon (26.5 liter) capacity; unleaded gasoline.
TRACTION DRIVE	Hydraulic piston pump, closed loop system. 2WD Parallel Hydrostatic or optional 3WD Series Parallel piston pump closed loop system. Foot pedal forward and reverse; infinitely variable.
GROUND SPEED	Forward-mowing speed is variable from 2-5 mph (3.2-8 km/h), adjusted by stop on pedal mechanism. Mow speed setting does not affect transport speed. Maximum Greensmaster 3150-Q transport speed is 10 mph (16.1 km/h), may be reduced by adjusting stop in footrest pan without affecting mow speeds.
TURF COMPACTION	8-12 psi (.55-.83 bar) (dependent on tire pressure) with operator and cutting units down.
IMPLEMENT DRIVE	Single gear pump, mono valve block, series reel drive to 3 motors.
STEERING	Power steering. Adjustable steering wheel tilt and a 5-position steering arm tilt.
CONTROLS/GAUGES	Raise/lower-mow lever (joystick). Functional control lever (neutral, mow, transport). Foot operated traction drive and brakes. Hour meter. Hand operated throttle and choke. Mechanical engine speed control.
ELECTRICAL FEATURES	12-volt lead acid, group size U1, with 300 minimum cold cranking amps at 0° F. 16 amp alternator. Ignition switch/key. Seat switch. Harness terminals and fuse slot available for optional lights installation.
TIRES/WHEELS/PRESSURE	Three 18 x 10.5-8, 4-ply pneumatic tubeless demountable and interchangeable with smooth tread. 8-12 psi front; 8-15 psi rear. Optional Traction Tire (4-ply): P/N 119-3516.
BRAKES	Foot activated with two 6" (15.2 cm) drum type brakes mounted on the front wheel motors.
HYDRAULIC OIL	7.5 gallon (28.4 liter) tank with internal baffle. 1.0 gallon (3.8 liter) auxiliary tank.
LEAK DETECTION	Equipped with Turf Guardian™ leak detection system.
SOUND LEVEL	82 dB(A) at operator's ear under normal conditions.
OVERALL DIMENSIONS	Wheel Tread: 49.5" (125.7 cm), Wheel Base: 47" (119 cm), Length: 90" (229 cm), Width: 69.7" (177 cm) w/reels, Height: 74.5" (189 cm), Weight: 1,087 lbs. (493 kg).
WIDTH OF CUT	59" (150 cm)
REEL SPEED	Approximately 1975 RPM at 2850 engine RPM. Adjustable.
BACKLAPPING	Standard equipment.
CUTTING UNIT SUSPENSION	Cutting units are completely free-floating, each attaching to the tractor by direct pull links and lifted by a centered lift arm. Baskets are supported by carrier frames that are ground following. Cutting unit floatation is unaffected by basket content. Grass baskets are all interchangeable and accessible from the front of the machine.
ROPS	Roll Over Protection System standard.
CERTIFICATION	Certified to meet ANSI specification B71.4-2012 and European CE standards with appropriate kits installed.
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.

	8 BLADE DPA CUTTING UNITS	11-BLADE DPA CUTTING UNITS	14-BLADE CUTTING UNITS
DESIGN	Patented design allowing reel/bedknife behind centerline aggressiveness to maintain constant through the service life of the reel.		
HEIGHT OF CUT (HOC) RANGE	Cutting height is adjusted on front roller by two vertical screws and held by two locking cap screws. Bench HOC range is .062"-.297" (1.6-7.5 mm). With high HOC kit, range is .297-1.0" (7.5-25.4 mm). Effective HOC may vary depending on turf conditions and bedknife installed.		
REEL WELDMENT	Reels are 5" (13 cm) in diameter, 21" (53.3 cm) in length. EdgeSeries™ Reels blades are welded to 5 stamped steel spiders, and heat treated. The reel is ground for diameter and concentricity, and relief ground.		
REEL BEARINGS	Two stainless steel ball bearings, 30 +/- .1 mm inside diameter slip fit onto reel shaft retained by internally splined threaded insert. Low drag seals/slingers for added protection with o-ring sealed motor and counterweight. Reel position maintained by a wave washer with no adjusting nut.		
MAINTENANCE	No grease zerks, sealed bearing design eliminates daily maintenance.		
REEL DRIVE	The reel weldment shaft is a 1.375" (35 mm) diameter tube with internally splined threaded insert.		
FRAME	Precision machined, die-cast aluminum cross member with two bolt-on die-cast aluminum side plates.		
BEDKNIFE	Replaceable single edged EdgeMax™ Microcut Bedknife is standard.		
BEDKNIFE ADJUSTMENT	Dual screw, indexed "click" adjustment to the reel; detents corresponding to .0007" (.018 mm) bedknife movement for each position.		
FRONT & REAR ROLLERS	Front: Not included with cutting unit, purchased separately. Option between full, narrow-spaced and wide-spaced Wiehle roller. Rear: Steel full, 2" (5.1 cm) diameter with sealed bearings and through-shaft.		
GRASS SHIELD	Non-adjustable shield with adjustable cut-off bar to improve grass discharge from reel in wet conditions.		
TOTAL WEIGHT	8-blade: 72 lbs. (32.7 kg) with aluminum Wiehle Roller. 11-blade: 75 lbs. (34 kg) with aluminum Narrow Wiehle Roller. 14-blade: 78 lbs. (35 kg) with aluminum Wiehle Roller.		

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GREENSMASTER 3150-Q ACCESSORIES*

TRACTION UNIT ACCESSORIES	
04476	3-Wheel Drive Kit
04479	Thatching Reel (Set of 1)
119-3516	Traction Tire – 18" (45.7 cm)
04555	Universal Light Kit
139-8580	Front light mounting kit
131-2048	Rear work light kit
130-6536	Hydraulic Oil Cooler Kit
104-6540	Spark Arrestor Screen
161-4704	Rigid Sunshade
138-8579	Bimini Folding Shade
100-6442	2WD Weight Kit
99-1645	3WD Weight Kit
137-8130	Utility Bag Kit
133-1308	Seat cover
121-3658	RH Armrest
115-4754	Wireless Hour Meter

CUTTING UNIT OPTIONS	
04652	EdgeSeries™ 8-Blade Cutting Unit
04654	EdgeSeries™ 11-Blade Cutting Unit
04656	EdgeSeries™ 14-Blade Cutting Unit

GROOMER OPTIONS	
04648	Universal Groomer Drive
04802	Groomer Reel
04270	Grooming Brush – Soft
04271	Grooming Brush – Stiff
106-2643	Groomer Pull Link Kit (Pre-2018 Models)
138-4976	Groomer Pull Link Kit (Post-2018 Models)

FRONT ROLLER SCRAPER OPTIONS	
125-3503	Narrow Wieghe Roller Scraper
125-3504	Wide Wieghe Roller Scraper
125-3505	Full Roller Scraper
115-7377	Narrow Wieghe Roller Scraper Brush
115-7378	Wide Wieghe Roller Scraper Brush
115-7379	Full Roller Scraper Brush
115-7380	Narrow Wieghe Roller Scraper Comb
115-7381	Wide Wieghe Roller Scraper Comb
115-7382	Full Roller Scraper Comb
107-9561	Anti-Bobbing Roller Scraper Kit (front and rear)

REAR ROLLER SCRAPER OPTIONS	
115-7383	Rear Roller & Scraper Kit
121-2260	Rear Roller Scraper Kit
04646	Spring Loaded Rear Roller Scraper (Set of 3)
04650	Rear Roller Brush Kit (Univ Groomer)
132-0723	RRB Adapter kit (04650 for RRB only)

BEDKNIFE & BEDBAR OPTIONS	
93-4262	Microcut Bedknife
93-4263	Tournament Bedknife
93-4264	Low Cut Bedknife
94-6392	High Cut Bedknife
137-6097	Fairway Bedknife
108-4303	Extended Microcut Bedknife
108-4302	Extended Tournament Bedknife
115-1880	EdgeMax™ Microcut Bedknife (Standard)
115-1881	EdgeMax™ Tournament Bedknife
137-6092	EdgeMax™ Fairway Bedknife
139-4320	EdgeMax™ Short Microcut Bedknife
139-4321	EdgeMax™ Short Tournament Bedknife
106-2648-01	Bedbar (Standard)
99-3794-0P	Aggressive Bedbar

THATCHING REEL ACCESSORIES	
117-6824	Thin dynaBlade, (1.2mm Thickness) (Individual)
119-1128	Regular dynaBlade, (2mm Thickness) (Individual)
117-6839	Replacement Kit, 1.2mm dynaBlade (36 Blades)
117-6840	Replacement Kit, 2mm dynaBlade (36 Blades)
121-6675	Spring Steel Kit
121-6674	Blade, Spring Steel

BIO-HYDRAULIC FLUID / HYDRAULIC FLUID / OIL	
119-2157	Bio-Hydraulic Fluid, 5 gal. (18.9 L)
119-2158	Bio-Hydraulic Fluid, 55 gal. (208.2 L)
133-8086	Premium Hydraulic Fluid, 5 gal. (18.9 L)
133-8087	Premium Hydraulic Fluid, 55 gal. (208.2 L)
121-6393	Premium Engine Oil SAE 30, 5 gal. (18.9 L)
121-6392	Premium Engine Oil SAE 30, 55 gal. (208.2 L)

TOOLS	
04399	Turf Evaluator
125-5610	Paper – Reel
140-5531	Shim – Reel
94-9010	Height of Cut Bar Assembly

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TORO

Greensmaster® 3250-D

Unmatched diesel power, innovative design and a lighter footprint make this the ideal greensmower for greens and surrounding areas.



Greensmaster® 3250-D Specifications

GREENSMASTER 3250-D, MODEL 04384*			
ENGINE	Kubota® D902 tier 4i, 3-cylinder liquid-cooled diesel engine. 55.0 cu. in. (902 cc). Full pressure lubrication, oil filter. 24.8 hp (18.5 kW) @ 3600 rpm. Engine governed to 2760 rpm high idle, 1500 rpm low idle (no load).		
FUEL CAPACITY	6 gallons (22.7 liters). Biodiesel-Ready for use up to B-20 (20% biodiesel and 80% petroleum blend).		
TRACTION DRIVE	Hydraulic piston pump, closed loop system. 2WD Parallel Hydrostatic or optional 3WD Series Parallel piston pump closed loop system. Foot pedal forward and reverse; infinitely variable.		
GROUND SPEED	Forward-mowing speed is variable from 2-5 mph (3.2-8 km/h), adjusted by stop on pedal mechanism. Mow speed setting does not affect transport speed. Maximum Greensmaster 3250-D transport speed is 10 mph (16.1 km/h), may be reduced by adjusting stop in footrest pan without affecting mow speeds.		
TURF COMPACTION	8-12 psi (.55-.83 bar) average at recommended minimum tire pressures, with a 200 lb. operator, and cutting units down.		
STEERING	Power steering. No-tool quick adjust steering arm position, with arm motion allowing a wide range of operator sizes. Steering cylinder has through shaft design for precise straight line tracking.		
CONTROLS/GAUGES	Raise/lower-mow lever. Functional control lever (neutral, mow, transport). Foot operated traction drive and brakes. Hour meter and warning light cluster. Hand operated choke, throttle. Mechanical engine speed control.		
ELECTRICAL FEATURES	Maintenance-free 12-volt battery with 530 minimum cold cranking amps at 0° F. 40 amp alternator, circuit fused at 40 amps. Ignition switch/key. Seat switch. High temperature engine kill override switch. Harness terminals, fuse slot, and console switch location available for optional lights installation.		
SOUND LEVEL	84 dBA at operator ear under normal conditions.		
OVERALL DIMENSIONS	Width of Cut: 59.0" (150 cm) Wheel Tread: 50.5" (128 cm) Wheel Base: 48.6" (123 cm) Overall Length (w/baskets): 93.9" (238 cm) Overall Width: 68.0" (173 cm)	Overall Height: Net Weight (no fuel, no operator): 1,216 lbs. (552 kg) Reel Speed: Approx. 1,950 rpm @ 2760 rpm (Adjustable)	77.5" (197 cm)
TIRES	Three 19 x 10.5-8, 2 ply pneumatic tubeless demountable and interchangeable. Smooth tread (approx. 1290 rev/mile). 8-12 psi front; 8-15 psi rear.		
LEAK DETECTION	Turf Guardian™ optional.		
BACKLAPPING	Standard equipment.		
BRAKES	Foot activated 6" (15.2 cm) drum type mechanical with rack and pawl lock for parking brake engagement.		
SEAT	Contour seat with high backrest. 7" (17.8 cm) fore/aft slider adjustment with two mounting positions, allowing 9" (22.8 cm) total seat travel. Operator manual tube mounted on the seat back for easy access.		
ROPS	Roll over protection system standard.		
CERTIFICATION	Certified to meet ANSI specification B71.4-2012 and European CE standards with appropriate kits installed.		
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.		

8 BLADE DPA CUTTING UNITS 11-BLADE DPA CUTTING UNITS 14-BLADE CUTTING UNITS		
DESIGN	Patented design allowing reel/bedknife behind centerline aggressiveness to maintain constant through the service life of the reel.	
HEIGHT OF CUT (HOC) RANGE	Cutting height is adjusted on front roller by two vertical screws and held by two locking cap screws. Bench HOC range is .062"-.297" (1.6-7.5 mm). With high HOC kit, range is .297-1.0" (7.5-25.4 mm). Effective HOC may vary depending on turf conditions and bedknife installed.	
REEL WELDMENT	Reels are 5" (13 cm) in diameter, 21" (53.3 cm) in length. EdgeSeries™ Reels blades are welded to 5 stamped steel spiders, and heat treated. The reel is ground for diameter and concentricity, and backgrind.	
REEL BEARINGS	Two stainless steel ball bearings, 30 mm inside diameter slip fit onto reel shaft retained by internally splined threaded insert. Low drag seals/slingers for added protection with o-ring sealed motor and counterweight. Reel position maintained by a wave washer with no adjusting nut.	
MAINTENANCE	No grease zerks, sealed bearing design eliminates daily maintenance.	
REEL DRIVE	The reel weldment shaft is a 1.375" (35 mm) diameter tube with internally splined threaded insert.	
FRAME	Precision machined, die-cast aluminum cross member with two bolt-on die-cast aluminum side plates.	
BEDKNIFE	Replaceable single edged EdgeMax™ Microcut Bedknife is standard.	
BEDKNIFE ADJUSTMENT	Dual screw, indexed "click" adjustment to the reel; detents corresponding positively to .0007" (.018 mm) bedknife movement for each position.	
FRONT & REAR ROLLERS	Front: Not included with cutting unit, purchased separately. Option between full, narrow-spaced and wide-spaced roller. Rear: Steel full, 2" (5.1 cm) diameter with sealed bearings and through-shaft.	
GRASS SHIELD	Non-adjustable shield with adjustable cut-off bar to improve grass discharge from reel in wet conditions.	
TOTAL WEIGHT	8-blade: 72 lbs. (32.7 kg) with aluminum Wiehle Roller. 11-blade: 75 lbs. (34 kg) with aluminum Narrow Wiehle Roller. 14-blade: 78 lbs. (35 kg) with aluminum Wiehle Roller.	

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GREENSMASTER 3250-D ACCESSORIES*

TRACTION UNIT ACCESSORIES	
04477	3-Wheel Drive Kit
04479	Thatching Reel (Set of 1)
104-7701	Hydraulic Oil Cooler Kit
04555	Universal Light Kit
139-8580	Front light mounting kit
131-2048	Rear work light kit
120-1951	Spark Arrestor
04497	Leak Detector
112-0279	Front Wheel Weight Kit
100-6442	2WD Weight Kit
99-1645	3WD Weight Kit
100-6430	Hose Adapter Kit
105-9766	Radiator Screen Kit
104-9400	Ground Follow Kit
161-4704	Rigid Sunshade
138-8579	Bimini Folding Shade
137-8130	Utility Bag Kit
133-1308	Seat cover
121-2058	Armrest Kit
115-4754	Wireless Hour Meter

CUTTING UNIT OPTIONS	
04652	EdgeSeries™ 8-Blade Cutting Unit
04654	EdgeSeries™ 11-Blade Cutting Unit
04656	EdgeSeries™ 14-Blade Cutting Unit

GROOMER OPTIONS	
04648	Universal Groomer Drive
04802	Groomer Reel
04270	Grooming Brush – Soft
04271	Grooming Brush – Stiff
106-2643	Groomer Pull Link Kit (Pre-2018 Models)
138-4976	Groomer Pull Link Kit (Post-2018 Models)

FRONT ROLLER SCRAPER OPTIONS	
125-3503	Narrow Wiehle Roller Scraper
125-3504	Wide Wiehle Roller Scraper
125-3505	Full Roller Scraper
115-7377	Narrow Wiehle Roller Scraper Brush
115-7378	Wide Wiehle Roller Scraper Brush
115-7379	Full Roller Scraper Brush
115-7380	Narrow Wiehle Roller Scraper Comb
115-7381	Wide Wiehle Roller Scraper Comb
115-7382	Full Roller Scraper Comb
107-9561	Anti-Bobbing Roller Scraper Kit (front and rear)

BEDKNIFE & BEDBAR OPTIONS	
93-4262	Microcut Bedknife
93-4263	Tournament Bedknife
93-4264	Low Cut Bedknife
94-6392	High Cut Bedknife
137-6097	Fairway Bedknife
108-4303	Extended Microcut Bedknife
108-4302	Extended Tournament Bedknife
115-1880	EdgeMax™ Microcut Bedknife (Standard)
115-1881	EdgeMax™ Tournament Bedknife
137-6092	EdgeMax™ Fairway Bedknife
139-4320	EdgeMax™ Short Microcut Bedknife
139-4321	EdgeMax™ Short Tournament Bedknife
106-2648-01	Bedbar (Standard)
99-3794-0P	Aggressive Bedbar

THATCHING REEL ACCESSORIES	
117-6824	Thin dynaBlade, (1.2mm Thickness) (Individual)
119-1128	Regular dynaBlade, (2mm Thickness) (Individual)
117-6839	Replacement Kit, 1.2mm dynaBlade (36 Blades)
117-6840	Replacement Kit, 2mm dynaBlade (36 Blades)
121-6675	Spring Steel Kit
121-6674	Blade, Spring Steel

REAR ROLLER SCRAPER OPTIONS	
115-7383	Rear Roller & Scraper Kit
121-2260	Rear Roller Scraper Kit
04646	Spring Loaded Rear Roller Scraper (Set of 3)
04650	Rear Roller Brush Kit (Univ Groomer)
132-0723	RRB Adapter kit (04650 for RRB only)

BIO-HYDRAULIC FLUID / HYDRAULIC FLUID / OIL	
119-2157	Bio-Hydraulic Fluid, 5 gal. (18.9 L)
119-2158	Bio-Hydraulic Fluid, 55 gal. (208.2 L)
133-8086	Premium Hydraulic Fluid, 5 gal. (18.9 L)
133-8087	Premium Hydraulic Fluid, 55 gal. (208.2 L)
121-6393	Premium Engine Oil SAE 30, 5 gal. (18.9 L)
121-6392	Premium Engine Oil SAE 30, 55 gal. (208.2 L)

TOOLS	
04399	Turf Evaluator
125-5610	Paper – Reel
140-5531	Shim – Reel
94-9010	Height of Cut Bar Assembly

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TORO

Greensmaster® TriFlex®

3300/3320 Hybrid 3400/3420 Hybrid

The Greensmaster TriFlex and TriFlex Hybrid models are the first riding greens mowers delivering the productivity of a rider and the precision of a walker.



Greensmaster® TriFlex®

3300/3320/3400/3420 Specifications

	GREENSMASTER 3300 TriFlex, MODEL 04510*	GREENSMASTER 3320 TriFlex Hybrid, MODEL 04530*	GREENSMASTER 3400 TriFlex, MODEL 04520*	GREENSMASTER 3420 TriFlex Hybrid, MODEL 04540*
ENGINE	Briggs & Stratton® Vanguard®, 23 HP (17.2 kW) @ 3600 rpm, 2-cylinder, air cooled, gasoline engine, governed to 2920 high idle, 1650 rpm low idle. Displacement: 38.3 cu-in. (627 cc)	Kubota® D902, Tier 4i, 24.8 HP (18.5 kW) @ 3600 rpm, 3-cylinder, liquid cooled, diesel engine, governed to 2880 high idle, 1560 rpm low idle. Displacement: 55.0 cu-in. (902 cc) Radiator: cooled with a 12-volt electric fan		
FUEL CAPACITY	4.75 gallons (17.9 liters) capacity.	5.4 gallons (20.4 liters) capacity. Biodiesel ready up to B20		
TRACTION DRIVE	2WD parallel hydrostatic or optional 3WD series-parallel piston pump closed loop system. Foot pedal forward and reverse; infinitely variable.			
GROUND SPEED	Forward-mowing speed is variable from 0-5 mph (0-8 km/h), adjusted by stop on pedal mechanism. Mow speed setting does not affect transport speed. Maximum Greensmaster TriFlex transport speed is 10 mph (16.1 km/h), may be reduced by adjusting stop in footrest pan without affecting mow speeds.			
CUTTING UNIT DRIVE	Single gear pump, valve block, series reel drive to 3 reel motors.	48V-5400 watt air-cooled brushless permanent magnet generator in parallel with 48V 9Ah battery set powers three 48V- 1100 watt brushless permanent magnet reel motors with separable controller.	Single gear pump, valve block, series reel drive to 3 reel motors.	48V-5400 watt air-cooled brushless permanent magnet generator in parallel with 48V 9Ah battery set powers three 48V- 1100 watt brushless permanent magnet reel motors with separable controller
AUTOMATIC CLIP CONTROL	N/A	Yes	N/A	Yes
STEERING	Power steering. No-tool quick adjust steering arm position with power assist, allowing a wide range of operator sizes. Steering cylinder has a through shaft design for precise straight line tracking.			
ELECTRICAL SYSTEM	12-volt lead acid, group size U1, with 300 minimum cold cranking amps at 0° F and 34 minutes reserve capacity at 85° F/25 amps draw. 50 amp alternator. Ignition switch/key. Seat switch. Harness terminals and fuse slot available for optional lights installation.	Maintenance-free 12-volt battery with 585 minimum cold cranking amps at 0° F (-17.7° C) and 95 minutes minimum reserve capacity at 85° F (29.4° C) 60 amp alternator, circuit fused at 60 amps. Ignition switch/key. Seat switch. High temperature engine shut down. Harness terminals, fuse slot, and console switch location available for optional lights installation.		
48-VOLT SYSTEM FOR ELECTRIC REELS	N/A	4-12V 9Ah sealed, maintenance-free, VRLA batteries. 48-volt system is isolated from 12-volt including the frame/chassis.	N/A	4-12V 9Ah sealed, maintenance-free, VRLA batteries. 48-volt system is isolated from 12-volt including the frame/chassis.
CONTROLS	Ignition: Off/Run/Start. Throttle: Low - High Idle. Choke (AC only): Open /Closes choke plate. Parking Brake: Off - On. Traction Pedal: Rev/Neutral/Forward Joystick: Raises/lowers reels also tap off feature for clean up pass. Functional Control Lever sets neutral/mow/transport limits for traction pedal. Diagnostic Light: Indicates system faults to assist in resolving issues (04510 & 04520). InfoCenter™ Diagnostics (04530 & 04540).			
GAUGES	Hour meter. Low oil pressure warning light.	InfoCenter™: Onboard LCD shows gauges, alerts/faults, service reminders, electrical system diagnostics, low oil pressure, alternator, engine hours, engine rpm, voltage, functional control status, parking brake applied, reel speed setting, backlap control. Clip control setting.	Hour meter, low oil pressure warning light, alternator warning light (on if not charging), glow plug indicator, high engine temperature.	InfoCenter™: Onboard LCD shows gauges, alerts/faults, service reminders, electrical system diagnostics, low oil pressure, alternator, engine hours, engine rpm, voltage, functional control status, parking brake applied, reel speed setting, backlap control. Clip control setting.
TIRES/WHEELS/PRESSURE	Three, 19 x 10.5 x 8, 4-ply rating pneumatic tubeless and demountable. Smooth tread. Tire pressure recommended: 12 - 18 psi front and rear.			
BRAKES	Hand-actuated parking brake lever with two 6" (15.2 cm) diameter drum brakes mounted on the front wheel motors.			
HYDRAULIC OIL	6.8 gallon (25.7 liter) tank	5.5 gallon (20.8 liter) tank	6.8 gallon (25.7 liter) tank	5.5 gallon (20.8 liter) tank
LEAK DETECTION	Equipped with Turf Guardian™ Leak Detection System. System sounds an alarm and turns on a warning light with the loss of 3 to 5 ounces of hydraulic oil.	Optional		
SOUND LEVEL	80 dB(A) at operator's ear under normal conditions.		84 dB(A) at operator's ear under normal conditions.	
OVERALL DIMENSIONS	Wheel Track: 50.5" (128.3 cm) Wheel Base: 47" (119 cm) Length: 98" (249 cm) Width: 70.62" (179 cm) w/reels Height: 80.83" (205 cm)	Wheel Track: 50.5" (128.3 cm) Wheel Base: 47" (119 cm) Length: 98" (249 cm) Width: 70.84" (180 cm) w/reels Height: 80.83" (205 cm)	Wheel Track: 50.5" (128.3 cm) Wheel Base: 48.6" (123 cm) Length: 98" (249 cm) Width: 70.62" (179 cm) w/reels Height: 80.83" (205 cm)	Wheel Track: 50.5" (128.3 cm) Wheel Base: 48.6" (123 cm) Length: 98" (249 cm) Width: 70.84" (180 cm) w/reels Height: 80.83" (205 cm)
WEIGHT	1161 lbs. (526 kg)	1257 lbs. (570 kg)	1286 lbs. (586 kg)	1406 lbs. (638 kg)
WIDTH OF CUT	59" (150 cm)			
GROUND CLEARANCE	4.5" (11.4 cm)			
CUTTING UNIT SUSPENSION	Double A-arm suspension utilizing sealed ball joints allows free cutting unit motion in pitch, roll, and yaw. The basket is directly mounted to the cutting unit displacing weight evenly over both cutting unit rollers eliminating the carrier frame, roller and pull links. Lift in Turn: Provides a level cut from side to side of cutting units regardless of turning angle (patented).			
QUICK CONNECT CUTTING UNITS	Quick connect/disconnect feature for both the reel drive motor and cutting unit. No tools required.			
REEL SPEED	Approximately 2050 RPM at 2850 engine RPM. Adjustable.			
BACKLAPPING	Standard equipment.			
OPTIONAL ACCESSORIES	Canopy, verticutters, 3WD, turf groomers, lights, greens rollers, dethatchers, oil cooler.			
CERTIFICATION	Certified to meet ANSI specification B71.4 - 2004 and European CE standards.			
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.			

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Greensmaster® TriFlex®

3300/3320/3400/3420 Accessories*

	8-BLADE DPA CUTTING UNITS	11-BLADE DPA CUTTING UNITS	14-BLADE CUTTING UNITS
DPA CUTTING UNITS	Patented design allowing reel/bedknife behind centerline aggressiveness to maintain constant through the service life of the reel.		
HEIGHT OF CUT (HOC) RANGE	Cutting height is adjusted on front roller by two vertical screws and held by two locking cap screws. Bench HOC range is .062"-.297" (1.6-7.5 mm). With high HOC kit, range is ..297-1.0" (7.5-25.4 mm). Effective HOC may vary depending on turf conditions and bedknife installed.		
REEL WELDMENT	Reels are 5" (13 cm) in diameter, 21" (53.3 cm) in length. EdgeSeries™ Reels blades are welded to 5 stamped steel spiders, and heat treated. The reel is ground for diameter and concentricity, and relief grind.		
REEL BEARINGS	Two stainless steel ball bearings, 30 mm inside diameter slip fit onto reel shaft retained by internally splined threaded insert. Low drag seals/slingers for added protection with o-ring sealed motor and counterweight. Reel position maintained by a wave washer with no adjusting nut.		
MAINTENANCE	No grease zerks, sealed bearing design eliminates daily maintenance.		
REEL DRIVE	The reel weldment shaft is a 1.375" (35 mm) diameter tube with internally splined threaded insert.		
FRAME	Precision machined, die-cast aluminum cross member with two bolt-on die-cast aluminum side plates.		
BEDKNIFE	Replaceable single edged, EdgeMax™ Microcut Bedknife is standard on all cutting units.		
BEDKNIFE ADJUSTMENT	Dual screw, indexed "click" adjustment to the reel; detents correspond to .0007" (.018 mm) bedknife movement for each position.		
FRONT & REAR ROLLERS	Front: Not included with cutting unit, purchased separately. Option between full, narrow-spaced and wide-spaced Wiehle roller. Rear: Steel full, 2" (5.1 cm) diameter with sealed bearings and through-shaft.		
GRASS SHIELD	Non-adjustable shield with adjustable cut-off bar to improve grass discharge from reel in wet conditions.		
TOTAL WEIGHT	8-blade: 80 lbs. (30.4 kg) with aluminum Wiehle Roller. 11-blade: 83 lbs. (37.7 kg) with aluminum Wiehle Roller. 14-blade: 86 lbs. (39 kg) with aluminum Wiehle Roller.		

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Greensmaster® TriFlex®

3300/3320/3400/3420 Accessories

GREENSMASTER TRIFLEX ACCESSORIES*

TRIFLEX TRACTION UNIT ACCESSORIES	
04716	Off-Greens Kit (Anti Bobbing)
04657	EdgeSeries 8 Blade HHOC Cutting Unit
04714	3WD Kit
04730	Leak Detector
04555	Universal Light Kit
137-7947	Front light mounting kit
131-2048	Rear Light Kit
04508	Seat Kit, Standard
04729	Seat Kit, Premium
121-3660	LH Armrest
119-7105	Armrest Kit - Premium
119-1691	Hydraulic Oil Cooler Kit (Gas)
117-9314	Hydraulic Oil Cooler Kit (Diesel)
119-7129	2WD Weight Kit (Gas) (ANSI compliant)
121-6665	2WD Weight Kit (Diesel) (ANSI compliant)
120-5750	3WD Weight Kit (Gas) (ANSI compliant)
104-6540	Spark Arrestor Kit (Gas)
120-1951	Spark Arrestor Kit (Diesel)
161-4704	Rigid Sunshade
138-8579	Canopy
137-8130	Utility Bag Kit
133-1308	Seat cover
115-4754	Wireless Hour Meter

OPTIONAL TRIFLEX ACCESSORIES	
04720	Thatching Reel - TriFlex (set of 1)
119-1128	Individual dynaBLADE, 2mm thickness
117-6824	Individual dynaBLADE, 1.2mm thickness
117-6839	Replacement dynaBLADE kit, 1.2mm thickness (36 blades)
117-6840	Replacement dynaBLADE kit, 2mm thickness (36 blades)
121-6674	Individual Spring Steel Blade
121-6675	Replacement Spring Steel Blade Kit (36 pcs)
04722	Greens Tri-Roller - TriFlex (set of 1)
04723	Greens Spiker - TriFlex (set of 1)

TRIFLEX DPA CUTTING UNITS	
04651	EdgeSeries™ 8-Blade Cutting Unit
04657	EdgeSeries™ 8 Blade HHOC Cutting Unit
04653	EdgeSeries™ 11-Blade Cutting Unit
04658	EdgeSeries™ 11-Blade HHOC Cutting Unit
04655	EdgeSeries™ 14-Blade Cutting Unit

GROOMER OPTIONS	
04648	Universal Groomer Drive
04802	Groomer Reel - Twin Tipped
04270	Grooming Brush, Soft
04271	Grooming Brush, Stiff
04650	Rear Roller Brush Kit (Univ Groomer)

ROLLER OPTIONS	
04257	Full Roller DPA
04255	Narrow Wieghele Roller DPA
04256	Wide Wieghele Roller DPA
04249	Full Split Roller
04250	Wieghele Split Roller
04628	Solid Steel Roller Kit (Front Wide Wieghele, Rear Full)
71-1550	2" Rear Wieghele Roller (cast iron)
125-5180	Rear Roller Extension Kit
120-9600	High Height of Cut Kit (.35 - .94)
04258	Extended Wieghele Roller
04267	Paspalum Wieghele Roller

FRONT ROLLER SCRAPER OPTIONS	
125-3503	Narrow Wieghele Roller Scraper
125-3504	Wide Wieghele Roller Scraper
125-3505	Full Roller Scraper
115-7377	Narrow Wieghele Roller Scraper Brush
115-7378	Wide Wieghele Roller Scraper Brush
115-7379	Full Roller Scraper Brush
115-7380	Narrow Wieghele Roller Scraper Comb
115-7381	Wide Wieghele Roller Scraper Comb
115-7382	Full Roller Scraper Comb
107-9561	Anti Bobbing Roller - Scraper Kit (Front and Rear)

REAR ROLLER SCRAPER OPTIONS	
132-0723	RRB Adapter Kit (04650 for RRB only)
04646	Roller Scraper (Spring Loaded)
121-2260	Roller Scraper - Adjustable

BEDKNIFE & BEDBAR OPTIONS	
115-1880	EdgeMax™ Microcut Bedknife
115-1881	EdgeMax™ Tournament Bedknife
93-4262	Microcut Bedknife
93-4263	Tournament Bedknife
93-4264	Low Cut Bedknife
94-6392	Bedknife - High Cut
108-4303	Extended Microcut Bedknife
108-4302	Extended Tournament Bedknife
137-6097	Bedknife - Fairway
99-3794-OP	DPA Bedbar, Aggressive (optional)
106-2648-01	DPA Bedbar, Less Aggressive (standard)
137-6092	EdgeMax™ Fairway Bedknife
139-4320	EdgeMax™ Short Microcut Bedknife
139-4321	EdgeMax™ Short Tournament Bedknife

TRIFLEX SERVICE KITS	
44969	1000 hour filter Maintenance Kit - Greensmaster TriFlex 3300 / 3320
44970	400 hour filter Maintenance Kit - Greensmaster TriFlex 3400 / 3420

BIO-HYDRAULIC FLUID / HYDRAULIC FLUID / OIL	
119-2157	Bio-Hydraulic Fluid, 5 gal. (18.9 L)
119-2158	Bio-Hydraulic Fluid, 55 gal. (208.2 L)
133-8086	Premium Hydraulic Fluid, 5 gal. (18.9 L)
133-8087	Premium Hydraulic Fluid, 55 gal. (208.2 L)
121-6393	Premium Engine Oil SAE 30, 5 gal. (18.9 L)
121-6392	Premium Engine Oil SAE 30, 55 gal. (208.2 L)

TOOLS	
04399	Turf Evaluator
125-5610	Paper - Reel
140-5531	Shim - Reel
94-9010	Height of Cut Bar Assembly

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TORO

Greensmaster® eTriFlex™ 3360/3370

A new all-electric rider, charged with greens perfection. The new Greensmaster eTriFlex models carry no hydraulic fluid and utilize all-electric components for traction, steering, lift and cutting. These EnergySmart® models are operationally-friendly with noticeable noise reductions, operational cost savings, and other meaningful improvements to complement the ever-important enhancements in cutting performance.



POWER SOURCE	GREENSMASTER eTRIFLEX 3360, MODEL 04580 (ENGINE/GENERATOR)* Engine: Kawasaki 14.5 HP (10.8 kW) @3600 rpm, gasoline, air-cooled, twin-cylinder, governed to 2400 rpm, displacement 36.8 cu-inch (603cc). Choke standard. Generator: 48V 5400W air cooled brushless permanent magnet motor in parallel with four 12V 33AH AGM batteries (connected in series). Generator is used to start engine	GREENSMASTER eTRIFLEX 3370, MODEL 04591 (LITHIUM-ION BATTERY)* High-capacity Lithium-Ion batteries with integrated Battery Management System (BMS)
ENERGY CAPACITY	4.9 gallons (18.5 liter) gasoline	10.8 kWh; 48V nominal
ELECTRICAL SYSTEMS	48V System for traction motor circuit, steering motor circuit, cutting unit motor circuit and lift / lower actuator circuit. 12V system for primary controls and brake actuator.	
BATTERY CHARGER	Off-board high efficiency 1200W smart charger. •AC input voltage 100-240VAC •AC input Frequency 50/60 Hz •Max input Current 14 A •Max charge time, empty to full: 9 hours	
DIAGNOSTICS	Advanced machine diagnostics available through the InfoCenter™	
POWER STEERING	48V electric steering motor with torque feedback device	
TRACTION DRIVE	Positive 2WD traction drive: Two, brushless permanent magnet traction motors coupled to a gearbox. Optional 3WD. (patent-pending).	
RDS™ SYSTEM	Radius Dependent Speeds – Clip Rate: Maintains consistent cutting unit clip rate in turns on each individual reel (patent-pending). Wheel Speed Control: Individual wheel speed control during turns (patent-pending).	
GROUND SPEED	Mowing 0-5 mph (0-8 km/h); Transport 0-10 mph (0-16 km/h); Reverse 0-5 mph (0-8 km/h). Selective slow down feature for turning in mowing mode. Automatic slow down at high transport speeds when turning.	
CUTTING UNIT DRIVE	Three, 48V (1.1 KW), air-cooled brushless permanent magnet motors with separable controller.	
CUTTING UNIT LIFT SYSTEM	48V electric linear actuators with fully integrated brushless permanent magnet motor and controller. Fully sealed with splash guard. Center lift actuator drop and raise delay is dependent on machine velocity.	
VERTICUTTING	Yes	No
BACKLAPPING	Standard, on-board and adjustable speed from 200-520 RPM	
CONTROLS	Traction Pedal: Forward/Neutral/Reverse; Joystick: Raise/Lower; Function control switch: Neutral, Mow, Transport; Key switch; Steering Arm Lock Pedal; Brake pedal; Parking Brake; InfoCenter; Seat Adjusting Lever; Main Power Connectors; Choke (3360 only); Fuel-Shutoff Valve (3360 only)	
INFOCENTER™	InfoCenter: Onboard LCD display shows gauges, alerts/faults, service reminders, electrical system diagnostics, low oil pressure, alternator, engine hours, engine rpm, voltage, functional control status, parking brake status, reel speed setting, backlap control, clip control, calibration of 48V components.	
DIAGNOSTICS	Advanced machine diagnostics available through the InfoCenter.	
BRAKES	Traction motor regenerative braking; foot pedal service/parking brake, linear-actuated automatic parking brake.	
TIRES/WHEELS/PRESURES	Three, 19x10.5x8, 4-ply rating pneumatic tubeless and demountable. Smooth tread. Tire pressure 12-16 psi (83-110 kPa) front and rear.	
WEIGHT, 11-BLADE CU, BASKETS, AND STANDARD SEAT, NO FUEL	Mow: 1,354 lbs (614 kg) Transport: 1,625 lbs (737 kg)	Mow: 1,274 (578kg) Transport: 1,557 (706 kg)
NOISE LEVEL (DBA)	Sound Power: 91 db(A) Operator Ear: 73 db(A) Bystander: 25ft - 78 db(A), 50ft - 73 db(A), 100ft - 66 db(A)	Sound Power: 82 db(A) Operator Ear: 66 db(A) Bystander: 25ft - 56 db(A), 50ft - 50 db(A), 100ft - 44 db(A)
GROUND CLEARANCE	3.8" (9.7cm) ground clearance. Three, tie down locations (2 side, 1 rear).	
WIDTH OF CUT	59" (150cm)	
CUTTING UNIT SUSPENSION	Double A-Arm Suspension utilizing sealed ball joints allows free cutting unit motion in pitch and yaw. Links system for the roll. The basket is directly mounted to the cutting unit displacing weight evenly over front and rear rollers. (patented) Lift in Turn: Provides a level cut from side to side of cutting units regardless of turning angle (patented).	
QUICK-CONNECT CUTTING UNITS	Snap-on cutting unit and reel motors (no tools required).	
OPTIONAL ATTACHMENTS	8, 11, or 14-blade Cutting Units, Groomers, Rear Roller Brushes, Anti-Bobbing, Light Kit, Variety of Front Rollers, Thatching Reels, Tri-Roller, Spiker, 3-Wheel Drive Kit, Standard or Premium Seat, Wireless Hour Meter, Bimini Shade, Bag Kit, Spark Arrestor.	
MAINTENANCE	No grease points	
OVERALL DIMENSIONS	Width: 70.9" (180cm) Length: with Baskets 98" (249cm) Height: 80.8" (205cm) Wheelbase: 49.8" (126.5cm) Minimum Turning Radius (to machine center line): 35.9" (91cm)	
CERTIFICATION	Meets ANSI B71.5-2017 and EU 2000. 14EC (noise), 2006/42/EC (machinery safety), 2014/53/EU (red)	
WARRANTY	Two-year limited warranty, both models. Lithium-Ion battery 4 years. Refer to the Operator's Manual for further details.	

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	8-BLADE DPA CUTTING UNITS	11-BLADE DPA CUTTING UNITS	14-BLADE CUTTING UNITS
DPA CUTTING UNITS	Patented design allowing reel/bedknife behind centerline aggressiveness to maintain constant through the service life of the reel.		
HEIGHT OF CUT (HOC) RANGE	Cutting height is adjusted on front roller by two vertical screws and held by two locking cap screws. Bench HOC range is .062"-.297" (1.6-7.5 mm). With high HOC kit, range is ..297-1.0" (7.5-25.4 mm). Effective HOC may vary depending on turf conditions and bedknife installed.		
REEL WELDMENT	Reels are 5" (13 cm) in diameter, 21" (53.3 cm) in length. EdgeSeries™ Reels blades are welded to 5 stamped steel spiders, and heat treated. The reel is ground for diameter and concentricity, and relief grind.		
REEL BEARINGS	Two stainless steel ball bearings, 30 mm inside diameter slip fit onto reel shaft retained by internally splined threaded insert. Low drag seals/slingers for added protection with o-ring sealed motor and counterweight. Reel position maintained by a wave washer with no adjusting nut.		
MAINTENANCE	No grease zerks, sealed bearing design eliminates daily maintenance.		
REEL DRIVE	The reel weldment shaft is a 1.375" (35 mm) diameter tube with internally splined threaded insert.		
FRAME	Precision machined, die-cast aluminum cross member with two bolt-on die-cast aluminum side plates.		
BEDKNIFE	Replaceable single edged, EdgeMax™ Microcut Bedknife is standard on all cutting units.		
BEDKNIFE ADJUSTMENT	Dual screw, indexed "click" adjustment to the reel; detents correspond to .0007" (.018 mm) bedknife movement for each position.		
FRONT & REAR ROLLERS	Front: Not included with cutting unit, purchased separately. Option between full, narrow-spaced and wide-spaced Wiehle roller. Rear: Steel full, 2" (5.1 cm) diameter with sealed bearings and through-shaft.		
GRASS SHIELD	Non-adjustable shield with adjustable cut-off bar to improve grass discharge from reel in wet conditions.		
TOTAL WEIGHT	8-blade: 80 lbs. (30.4 kg) with aluminum Wiehle Roller. 11-blade: 83 lbs. (37.7 kg) with aluminum Wiehle Roller. 14-blade: 86 lbs. (39 kg) with aluminum Wiehle Roller.		



GREENSMASTER eTRIFLEX ACCESSORIES*

eTRIFLEX TRACTION UNIT ACCESSORIES	
04716	Off-Greens Kit (Anti Bobbing)
04504	3-Wheel Drive Kit
04555	Universal Light Kit
04716	Off-Greens Kit (Anti-Bobbing)
137-7947	Light Kit, Front Mount Brackets
137-7945	Rear Light Kit
04508	Seat Kit, Standard
04729	Seat Kit, Premium
121-3660	Left Armrest Kit - Standard
119-7105	Armrest Kit - Premium
137-8098	Spark Arrestor Kit (Gas)
138-8579	Canopy
137-8130	Utility Bag Kit
115-4754	Wireless Hour Meter
133-1308	Seat cover

eTRIFLEX DPA CUTTING UNITS	
04651	EdgeSeries™ 8-Blade Cutting Unit
04657	EdgeSeries™ 8 Blade HHOC Cutting Unit
04653	EdgeSeries™ 11-Blade Cutting Unit
04658	EdgeSeries™ 11-Blade HHOC Cutting Unit
04655	EdgeSeries™ 14-Blade Cutting Unit

BEDKNIFE & BEDBAR OPTIONS	
115-1880	EdgeMax™ Microcut Bedknife
115-1881	EdgeMax™ Tournament Bedknife
93-4262	Microcut Bedknife
93-4263	Tournament Bedknife
93-4264	Low Cut Bedknife
94-6392	Bedknife - High Cut
108-4303	Extended Microcut Bedknife
108-4302	Extended Tournament Bedknife
137-6097	Bedknife - Fairway
99-3794-OP	DPA Bedbar, Aggressive (optional)
106-2648-01	DPA Bedbar, Less Aggressive (standard)
137-6092	EdgeMax™ Fairway Bedknife
139-4320	EdgeMax™ Short Microcut Bedknife
139-4321	EdgeMax™ Short Tournament Bedknife

OPTIONAL eTRIFLEX ACCESSORIES	
04720	Thatching Reel - TriFlex (set of 1) for model 04580 only
119-1128	Individual dynaBLADE, 2mm thickness
117-6824	Individual dynaBLADE, 1.2mm thickness
117-6839	Replacement dynaBLADE kit, 1.2mm thickness (36 blades)
117-6840	Replacement dynaBLADE kit, 2mm thickness (36 blades)
121-6674	Individual Spring Steel Blade
121-6675	Replacement Spring Steel Blade Kit (36 pcs)
04722	Greens Tri-Roller - TriFlex (set of 1)
04723	Greens Spiker - TriFlex (set of 1)

ROLLER OPTIONS	
04257	Full Roller DPA
04255	Narrow Wiehle Roller DPA
04256	Wide Wiehle Roller DPA
04249	Full Split Roller
04250	Wiehle Split Roller
04628	Solid Steel Roller Kit (Front Wide Wiehle, Rear Full)
71-1550	2" Rear Wiehle Roller (cast iron)
125-5180	Rear Roller Extension Kit
120-9600	High Height of Cut Kit (.35 - .94)
04258	Extended Wiehle Roller
04267	Paspalum Wiehle Roller

TOOLS	
04399	Turf Evaluator
125-5610	Paper - Reel
140-5531	Shim - Reel
94-9010	Height of Cut Bar Assembly

FRONT ROLLER SCRAPER OPTIONS	
125-3503	Narrow Wiehle Roller Scraper
125-3504	Wide Wiehle Roller Scraper
125-3505	Full Roller Scraper
115-7377	Narrow Wiehle Roller Scraper Brush
115-7378	Wide Wiehle Roller Scraper Brush
115-7379	Full Roller Scraper Brush
115-7380	Narrow Wiehle Roller Scraper Comb
115-7381	Wide Wiehle Roller Scraper Comb
115-7382	Full Roller Scraper Comb
107-9561	Anti Bobbing Roller - Scraper Kit (Front and Rear)

REAR ROLLER SCRAPER OPTIONS	
132-0723	RRB Adapter Kit (04650 for RRB only)
04646	Roller Scraper (Spring Loaded)
121-2260	Roller Scraper - Adjustable



TORO

Reelmaster® 3100-D

The 3100-D triplex trim mower provides superb cutting, ultra comfort and ease of service – featuring a unique rear engine layout and optional Sidewinder® cutting units.



Reelmaster® 3100-D Specifications

REELMASTER 3100-D, MODEL 03170*		REELMASTER 3100-D, MODEL 03171 w/SIDEWINDER®*
ENGINE	Kubota® liquid-cooled diesel, 3-cylinder, 21.5 hp (16 kW) net @ 2500 RPM. High idle: 2,600 rpm, Low idle: 1,400 rpm (+/- 50 rpm). 68.5 cu. in. (1123 cm) displacement. Tier 4 and Stage V compliant. Pressurized lubrication system with 3.5 U.S. qt. (3.3 liter) capacity. Heavy-duty, radial seal air cleaner. Fuel/water separator with visible bowl.	
CONFIGURATION	Rear mounted engine, front operator position. Rear mounted radiator. Two post ROPS and seat belt standard.	
FUEL CAPACITY	7.5 gallons (28 liters). Biodiesel-Ready for use up to B-20 (20% biodiesel and 80% petroleum blend).	
TRACTION DRIVE	Series/Parallel hydraulic traction circuit provides continuous 3-wheel drive, in mow and transport. Hydrostatic traction drive provides infinitely variable speed in forward and reverse. 6 gallon (23 liter) hydraulic system capacity.	
GROUND SPEED	Mow: 0-6 mph (0-10 km/h); Transport: 0-9 mph (0-14 km/h). Reverse: 0-4 mph. (0-6 km/h).	
CONTROLS	Forward and reverse traction control pedals, mow/transport lever, hand activated park brake, ignition key switch, tilt steering wheel lock, PTO switch, throttle, joystick control for cutting unit raise and lower (and for moving cutting units side-to-side on Sidewinder equipped models), cutting unit transport lock, reel speed and backlap control knob.	
GAUGES	Hour meter, fuel gauge, cluster gauge with glow plug and charge indicator lights, and low engine oil pressure and high coolant temperature warning lights (high temperature safety shut off).	
ELECTRICAL & INTERLOCKS	12-volt, 585 cold cranking amps at 0° F (-18° C), 40 amps with regulator/rectifier. Traction pedal, operator presence in seat, PTO engage or disengage, and cutting unit mow or transport safety interlock switches.	
TIRES	Front: 20 x 12-10, 4-ply Turf Tread. Rear: 20 x 10-10, 4-ply Turf Tread	
FRAME	Formed steel, welded steel and steel tubing.	
BRAKES	Hydrostatic service brake, hand-operated parking brake.	
STEERING	Power steering with tilt steering wheel.	
OVERALL DIMENSIONS	Track Width: 55" (140 cm) Overall Height: 76" (193 cm) with ROPS Wheel Base: 56" (142 cm) Transport Width: 80" (203 cm) in 72" (183 cm) WOC, 92" (234 cm) in 85" (216 cm) WOC Overall Length: 93" (248 cm)	
WEIGHT	Approx. Weight with 27-inch Cutting Units: 1,860 lbs. (844 kg)	Approx. Weight with 27-inch Cutting Units: 1,950 lbs. (885 kg)
CUTTING UNIT CONFIGURATION	Fixed position cutting units.	Operator controlled moveable cutting units travel $\pm 12"$ (30 cm) left or right from center; total of 24" (61 cm) of infinite variability.
CUTTING UNIT OFFSET	3" (7.6 cm) in 72" (183 cm) width of cut 10" (25 cm) in 85" (216 cm) width of cut	Maximum 15" (38 cm) in 72" (183 cm) width of cut. Maximum 22" (56 cm) in 85" (216 cm) width of cut.
CERTIFICATION	This product complies with the American National Standards Institute (ANSI B71.4 – 2017) and European Community specifications (CE Certified). EN ISO 5395.	
WARRANTY	Two-year limited warranty, refer to operators manual for details.	

27" CUTTING UNITS (03189, 03190)* / 32" CUTTING UNITS (03191)*	
TYPE	Three hydraulically-driven, balanced, 7" (17.8 cm) diameter reels. Cutting units interchangeable to all three positions.
REEL BLADE OPTIONS	8 and 11-blade reels available for 27" (68.6 cm) cutting unit. 8-blade reels available for 32" (81.3 cm) cutting unit.
HOC RANGE	Height of cut ranges 0.25"-2" (6.4-50.8 mm) standard in floating position, 1.5" to 2.5" (3.8-6.4 cm) in fixed position.
CUTTING WIDTH	72" (183 cm), or 85" (216 cm) width of cut dependent on cutting unit selection.
CLIP FREQUENCY/ BACKLAPPING	Manually controlled variable reel speed for adjustment of clip frequency. Standard on-board backlapping.
BEDKNIFE-TO-REEL ADJUSTMENT	Dual point adjustment (DPA) of bedknife to reel.
ROLLERS	Full roller standard on rear of cutting unit and plastic front Wiehle roller.

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TRACTION UNIT ACCESSORIES	
115-4754	myTurf® Wireless Hour Meter Assembly
30629	Premium Seat
127-2796	Smooth Tire (front only)
120-7639	Smooth Tire (rear only)
03614	Golf Ball Guard
31696	LED Light Kit

CUTTING UNIT OPTIONS	
03189	27" (69 cm) 8-Blade DPA Cutting Unit
03190	27" (69 cm) 11-Blade DPA Cutting Unit
03191	32" (81 cm) 8-Blade DPA Cutting Unit
03203	27" (69 cm) Verticutter Cutting Unit

BEDKNIFE OPTIONS	
147-1249	Standard (27") - (03189, 03190)
147-1250	Heavy-Duty (27") (03192)
147-1248	Extended Low-Cut (27")
112-8910	EdgeMax™ (27")
147-1253	Standard (32") - (03191)
147-1254	Heavy-Duty (32")
147-1252	Extended Low-Cut (32")

TRACTION UNIT SUNSHADE	
30669	Universal Sunshade - White
30671	Universal Sunshade - Red
30358	Bimini Canvas Sunshade
03248	Switch Panel
03247	Operator Cooling Fan
138-2700	Worklights
138-2699	Beacon
138-2993	Wire Harness
136-3315	Required Wheel Weight Kit

27" (69 CM) DPA CUTTING UNIT ACCESSORIES	
03240	Universal Groomer
03778	27" (69 cm) Groomer Cartridge
03242	27" (69 cm) Universal RRB Kit
03243	Rear Roller Brush Kit
132-7125	Broomer Kit
03185	Grass Basket Kit
114-9368	Rear Roller Scraper Kit
114-9372-03	Wiehle Roller Scraper
114-9376	Comb/Scraper Kit
119-0630	Shoulder Roller Asm
114-9381-03	Shoulder Roller Scraper
137-6121	Full Front Roller
114-9386-03	Full Front Roller Scraper
119-4286	Short Rear Roller Asm
140-5514	HD High HOC Brush

CUTTING UNIT OPTIONS (27"/32")	
03244	End Weight Kit
119-0649	Trim/HD Collar Kit (6 per roller)
119-0635	RM3100 Tipper Roller Kit
98-1852	Gauge Bar
04399	Turf Evaluator

32" (81 CM) DPA CUTTING UNIT ACCESSORIES	
03246	Rear Roller Brush Kit
133-0193	5-Blade Service Reel
114-9369	Rear Roller Scraper Kit
114-9373-03	Wiehle Roller Scraper
114-9377	Comb/Scraper Kit
140-5513	HD High HOC Brush
137-6127	Full Front Roller
114-9387-03	Full Front Roller Scraper
119-0640	Shoulder Roller Asm
114-9382-03	Shoulder Roller Scraper
119-4288	Short Rear Roller Asm

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TORO

Reelmaster® 3550-D

The Toro® Reelmaster® 3550-D floats effortlessly over contours in fairways and green surrounds. With a productive 82-inch cutting width, turf-friendly tires, the superior traction of a Series/Parallel 3-wheel drive system, and a weight of less than 2,000 pounds,* the Reelmaster 3550-D is engineered to make a big impression...without leaving one.



* Gross vehicle weight for standard configuration, including five 18-inch cutting units, with no optional accessories.



Reelmaster® 3550-D Specifications

REELMASTER 3550-D, MODEL 03910	
ENGINE	Kubota® 3-cylinder, liquid-cooled diesel engine. 22.9 (17.1 kW) @ 3000 RPM. Engine governed to 3220 RPM high idle (\pm 50 RPM), 1400 RPM low idle (\pm 50 RPM). Displacement: 68.5 cu.in. (1123 cc). Peak torque: 49.6 lbs-ft @ 2200 RPM.
LUBRICATION	Pressurized lubrication system with 3.5 quarts (3.3 liters) capacity.
FUEL FILTER	10 micron spin-on filter with integral water separator.
COOLING	Aluminum side-by-side oil cooler/radiator. 8.5 fins per inch, wavy fin, non-louvered. 5.25 quart (4.9 liter) capacity.
FUEL TANK CAPACITY	7.5 gallons (28.3 liters), diesel fuel. Biodiesel-Ready for use up to B-20 (20% biodiesel and 80% petroleum blend).
TRACTION DRIVE	Series/Parallel hydraulic traction circuit provides continuous 3-wheel drive, in mow and transport. Hydrostatic traction drive provides infinitely variable speed in forward and reverse. 6 gallon (23 liter) hydraulic system capacity.
GROUND SPEED	0-10 mph (0-16.1 km/hr) forward transport; 0-7 mph (0-11.3 km/hr) mow; 0-3.5 mph (5.6 km/hr) reverse.
TIRES	Three (3) 22x12-12, 4-ply, no tread tires. 12 PSI recommended pressure.
MAIN FRAME	Formed steel, welded steel and steel tubing.
BRAKES	Hydrostatic service brake. Hand-operated parking brake.
STEERING	Power steering with tilt steering wheel.
GAUGES	Hour meter, fuel gauge, diagnostic lamp, cluster gauge with glow plug and charge indicator lights, and low engine oil pressure and high coolant temperature warning lights (high temperature safety shut off).
CONTROLS	Foot operated controls: Forward and reverse traction pedal, mow/transport speed limiter. Hand operated on control panel: Parking brake lever, ignition switch, engine throttle lever, LED work light switch, on/off switch for cutting units, joystick for cutting unit lift and lower. Other controls: Steering wheel tilt control, reel speed control, backlap engagement lever.
ELECTRICAL & INTERLOCKS	Heavy-duty 12 V battery, 570 CCA; 40 amp alternator/regulator. Electronic control unit is microprocessor based, solid state control unit with diagnostic capabilities. Traction pedal neutral, parking brake, operator presence in seat, and cutting unit engage/disengage safety interlock switches.
REEL DRIVE	Hydraulic, open loop through oil cooler & filter. High efficiency pressure balanced gear type motors and pumps.
SEAT	Mechanical suspension standard.
DIMENSIONS	Height: 74" (188 cm) Length: 110" (279.4 cm) Wheelbase: 59.5" (151.1 cm) Operational Width: 94" (238.8 cm) Transport Width: 91" (231.1 cm)
WEIGHT	1,985 lbs. (900.38 kg) with (5) 18" 8-blade cutting units.
SAFETY	ROPS Standard. Capable of traversing a 25° slope in any direction on dry grass, while mowing.
CERTIFICATION	Complies with ANSI B71.4-2012 and CE requirements. EN ISO 5395.
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.

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	18" CUTTING UNITS: 03485 (8-BLADE) & 03486 (11-BLADE)	22" CUTTING UNIT: 03487 (8-BLADE) & 03488 (11-BLADE)
TYPE	Five hydraulically driven, balanced, DPA cutting Units. Frame precision manufactured, die-cast aluminum for increased strength, simple click adjustment maintenance.	
SIZE	18" (46 cm) wide, 5" (12.7 cm) diameter. Optional 22" (56 cm) wide, 5" (12.7 cm) diameter for the rear positions to increase overlap.	
WIDTH OF CUT	82" (2.1 m)	
HOC RANGE	0.25"-1.5" (6.4-38.1 mm)	
REEL SPEED	2350 (+/- 150) rpm max reel speed at highest setting. 200 rpm max at low idle and lowest setting for backlapping.	
BEDKNIFE ADJUSTMENT	Precision machined cutting units maintain levelness and hold adjustments. Dual Precision Adjustment (DPA) allows quick bedknife to reel adjustment.	
ROLLERS	Wiehle front roller and standard rear roller included. Optional front full and shoulder rollers, and longer rear rollers available.	
GRASS BASKETS	Optional 18" (46 cm) or 22" (56 cm) baskets.	

CUTTING UNIT OPTIONS	
03485	18" (46 cm) 8-Blade DPA Cutting Unit
03486	18" (46 cm) 11-Blade DPA Cutting Unit
03487	22" (56 cm) 8-Blade DPA Cutting Unit
03488	22" (56 cm) 11-Blade DPA Cutting Unit
03484	End weight (for cutting units without attachments)

22" (56 CM) DPA CUTTING UNIT ACCESSORIES	
03416	Flex Grass Basket Kit (rear)
107-3280	Rear Roller Scraper Kit
107-2993-03	Wiehle Roller Scraper
110-1735	Comb/Scraper Kit
114-5412	Full Front Roller
110-9602-03	Full Front Roller Scraper
114-5404	Long Rear Roller Asm
114-5421	Shoulder Roller Asm
110-9609-03	Shoulder Roller Scraper
110-9600	High HOC Kit

TRACTION UNIT ACCESSORIES	
30358	Bimini Canvas Sunshade
121-7924	Tire – Turf Tread
03614	Golf Ball Guard
115-4754	myTurf® Wireless Hour Meter Assembly

18" (46 CM) DPA CUTTING UNIT ACCESSORIES	
03923	Flex Grass Basket Kit
03924	Extended Flex Grass Basket Kit (front)
120-9986	Rear Roller Scraper Kit
121-3182-03	Wiehle Roller Scraper
121-6995	Comb/Scraper Kit
110-9600	High HOC Kit
121-3199	High HOC Brush (for 18" RRB kits)
112-1732	Full Front Roller
121-6996-03	Full Front Roller Scraper
112-1728	Long Rear Roller Asm
112-1733	Shoulder Roller Asm
121-6970-03	Shoulder Roller Scraper
108-6715	Gauge Bar
29-9100	Brush & Handle

TRACTION UNIT SUNSHADE	
30669	Universal Sunshade - White
30671	Universal Sunshade - Red
03248	Switch Panel
03247	Operator Cooling Fan
138-2700	Worklights
138-2699	Beacon
138-2993	Wire Harness

BEDKNIFE OPTIONS	
137-0831	EdgeMax™ (18")
137-0833	EdgeMax™ (22")
137-0830	EdgeMax™ Low cut (18")
137-0832	EdgeMax™ Low cut (22")
147-1241	Standard (18")
147-1245	Standard (22")
147-1240	Standard Low Cut (18")
147-1244	Standard Low Cut (22")

GROOMER AND REAR ROTATING BRUSH OPTIONS	
03763	Universal Groomer
03771	18" (46 cm) Groomer Cartridge
03766	18" (46 cm) Groomer Brush Cartridge
03657	Rear Roller Brush (for Groomer Kit) (18")
03916	Rear Roller Brush ONLY Kit (18")
03484	End Weight Kit
03918	Rear Roller Brush Kit (3 - 18") & (2 - 22")
132-7115	Broomer Kit (For 18" Groomers)

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TORO

Reelmaster® 3555-D / 3575-D

Performance you expect in a size you didn't, Toro's Reelmaster 3555-D and 3575-D (5 and 7 inch reel) fairway mowers. Productivity, efficiency, simplicity, 100 inch (2.5 m) cutting width and lighter weight all packed into a compact chassis.



REELMASTER 3555-D, MODEL 03820 / REELMASTER 3575-D, MODEL 03821	
ENGINE	Kubota® 3-cylinder, liquid-cooled diesel engine. 22.9 (17.1 kW) @ 3000 RPM. Engine governed to 3220 RPM high idle (\pm 50 RPM), 1400 RPM low idle (\pm 50 RPM). Displacement: 68.5 cu.in. (1123 cc). Peak torque: 49.6 lbs-ft @ 2200 RPM.
LUBRICATION	Pressurized lubrication system with 3.5 quarts (3.3 liters) capacity.
FUEL FILTER	10 micron spin-on filter with integral water separator.
COOLING	Aluminum side-by-side oil cooler/radiator. 8.5 fins per inch, wavy fin, non-louvered. 5.25 quart (4.9 liter) capacity.
FUEL TANK CAPACITY	7.5 gallons (28.3 liters), diesel fuel. Biodiesel-Ready for use up to B-20 (20% biodiesel and 80% petroleum blend).
TRACTION DRIVE	Series/Parallel hydraulic traction circuit provides continuous 3-wheel drive, in mow and transport. Hydrostatic traction drive provides infinitely variable speed in forward and reverse. 6 gallon (23 liter) hydraulic system capacity.
GROUND SPEED	0-10 mph (0-16.1 km/hr) forward transport; 0-7 mph (0-11.3 km/hr) mow; 0-3.5 mph (5.6 km/hr) reverse.
TIRES	Three (3) 22x12-12, 4-ply, no tread tires. 12 PSI recommended pressure. (Optional turf tire)
MAIN FRAME	Formed steel, welded steel and steel tubing.
BRAKES	Hydrostatic service brake. Hand-operated parking brake.
STEERING	Power steering with tilt steering wheel.
GAUGES	Hour meter, fuel gauge, diagnostic lamp, cluster gauge with glow plug and charge indicator lights, and low engine oil pressure and high coolant temperature warning lights (high temperature safety shut off).
CONTROLS	Foot operated controls: Forward and reverse traction pedal, mow/transport speed limiter. Hand operated on control panel: Parking brake lever, ignition switch, engine throttle lever, LED headlight switch, on/off switch for cutting units, joystick for cutting unit lift and lower. Other controls: Steering wheel tilt control, reel speed control, backlap engagement lever.
ELECTRICAL & INTERLOCKS	Heavy-duty 12 V battery, 570 CCA; 40 amp alternator/regulator. Electronic control unit is microprocessor based, solid state control unit with diagnostic capabilities. Traction pedal neutral, parking brake, operator presence in seat, and cutting unit engage/disengage safety interlock switches.
REEL DRIVE	Hydraulic, open loop through oil cooler & filter. High efficiency pressure balanced gear type motors and pumps.
SEAT	Mechanical suspension standard.
DIMENSIONS	3555-D: Height: 79" (200 cm) Length: 105" (266 cm) Operational Width: 112" (284 cm) Transport Width: 91" (231 cm) 3575-D: Height: 81" (206 cm) Length: 105" (266 cm) Operational Width: 112" (284 cm) Transport Width: 91" (231 cm)
WEIGHT	3555-D: 1,655 lbs. (751 kg) with no cutting units. 2,280 lbs. (1,034 kg) with (5) 5" reels, 22" width, 8-blade cutting units. 3575-D: 1,755 lbs. (796 kg) with no cutting units. 2,550 lbs. (1,156 kg) with (5) 7" reels, 22" width, 8-blade cutting units.
SAFETY	ROPS Standard. Capable of traversing a 25° slope in any direction on dry grass, while mowing.
CERTIFICATION	Complies with ANSI B71.4-2012 and CE requirements. EN ISO 5395.
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.

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22" CUTTING UNIT: 8-BLADE & 11-BLADE	
TYPE	Five hydraulically driven, balanced, DPA cutting Units. Frame precision manufactured, die-cast aluminum for increased strength, simple click adjustment maintenance.
SIZE	22" (56 cm) wide, 5" (12.7 cm) or 7" (17.8 cm) diameter.
WIDTH OF CUT	100" (2.54 m)
HOC RANGE	0.25"-1.5" (6.4-38.1 mm)
REEL SPEED	5" reel 2350 (+/- 150) rpm max reel speed, 7" reel 1600 rpm max reel speed, at highest setting. 200 rpm max at low idle and lowest setting for backlapping.
BEDKNIFE ADJUSTMENT	Precision machined cutting units maintain levelness and hold adjustments. Dual Precision Adjustment (DPA) allows quick bedknife to reel adjustment.
ROLLERS	Wiehle front roller and standard rear roller included. Optional front full and shoulder rollers, and short and long rear rollers available.
GRASS BASKETS	Optional baskets.

RM3555 – 5" (12.7 CM) CUTTING UNIT OPTIONS	
03487	22" (56 cm) 8-Blade DPA, RR Cutting Unit
03488	22" (56 cm) 11-Blade DPA, FSR Cutting Unit
03489	22" (56 cm) 11-Blade DPA, RR Cutting Unit
03484	End weight (for cutting units without attachments)

RM3575 – 7" (17.8 CM) CUTTING UNIT OPTIONS	
03638	22" (56 cm) 8-Blade DPA, RR Cutting Unit
03639	22" (56 cm) 8-Blade DPA, FSR Cutting Unit
03641	22" (56 cm) 11-Blade DPA, FSR Cutting Unit
03643	22" (56 cm) 11-Blade DPA, RR Cutting Unit
03405	End weight (for cutting units without attachments)

TRACTION UNIT ACCESSORIES	
121-7924	Tire – Turf Tread
03614	Golf Ball Guard
115-4754	myTurf® Wireless Hour Meter Assembly

TRACTION UNIT SUNSHADE	
30669	Universal Sunshade - White
30671	Universal Sunshade - Red
03248	Switch Panel
03247	Operator Cooling Fan
138-2700	Worklights
138-2699	Beacon
138-2993	Wire Harness

22" (56 CM) DPA CUTTING UNIT ACCESSORIES	
03415	Flex Grass Basket Kit (front)
03416	Flex Compact Grass Basket Kit (rear) (127-8562-03 Reduced Width Step Kit required.)
131-6845	Groomer Rod Kit - Flex Baskets
107-3280	Rear Roller Scraper Kit
107-2993-03	Wiehle Roller Scraper
110-1735	Comb/Scraper Kit
114-5412	Full Front Roller
110-9602-03	Full Front Roller Scraper
114-5404	Long Rear Roller Asm
114-5421	Shoulder Roller Asm
110-9609-03	Shoulder Roller Scraper
110-9600	High HOC Kit

BEDKNIFE OPTIONS	
107-0833	EdgeMax™
137-0832	EdgeMax Low Cut
147-1245	Standard
147-1244	Standard Low Cut
147-1257	Standard Tournament Cut (22")
119-4280	EdgeMax Extended Low Cut
147-1243	Standard Extended Low Cut
147-1246	HD Bedknife

RM3555 – 5" (12.7 CM) CUTTING UNIT GROOMER AND REAR ROTATING BRUSH OPTIONS	
03763	Universal Groomer
03772	22" (56 cm) Groomer Cartridge
03767	Groomer Brush Cartridge
03417	Universal Only Weight Kit
03658	5" (12.7 cm) Universal RRB Kit
03406	Rear Roller Brush ONLY Kit
03412	5" (12.7 cm) End Weight Kit
132-7125	Broomer Kit (for groomers)

RM3575 – 7" (17.8 CM) CUTTING UNIT GROOMER AND REAR ROTATING BRUSH OPTIONS	
03768	Universal Groomer
03772	22" (56 cm) Groomer Cartridge
03767	Groomer Brush Cartridge
03418	Universal Only Weight Kit
03659	7" (17.8 cm) Universal RRB Kit
03419	Universal w/RRB weight kit
03408	Rear Roller Brush ONLY Kit
132-7125	Broomer Kit (for groomers)

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TORO

Reelmaster® 5010-H

The Reelmaster 5010-H gives you the power and performance you want with the fuel efficiency and reliability you need. Through its patented PowerMatch™ system, the Reelmaster 5010-H utilizes the power of a diesel engine in combination with a battery pack to supply over 40 horsepower, but only when conditions require. Electric motors on the cutting units, which feature low-drag seals and low-friction bearings, improve performance and reduce power requirements. The result is increased fuel efficiency, quieter operation, significantly fewer potential leak points and unmatched quality of cut.



Reelmaster® 5010-H Specifications

REELMASTER 5010-H, MODEL 03950	
POWER SYSTEM	Tier 4 compliant 22.9 (17.1 kW) Kubota® 3-cylinder, liquid-cooled, diesel engine. Peak torque: 49.6 lbs-ft @ 2200 RPM. Four 12V Absorbed Glass Mat (AGM), sealed, maintenance-free lead carbon batteries.
LUBRICATION	Pressurized lubrication system with 3.5 quart (3.3 liter) capacity.
FUEL FILTER	Replaceable spin-on fuel filter/water separator.
COOLING	Rear mounted radiator with industrial tube and fin construction, 6 fins per inch, 5.5 quart (5.2 liter) system capacity.
FUEL TANK CAPACITY	14 gallons (53 liters), diesel fuel.
TRACTION DRIVE	Front drive wheels powered in a parallel circuit by an electronically controlled hydrostatic pump with individual wheel motors. All-wheel drive optional with CrossTrax® All-Wheel Drive system, which transfers power from the front wheels to the opposite rear wheels via independent rear wheel motors.
GROUND SPEED	0-10 mph (0-16 km/h) forward transport; 0-8 mph (0-12.8 km/h) mow; 0-5 mph (0-8 km/hr) reverse transport; 0-4 mph (0-6.4 km/hr) reverse mow.
TIRES	Front traction tires: 26.5 x 14-12; Rear steer tires: 20 x 12-10.
MAIN FRAME	High strength steel frame with welded construction.
BRAKES	Dynamic braking through hydrostatic traction drive. Parking brake is activated when engine is turned off, when operator leaves seat, or by rocker switch.
STEERING	Rear wheel, power steering with an independent hydraulic pump and circuit.
GAUGES	InfoCenter™ onboard LCD display shows gauges, alerts, faults, service reminders, electrical systems diagnostics, indicates fuel level, coolant temp., low oil pressure, alternator, engine hours, engine rpm, voltage, reel speed, backlap speed, glow indicator, lift/lower indicator.
CONTROLS	Single foot-operated traction pedal. Hand-operated key ignition switch, switch-operated throttle, cutting unit raise/lower joystick, cutting unit engage switch, parking brake switch, cruise control switch, and LED headlight switch, all positioned on right hand pivoting control console.
ELECTRICAL	Heavy duty 12-volt battery, 570 CCA, 40 amp alternator. Electronic control unit is a microprocessor based, solid state control unit with diagnostic capabilities. Traction pedal, parking brake, operator presence in seat, and cutting unit engage/disengage safety interlock switches.
REEL DRIVE	Five independent reel motors, each individually fused. Reel speeds are electronically adjustable in nine incremental settings. 5010-H exclusive feature, reel speed continuously adjusts to ground speed, keeping desired clip rate consistent. On-board backlapping is standard.
SEAT	Deluxe high back suspension seat with fore, aft, height and weight adjustment.
DIMENSIONS	Height: 63" (160 cm) to seat, 85.5" (217.2 cm) to ROPS. Length: 111" (281.9 cm) Wheelbase: 60" (152.4 cm) Operational Width: 116" (288.3 cm) Transport Width: 92" (233.7 cm).
WEIGHT	With 5" cutting units: 2WD – 2,776 lbs. (1,259 kg), 4WD – 2,827 lbs. (1,282 kg). With 7" cutting units: 2WD – 2,907 lbs. (1,319 kg), 4WD – 2,965 lbs. (1,345 kg).
SAFETY / CERTIFICATION	ROPS Standard. Complies with ANSI B71.4, ISO EN 5395 and CE requirements
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.

CUTTING UNITS: 5" 8-BLADE: 03621 5" 11-BLADE: 03623 7" 8-BLADE, RADIAL: 03638 7" 8-BLADE, FORWARD-SWEPT: 03639 7" 11-BLADE FORWARD-SWEPT: 03641	
TYPE	Five electrically driven, DPA cutting Units with low-drag seal and bearing package. Frame precision manufactured, die-cast aluminum for increased strength, simple click adjustment maintenance.
SIZE	22" (56 cm) wide, 5" (12.7 cm) or 7" (17.8 cm) diameter.
WIDTH OF CUT	100" (254 cm)
HOC RANGE	8-Blade: 5": 0.5"- 1.5" (13-38 mm), 7": 0.5"-2.0" (13-51 mm), 11-Blade: 0.25"- 0.75" (6-19 mm)
REEL SPEED	Electronically controlled, variable reel speed for optimal clip frequency and independently controlled backlap speed.
BEDKNIFE ADJUSTMENT	Precision machined cutting units maintain levelness and hold adjustments. Dual Precision Adjustment (DPA) allows quick bedknife to reel adjustment.
ROLLERS	Wiehle front roller and standard rear roller included. Optional front full and shoulder rollers, and longer rear rollers available.

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CUTTING UNITS	
03647	5" (12.7 cm) cutting unit finishing kit
03621	5" (12.7 cm) 8-blade DPA RR cutting unit
03623	5" (12.7 cm) 11-blade DPA FSR cutting unit
03624	5" (12.7 cm) 11-blade DPA RR cutting unit
03618	5" (12.7 cm) verticutter cutting unit
03649	7" (17.8 cm) cutting unit finishing kit
03638	7" (17.8 cm) 8-blade, RR cutting unit
03639	7" (17.8 cm) 8-blade, FSR cutting unit
03641	7" (17.8 cm) 11-blade, FSR cutting unit
03643	7" (17.8 cm) 11-blade, RR cutting unit
03619	7" (17.8 cm) verticutter cutting unit

5" (12.7 cm) CUTTING UNIT ACCESSORIES	
03763	Universal Groomer
03772	22" (56 cm) Groomer Cartridge
03767	Grooming Brush Cartridge
03417	Universal Only Weight Kit
03658	Powered rear roller brush for groomers
03413	Weight for cutting units with attachments
03406	Powered rear roller brush only
03411	End Weight Kit
03415	Flex Grass Basket
131-6845	Flex Groomer Rod Kit

7" (17.8 cm) CUTTING UNIT ACCESSORIES	
03768	Universal Groomer
03772	22" (56 cm) Groomer Cartridge
03767	Grooming Brush Cartridge
03418	Universal Only Weight Kit
03659	Powered rear roller brush for groomers
03419	Universal w/RRB Weight Kit
03408	Powered rear roller brush only
03405	Weight for cutting units without attachments
03415	Flex Grass Basket
131-6845	Flex Groomer Rod Kit

TRACTION UNIT ACCESSORIES	
03645	CrossTrax® All-Wheel Drive Kit
03656	CrossTrax All-Wheel Drive Finishing Kit
03667	Air-ride Seat Suspension
03415	Standard Flexible Grass Basket
03416	Compact Flexible Grass Basket

TRACTION UNIT SUNSHADE	
30669	Universal Sunshade - White
30671	Universal Sunshade - Red
03248	Switch Panel
03247	Operator Cooling Fan
140-1554	Worklights
138-2699	Beacon
138-2994	Wire Harness

BEDKNIFE OPTIONS	
108-9095	EdgeMax™
147-1245	Standard
127-7132	EdgeMax Low Cut
147-1244	Low Cut
147-1257	Standard Tournament Cut (22")
119-4280	EdgeMax Extended Low Cut
147-1243	Extended Low Cut
147-1246	Heavy Duty

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TORO

Reelmaster® 5410 / 5510 / 5610

A lightweight fairway mower that's agile and easy on the turf, yet has the power and cutting capacity to get even the tough jobs done.



REELMASTER 5410-D TIER 4 DIESEL, MODEL 03952*	
ENGINE	Yanmar® 3-cylinder, liquid cooled, diesel engine. 36.8 hp (27.5 kW), 74.4 ft. lbs. (105 Nm) torque, 1.64 liter displacement.
LUBRICATION	Pressurized lubrication system with 5.0 quart (4.7 liter) capacity.
FUEL FILTER	Replaceable spin-on fuel filter/water separator.
AIR CLEANER	Heavy-duty three-stage, radial seal air cleaner with restriction indicator.
COOLING	Plate and bar radiator/oil cooler combination, 6.3 fins per inch, 10 quart (9.5 liter) capacity.
FUEL TANK CAPACITY	14 gallon (53 liter) capacity.
HYDRAULIC OIL CAPACITY	15 gallon (56.8 liter) capacity.
TRACTION DRIVE	Front drive wheels powered in a parallel circuit by an electronically controlled hydrostatic pump with individual wheel motors. All-wheel drive optional with CrossTrax® All-Wheel Drive system, which transfers power from the front wheels to the opposite rear wheels via independent rear wheel motors.
GROUND SPEED	0-10 mph (0-16 km/hr) forward transport; 0-8 mph (0-12.8 km/hr) mow; 0-5 mph (0-8 km/hr) reverse transport; 0-4 mph (0-6.4 km/hr) reverse mow.
TIRES	Front traction tires: 26.5 x 14-12 turf tires Rear steer tires: 20 x 12-10
MAIN FRAME	High strength steel frame with welded construction.
BRAKES	Dynamic braking through hydrostatic traction drive. Parking brake is activated when engine is turned off, when operator leaves seat, or by rocker switch.
STEERING	Rear wheel, power steering with an independent hydraulic pump and circuit.
GAUGES	InfoCenter™ onboard LCD display shows gauges, alerts/faults, service reminders, electrical system diagnostics, indicates fuel level, coolant temp., low oil pressure, alternator, engine hours, engine rpm, voltage, reel speed, backlap speed, glow indicator (diesel), lift/lower indicator.
CONTROLS	Single foot-operated traction pedal. Hand-operated key ignition switch, cutting unit raise/lower joystick, cutting unit engage switch, parking brake switch, cruise control switch, and headlight switch all positioned on right hand pivoting control console.
ELECTRICAL & INTERLOCKS	Heavy-duty 12-volt battery, 570 CCA, 55 amp alternator. Electronic control unit is a microprocessor based, solid state control unit with diagnostic capabilities. Traction pedal, parking brake, operator presence in seat, and cutting unit engage/disengage safety interlock switches.
REEL DRIVE	Reel drive circuit is split independently for front and rear cutting units. Hydraulic functions controlled by an integrated hydraulic control block. Reel speeds are electronically adjustable in nine incremental settings. Desired clip rate remains consistent as max mow speed is adjusted. Standard on-board backlapping.
CUTTING UNIT LIFT/LOWER	Front and rear cutting unit lift/lower is sequenced for uniform starting and ending points.
SEAT	Deluxe high back suspension seat with fore, aft, height and weight adjustment.
ROPS	Standard with seat belt
HEIGHT	63" (160 cm) seat top, 85" (217.2 cm) top of ROPS.
LENGTH (2WD)	111" (281.9 cm)
WHEEL BASE	60" (152.4 cm)
OPERATIONAL WIDTH	113.5" (288.3 cm)
TRANSPORT WIDTH	92" (233.7 cm)
WEIGHT	2,943 lbs. (1,335 kg) (2WD), 3,053 lbs. (1,385 kg) (4WD)
CERTIFICATION	Complies with ANSI B71.4 and CE requirements. Certain machine configurations require rear weight kits for standards compliance, see Operator's Manual for details.
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.

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8 AND 11-BLADE CUTTING UNITS, MODELS 03621, 03623 AND 03624	
TYPE	5-plex, hydraulically driven, balanced cutting units with adjustable rear weight transfer spring. Cutting units feature quick disconnect for removal/installation and are interchangeable to all positions. Cutting units also feature rear throw capability.
SIZE	22" (56 cm) wide, 5" (12.7 cm) diameter, 8 & 11 blade cutting units.
WIDTH OF CUT	100" (254 cm)
HOC RANGE	8-Blade: 0.5" - 1.5" (13-38 mm), 11-Blade: 0.25" - 0.75" (6-19 mm)
REEL SPEED	Manually controlled, variable reel speed for control of clip frequency. Reel speeds are incrementally adjustable between 200-2,000 rpm with a backlap speed of 200 rpm.
BEDKNIFE ADJUSTMENT	Dual Precision Adjustment (DPA), bedknife to reel.
ROLLERS	3" (7.6 cm) diameter, deep groove plastic Wiehle front roller. 2.5" (6.4 cm) diameter shortened steel rear roller. Other roller configurations optional.

UNIVERSAL GROOMER, MODEL 03763	
TYPE	Forward, Reverse & Neutral. Rotating blades with optional Broomer™ brush strips that are woven within the blade helix for full width turf contact.
GROOMING WIDTH	20.5" (52.1 cm)
GROOMING RANGE	0-0.25" (0-6.4 mm) below height of cut when engaged, 0.5" (0-12.7 mm) above Groomer height of cut when disengaged.
BLADES	2.5" (6.4 cm) diameter, 0.042" (1 mm) thick heat treated spring steel blades with 0.5" (12.7 mm) spacing.

POWERED REAR ROLLER BRUSH, MODEL 03406	
TYPE	Rotating, helically woven, stiff bristled brush. Spring loaded belt drive.
CONTACT POINTS	Tightly woven 11-point contact.
SPIN RATE	Rapid 2000 rpm spin rate.

CUTTING UNITS	
03621	5" (12.7 cm) 8-blade DPA RR cutting unit
03623	5" (12.7 cm) 11-blade DPA FSR cutting unit
03624	5" (12.7 cm) 11-blade DPA RR cutting unit
03618	5" (12.7 cm) verticutter cutting unit

TRACTION UNIT ACCESSORIES	
03645	CrossTrax® All-Wheel Drive Kit
03667	Air-ride Seat Suspension
03614	Golf Ball Guard

TRACTION UNIT SUNSHADE	
30669	Universal Sunshade - White
30671	Universal Sunshade - Red
03248	Switch Panel
03247	Operator Cooling Fan
140-1554	Worklights
138-2699	Beacon
138-2994	Wire Harness

5" (12.7 cm) CUTTING UNIT ACCESSORIES	
03763	Universal Groomer
03772	22" (56 cm) Groomer Cartridge
03767	Grooming Brush Cartridge
03417	Universal Only Weight Kit
03658	Powered rear roller brush for groomers
03413	Weight for cutting units with attachments
03406	Powered rear roller brush only
03411	End Weight Kit
03415	Flex Grass Basket
131-6845	Flex Groomer Rod Kit

BEDKNIFE OPTIONS	
137-6094	EdgeMax™
147-1245	Standard
137-6093	EdgeMax Low Cut
147-1244	Low Cut
147-1257	Standard Tournament Cut (22")
119-4280	EdgeMax Extended Low Cut
147-1243	Extended Low Cut
147-1246	Heavy Duty

SCRAPER OPTIONS	
107-3280	Rear Roller Scraper
107-2993-03	Wiehle Roller Scraper
110-1735	Comb Scraper Kit

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	REELMASTER 5510, MODEL 03964*	REELMASTER 5510-D, TIER 4 DIESEL, MODEL 03954*
ENGINE	Kubota® 4-cylinder, liquid cooled, diesel engine. 35.5 hp (26.5 kW) @ 3000 rpm.	Yanmar® 3-cylinder, liquid cooled, diesel engine. 36.8 hp (27.5 kW), 74.4 ft. lbs. (105 Nm) torque, 1.64 liter displacement.
LUBRICATION	Pressurized lubrication system with 5.0 quart (4.7 liter) capacity.	
FUEL FILTER	Replaceable spin-on fuel filter/water separator.	
AIR CLEANER	Heavy-duty three-stage, radial seal air cleaner with restriction indicator.	
COOLING	Rear mounted radiator with industrial tube and fin construction, 6.5 fins per inch, 7.0 quart (6.6 liter) capacity.	Plate and bar radiator/oil cooler combination, 6.3 fins per inch, 10 quart (9.5 liter) capacity.
FUEL TANK CAPACITY	13.5 gallon (51.1 liter) capacity. Biodiesel-Ready for use up to B-20 (20% biodiesel and 80% petroleum blend).	14 gallon (53 liter) capacity.
HYDRAULIC OIL CAPACITY	9.0 gallon (34.1 liter) capacity.	15 gallon (56.8 liter) capacity.
TRACTION DRIVE	Front drive wheels powered in a parallel circuit by an electronically controlled hydrostatic pump with individual wheel motors. All-wheel drive optional with CrossTrax® All-Wheel Drive system, which transfers power from the front wheels to the opposite rear wheels via independent rear wheel motors.	
GROUND SPEED	0-10 mph (0-16 km/hr) forward transport; 0-8 mph (0-12.8 km/hr) mow; 0-5 mph (0-8 km/hr) reverse transport; 0-4 mph (0-6.4 km/hr) reverse mow.	
TIRES	Front traction tires: 26.5 x 14-12 turf tires Rear steer tires: 20 x 12-10	
MAIN FRAME	High strength steel frame with welded construction.	
BRAKES	Dynamic braking through hydrostatic traction drive. Parking brake is activated when engine is turned off, when operator leaves seat, or by rocker switch.	
STEERING	Rear wheel, power steering with an independent hydraulic pump and circuit.	
GAUGES	InfoCenter™ onboard LCD display shows gauges, alerts/faults, service reminders, electrical system diagnostics, indicates fuel level, coolant temp., low oil pressure, alternator, engine hours, engine rpm, voltage, reel speed, backlap speed, glow indicator (diesel), lift/lower indicator.	
CONTROLS	Single foot-operated traction pedal. Hand-operated key ignition switch, mechanical throttle, cutting unit raise/lower joystick, cutting unit engage switch, parking brake switch, cruise control switch, and LED headlight switch all positioned on right hand pivoting control console.	Single foot-operated traction pedal. Hand-operated key ignition switch, cutting unit raise/lower joystick, cutting unit engage switch, parking brake switch, cruise control switch, and LED headlight switch all positioned on right hand pivoting control console.
ELECTRICAL & INTERLOCKS	Heavy-duty 12-volt battery, 570 CCA, 40 amp alternator. Electronic control unit is a microprocessor based, solid state control unit with diagnostic capabilities. Traction pedal, parking brake, operator presence in seat, and cutting unit engage/disengage safety interlock switches.	Heavy-duty 12-volt battery, 570 CCA, 55 amp alternator. Electronic control unit is a microprocessor based, solid state control unit with diagnostic capabilities. Traction pedal, parking brake, operator presence in seat, and cutting unit engage/disengage safety interlock switches.
REEL DRIVE	Reel drive circuit is split independently for front and rear cutting units. Hydraulic functions controlled by an integrated hydraulic control block. Reel speeds are electronically adjustable in nine incremental settings. Desired clip rate remains consistent as max mow speed is adjusted. Standard on-board backlapping.	
CUTTING UNIT LIFT/LOWER	Front and rear cutting unit lift/lower is sequenced for uniform starting and ending points.	
SEAT	Deluxe high back suspension seat with fore, aft, height and weight adjustment.	
ROPS	Standard with seat belt	
HEIGHT	63" (160 cm) seat top, 85.5" (217.2 cm) top of ROPS.	
LENGTH (2WD)	111" (281.9 cm)	
WHEEL BASE	60" (152.4 cm)	
OPERATIONAL WIDTH	116" (288.3 cm)	
TRANSPORT WIDTH	92" (233.7 cm)	
WEIGHT	3,083 lbs (1,399 kg) (2WD), 3,193 lbs (1,449 kg) (4WD)	3,131 lbs. (1,420 kg) (2WD), 3,241 lbs. (1,470 kg) (4WD)
CERTIFICATION	Complies with ANSI B71.4 and CE requirements. Certain machine configurations require rear weight kits for standards compliance, see Operator's Manual for details.	
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.	

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8 AND 11-BLADE CUTTING UNITS, MODELS 03638, 03639, 03641, AND 03643	
TYPE	5-plex, hydraulically driven, balanced cutting units with adjustable rear weight transfer spring. Cutting units feature quick disconnect for removal/installation and are interchangeable to all positions. Cutting units also feature rear throw capability.
SIZE	22" (56 cm) wide, 7" (17.8 cm) diameter, 8 and 11 blade cutting units.
WIDTH OF CUT	100" (254 cm)
HOC RANGE	8-Blade: 0.5"-2.0" (13-51 mm), 11-Blade: 0.25"- 0.75" (6-19 mm)
REEL SPEED	Manually controlled, variable reel speed for control of clip frequency. Reel speeds are incrementally adjustable between 200-1,650 rpm with a backlap speed of 200 rpm.
BEDKNIFE ADJUSTMENT	Dual Precision Adjustment (DPA), bedknife to reel.
ROLLERS	3" (7.6 cm) diameter, deep groove plastic Wiehle front roller. 3" (7.6 cm) diameter steel rear roller. Other roller configurations optional.

UNIVERSAL GROOMER, MODEL 03763	
TYPE	Forward, Reverse & Neutral. Rotating blades with optional Broomer™ brush strips that are woven within the blade helix for full width turf contact.
GROOMING WIDTH	20.5" (52.1 cm)
GROOMING RANGE	0-0.25" (0-6.4 mm) below height of cut when engaged, 0-0.25" (0-6.4 mm) above height of cut when disengaged.
BLADES	2.5" (6.4 cm) diameter, 0.042" (1 mm) thick heat treated spring steel blades with 0.5" (12.7 mm) spacing.

POWERED REAR ROLLER BRUSH, MODEL 03408	
TYPE	Rotating, helically woven, stiff bristled brush. Spring loaded belt drive.
CONTACT POINTS	Tightly woven 11 point contact.
SPIN RATE	Rapid 2000 rpm spin rate.

CUTTING UNITS	
03638	7" (17.8 cm) 8-blade DPA, RR cutting unit
03639	7" (17.8 cm) 8-blade DPA, FSR cutting unit
03641	7" (17.8 cm) 11-blade DPA, FSR cutting unit
03643	7" (17.8 cm) 11-blade DPA, RR cutting unit
03619	7" (17.8 cm) verticutter cutting unit

TRACTION UNIT ACCESSORIES	
03645	CrossTrax® All-Wheel Drive Kit
03667	Air-ride Seat Suspension
03614	Golf Ball Guard

TRACTION UNIT SUNSHADE	
30669	Universal Sunshade - White
30671	Universal Sunshade - Red
03248	Switch Panel
03247	Operator Cooling Fan
140-1554	Worklights
138-2699	Beacon
138-2994	Wire Harness

7" (17.8 cm) CUTTING UNIT ACCESSORIES	
03768	Universal Groomer
03772	22" (56 cm) Groomer Cartridge
03767	Grooming Brush Cartridge
03418	Universal Only Weight Kit
03659	Powered rear roller brush for groomers
03419	Universal w/RRB Weight Kit
03408	Powered rear roller brush only
03405	Weight for cutting units without attachments
03415	Flex Grass Basket
131-6845	Flex Groomer Rod Kit

BEDKNIFE OPTIONS	
137-6094	EdgeMax™
147-1245	Standard
137-6093	EdgeMax Low Cut
147-1244	Low Cut
147-1257	Standard Tournament Cut (22")
119-4280	EdgeMax Extended Low Cut
147-1243	Extended Low Cut
147-1246	Heavy Duty

SCRAPER OPTIONS	
107-3280	Rear Roller Scraper
107-2993-03	Wiehle Roller Scraper
110-1735	Comb Scraper Kit

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REELMASTER 5610 4WD, MODEL 03966*		REELMASTER 5610-D 4WD, MODEL 03956*
ENGINE	Kubota® 4-cylinder, liquid cooled, diesel engine. 44.2 hp (33 kW) @ 3000 rpm.	Yanmar® 3-cylinder, liquid cooled, turbo-diesel engine. 43.5 hp (32.4 kW), 74.4 ft. lbs. (105 Nm) torque, 1.64 liter displacement. Tier 4 Final Compliant.
LUBRICATION	Pressurized lubrication system with 5.0 quart (4.7 liter) capacity.	
FUEL FILTER	Replaceable spin-on fuel filter/water separator.	
AIR CLEANER	Heavy duty three-stage, radial seal air cleaner with restriction indicator.	
COOLING	Rear mounted radiator with industrial tube and fin construction, 6.3 fins per inch, 10.0 quart (9.5 liter) capacity.	
FUEL TANK CAPACITY	13.5 gallon (51.1 liter) capacity. Biodiesel-Ready for use up to B-20 (20% biodiesel and 80% petroleum blend).	
HYDRAULIC OIL CAPACITY	9.0 gallon (34.1 liter) capacity.	
TRACTION DRIVE	Electronically controlled hydrostatic pump with individual wheel motors. CrossTrax® All-Wheel Drive system standard, which transfers power from the front wheels to the opposite rear wheels via independent rear wheel motors.	
GROUND SPEED	0-10 mph (0-16 km/hr) forward transport; 0-8 mph (0-12.8 km/hr) mow; 0-5 mph (0-8 km/hr) reverse transport; 0-4 mph (0-6.4 km/hr) reverse mow.	
TIRES	Front traction tires: 26.5 x 14-12 turf tires; Rear steer tires: 20 x 12-10.	
MAIN FRAME	High strength steel frame with welded construction.	
BRAKES	Dynamic braking through hydrostatic traction drive. Parking brake is activated when engine is turned off, when operator leaves seat, or by rocker switch.	
STEERING	Rear wheel, power steering with an independent hydraulic pump and circuit.	
GAUGES	InfoCenter™ onboard LCD display shows gauges, alerts/faults, service reminders, electrical system diagnostics, indicates fuel level, coolant temp., low oil pressure, alternator, engine hours, engine rpm, voltage, reel speed, backlap speed, glow indicator (diesel), lift/lower indicator.	
CONTROLS	Single foot-operated traction pedal. Hand-operated key ignition switch, mechanical throttle, cutting unit raise/lower joystick, cutting unit engage switch, parking brake switch, cruise control switch, and LED headlight switch all positioned on right hand pivoting control console.	Single foot-operated traction pedal. Hand-operated key ignition switch, cutting unit raise/lower joystick, cutting unit engage switch, parking brake switch, cruise control switch, and LED headlight switch all positioned on right hand pivoting control console.
ELECTRICAL & INTERLOCKS	Heavy duty 12-volt battery, 570 CCA, 40 amp alternator. Electronic control unit is a microprocessor based, solid state control unit with diagnostic capabilities. Traction pedal, parking brake, operator presence in seat, and cutting unit engage/disengage safety interlock switches.	
REEL DRIVE	Reel drive circuit is split independently for front and rear cutting units. Hydraulic functions controlled by an integrated hydraulic control block. Reel speeds are electronically adjustable in nine incremental settings. Desired clip rate remains consistent as max mow speed is adjusted. Standard on-board backlapping.	
CUTTING UNIT LIFT/LOWER	Front and rear cutting unit lift/lower is sequenced for uniform starting and ending points.	
SEAT	Deluxe high back suspension seat with fore, aft, height and weight adjustment.	
ROPS	Standard with seat belt	
HEIGHT	63" (160 cm) seat top, 85.5" (217.2 cm) top of ROPS.	
LENGTH	111" (281.9 cm)	
WHEEL BASE	60" (152.4 cm)	
OPERATIONAL WIDTH	116" (288.3 cm)	
TRANSPORT WIDTH	92" (233.7 cm)	
WEIGHT	3,213 lbs (1,458 kg)	3,261 lbs (1,480 kg)
CERTIFICATION	Complies with ANSI B71.4 and CE requirements. Certain machine configurations require rear weight kits for standards compliance, see Operator's Manual for details.	
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.	

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8 AND 11-BLADE CUTTING UNITS, MODELS 03638, 03639, 03641, AND 03643	
TYPE	5-plex, hydraulically driven, balanced cutting units with adjustable rear weight transfer spring. Cutting units feature quick disconnect for removal/installation and are interchangeable to all positions. Cutting units also feature rear throw capability.
SIZE	22" (56 cm) wide, 7" (17.8 cm) diameter, 8 and 11 blade cutting units.
WIDTH OF CUT	100" (254 cm)
HOC RANGE	8-Blade: 0.5"-2.0" (13-51 mm), 11-Blade: 0.25"- 0.75" (6-19 mm)
REEL SPEED	Manually controlled, variable reel speed for control of clip frequency. Reel speeds are incrementally adjustable between 200-1,650 rpm with a backlap speed of 200 rpm.
BEDKNIFE ADJUSTMENT	Dual Precision Adjustment (DPA), bedknife to reel.
ROLLERS	3" (7.6 cm) diameter, deep groove plastic Wiehle front roller. 3" (7.6 cm) diameter steel rear roller. Other roller configurations optional.

UNIVERSAL GROOMER, MODEL 03763	
TYPE	Forward, Reverse & Neutral. Rotating blades with optional Broomer™ brush strips that are woven within the blade helix for full width turf contact.
GROOMING WIDTH	20.5" (52.1 cm)
GROOMING RANGE	0-0.25" (0-6.4 mm) below height of cut when engaged, 0-0.25" (0-6.4 mm) above height of cut when disengaged.
BLADES	2.5" (6.4 cm) diameter, 0.042" (1 mm) thick heat treated spring steel blades with 0.5" (12.7 mm) spacing.

POWERED REAR ROLLER BRUSH, MODEL 03408	
TYPE	Rotating, helically woven, stiff bristled brush. Spring loaded belt drive.
CONTACT POINTS	Tightly woven 11 point contact.
SPIN RATE	Rapid 2000 rpm spin rate.

CUTTING UNITS	
03638	7" (17.8 cm) 8-blade DPA, RR cutting unit
03639	7" (17.8 cm) 8-blade DPA, FSR cutting unit
03641	7" (17.8 cm) 11-blade DPA, FSR cutting unit
03643	7" (17.8 cm) 11-blade DPA, RR cutting unit
03619	7" (17.8 cm) verticutter cutting unit

TRACTION UNIT ACCESSORIES	
03667	Air-ride Seat Suspension
03614	Golf Ball Guard

TRACTION UNIT SUNSHADE	
30669	Universal Sunshade - White
30671	Universal Sunshade - Red
03248	Switch Panel
03247	Operator Cooling Fan
140-1554	Worklights
138-2699	Beacon
138-2994	Wire Harness

7" (17.8 cm) CUTTING UNIT ACCESSORIES	
03768	Universal Groomer
03772	22" (56 cm) Groomer Cartridge
03767	Grooming Brush Cartridge
03418	Universal Only Weight Kit
03659	Powered rear roller brush for groomers
03419	Universal w/RRB Weight Kit
03408	Powered rear roller brush only
03405	Weight for cutting units without attachments
03415	Flex Grass Basket
131-6845	Flex Groomer Rod Kit

BEDKNIFE OPTIONS	
137-6094	EdgeMax™
147-1245	Standard
137-6093	EdgeMax Low Cut
147-1244	Low Cut
147-1257	Standard Tournament Cut (22")
119-4280	EdgeMax Extended Low Cut
147-1243	Extended Low Cut
147-1246	Heavy Duty

SCRAPER OPTIONS	
107-3280	Rear Roller Scraper
107-2993-03	Wiehle Roller Scraper
110-1735	Comb Scraper Kit

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TORO

Reelmaster® 7000-D

The Reelmaster 7000-D is a multi-use, heavy-duty reel mower designed for productivity and performance in the most extreme fairway and rough conditions. We started with patented DPA cutting units that manicure your turf and save you time with easy set-up and long-lasting adjustments. Then, we added a 55 horsepower (41 kW) Yanmar® diesel engine, high-torque reel motors, and the SmartCool® auto-reversing fan system so southern grasses and high heat don't stand a chance. Finally, we combined it all with a whopping 126" (320 cm) width-of-cut! This mower has it all – power, productivity, and superior aftercut appearance. By the way, it's also an overseeding monster!



REELMASTER 7000-D, MODEL 03780*		
ENGINE	Tier 4 emission compliant Yanmar® 4-cylinder, liquid-cooled diesel engine, 55 hp (41 kW)	
LUBRICATION	6-quarts (5.7 liters)	
AIR CLEANER	Dry, replaceable primary and safety elements.	
ENGINE COOLING	Rear-mount, aluminum, 6 fins per inch, 9 quart (8.5 liters) capacity.	
FUEL TANK CAPACITY	22 gallons (83 liters) diesel fuel. Biodiesel-Ready for use up to B-20 (20% biodiesel and 80% petrol blend).	
HYDRAULICS/COOLING	8.25 gallon (31.3 liter) capacity with 10 micron remote spin-on filter, aluminum side-mounted cooler. Variable speed hydraulic fan drive with automatic (based on coolant and oil temps) and manual reversing capabilities.	
MAIN FRAME	All welded formed-steel frame with integral tie-down anchors.	
TRACTION DRIVE	Full-time, bi-directional, hydrostatic, closed-loop, 4WD transmission.	
GROUND SPEED	Transport: 0-14 mph (0-22.5 km/h) forward, 0-7 mph (0-11 km/h) reverse. Mow: 0-7 mph (0-11 km/h) forward.	
TIRES	Front: 31x13.5-15, 4-ply turf tire. Rear: 20 x 12-10, 4-ply Multi-Trac tread. 12-15 PSI recommended range.	
BRAKES	Mechanically actuated, internal wet disc brakes. Individual foot-operated steering brake control of left and right wheel or lock pedals together.	
STEERING	Power steering with dedicated power source, tilt steering.	
GAUGES/INDICATORS	Onboard LCD InfoCenter™ display shows alerts, faults, service reminders, electrical systems diagnostics, coolant temp., low oil pressure, alternator, engine hours, engine rpm, voltage, reel speed, backlap speed, glow indicator, lift/lower indicator.	
SEAT	Premium air ride suspension seat with full range of adjustments; retractable seat belt.	
CONTROLS	Ignition switch, LED headlight switch, hand-operated throttle, foot-operated traction pedal, joystick for cutting unit lift, mow/transport selector switch, lockable individual brake pedals, park brake.	
ELECTRICAL & INTERLOCKS	12-volt, 650 CCA battery, 80 amp alternator. Overload protection with automotive type fuses. Interlocks for: starting, operator presence, mowing, transport and parking brake.	
DIAGNOSTICS	Diagnostics pressure test ports: forward and reverse traction, cutting unit circuit 1 & 2, lift, steering, traction charge and fan	
REEL OPTIONS		
DIMENSIONS WITH CUTTING UNITS	All 27" CUs or 32" in the rear Overall length w/cutting units down Transport width Mow width Height w/2-post ROPS	All 32" CUs 136" (345 cm) 94" (239 cm) 121" (307 cm) 87" (220 cm)
WEIGHT	4,300 lbs. (1950 kg) - with full fluids, no cutting units.	
SAFETY CERTIFICATION	Complies with American National Standards Institute (ANSI B71.4-2012) and applicable CE (EN ISO 5395) requirements.	
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.	

Cutting Units*: 27" 8-BLADE, MODEL 03721 27" 11-BLADE, MODEL 03722 32" 8-BLADE, MODEL 03727		
TYPE	Hydraulically driven, with adjustable rear weight transfer spring. Interchangeable to all positions with rear throw capability.	
SIZE	7" (17.8 cm) diameter, 27" (68.6 cm) wide, 8 & 11" blade cutting units and 32" (81.3 cm) 8-blade cutting units.	
WIDTH OF CUT	121" (307 cm) or 126" (320 cm)	
HOC RANGE	0.25"-1.5" (6.4-38.1 mm)	
REEL SPEED	Manually controlled, variable reel speed, incrementally adjustable between 200-1,650 rpm with a backlap speed of 200 rpm.	
BEDKNIFE ADJUSTMENT	Dual Precision Adjustment (DPA), bedknife to reel.	
ROLLERS	3" (7.6 cm) diameter, deep groove plastic front Wiehle roller. 3.0" (7.6 cm) diameter steel rear roller (other roller configurations optional).	

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CUTTING UNITS	
03721	27" 8-Blade DPA Cutting Unit
03722	27" 11-Blade DPA Cutting Unit
03727	32" 8-Blade DPA Cutting Unit
03731	27" Verticutter Cutting Unit

ROLLERS	
137-6121	27" Full Front Roller
137-6127	32" Full Front Roller
119-0630	27" Shouldered Wiegle Roller
119-0640	32" Shouldered Wiegle Roller
119-4286	27" Short Rear Roller
119-4288	32" Short Rear Roller

TRACTION UNIT ACCESSORIES	
03614	Golf Ball Guard

TRACTION UNIT SUNSHADE	
30669	Universal Sunshade - White
30671	Universal Sunshade - Red
03248	Switch Panel
03247	Operator Cooling Fan
140-1554	Worklights
138-2699	Beacon
138-2995	Wire Harness

SCRAPER OPTIONS	
114-9372-03	27" Wiehle Roller
114-9373-03	32" Wiehle Roller
114-9386-03	27" Full Front Roller
114-9387-03	32" Full Front Roller
114-9381-03	27" Shouldered Wiehle Roller
114-9382-03	32" Shouldered Wiehle Roller
114-9368	27" Rear Roller Scraper Kit
114-9369	32" Rear Roller Scraper Kit
114-9376	27" Front Roller Comb/Scraper Kit
114-9377	32" Front Roller Comb/Scraper Kit

BEDKNIFE OPTIONS	
147-1249	27" Standard (Production)
147-1253	32" Standard (Production)
147-1250	27" Heavy-Duty Fairway
147-1254	32" Heavy-Duty Fairway
147-1248	27" Ext. Low Cut Fairway
147-1252	32" Ext. Low Cut Fairway

CUTTING UNIT ACCESSORIES	
03768	Universal Groomer
03778	27" Groomer Cartridge
03418	Universal Only Weight Kit
03242	27" Universal RRB Kit
03419	Universal w/RRB Weight Kit
03405	End Weight Kit
03243	27" Rear Roller Brush Kit (up to 2" HOC only)
03246	32" Rear Roller Brush Kit (up to 2" HOC only)
140-5514	27" Roller Brush (High HOC > 1" on 03186)
140-5513	32" Roller Brush (High HOC > 1" on 03187)
133-8222	27" Broomer Kit
119-0649	27" Collar Kit for Wiehle Roller (6)
119-0649	32" Collar Kit for Wiehle Roller (6)
110-4086	Rear Roller Brush / Groomer Rebuild Kit
114-5430	Roller Rebuild Kit
115-0803	Roller Rebuild Tool Kit

OTHER ACCESSORIES	
117-0975	Rear Bearing Installation Tool
108-6715	HOC Gauge Bar
29-9100	Backlap Brush and Handle
04399	Turf Evaluator

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TORO

Greensmaster® eTriFlex™ 3360 with GeoLink® Mow

NEW

Backed by over a century of golf expertise, Toro's GeoLink® Solutions™ Autonomous Fairway Mower combines the trusted excellence of the TriFlex platform with advanced GeoLink autonomous technology to help golf courses do more with less.

Equipped with GeoLink Mow technology, which allows for manual or autonomous operation, a user can supervise one or more units while performing other work on the golf course.



Greensmaster® eTriFlex™ 3360

with GeoLink® Mow Specifications

POWER SOURCE		GREENSMASTER eTRIFLEX 3360, MODEL 04580AA*
ENERGY CAPACITY		Engine: Kawasaki 14.5 HP (10.8 kW) @3600 rpm, gasoline, air-cooled, twin-cylinder, governed to 2400 rpm, displacement 36.8 cu-inch (603cc). Electrically-actuated choke .Generator: 48V 5400W air cooled brushless permanent magnet motor in parallel with four 12V 33AH AGM batteries (connected in series). Generator is used to start engine
ELECTRICAL SYSTEMS		4.9 gallons (18.5 liter) gasoline
DIAGNOSTICS		48V System for traction motor circuit, steering motor circuit, cutting unit motor circuit and lift / lower actuator circuit. 12V system for primary controls and brake actuator. 24V Safety System and autonomous control system.
POWER STEERING		Advanced machine diagnostics available through the InfoCenter™. Additional autonomous and machine diagnostics available via the GeoLink Mow app.
TRACTION DRIVE		48V electric steering motor with torque feedback device
RDS™ SYSTEM		Positive 2WD traction drive: Two, brushless permanent magnet traction motors coupled to a gearbox. Optional 3WD. (patent-pending).
GROUND SPEED		Radius Dependent Speeds – Clip Rate: Maintains consistent cutting unit clip rate in turns on each individual reel (patented). Wheel Speed Control: Individual wheel speed control during turns (patent-pending). Mowing 0-5 mph (0-8 km/h); Transport 0-10 mph (0-16 km/h); Reverse 0-5 mph (0-8 km/h). Selective slow down feature for turning in mowing mode. Automatic slow down at high transport speeds when turning. Autonomous mowing 0-5 mph (0-8 km/h), transport 0-3.4 mph (0-5.5 km/h), reverse disabled when in autonomous mode.
CUTTING UNIT DRIVE		Three, 48V (1.1 KW), air-cooled brushless permanent magnet motors with separable controller.
CUTTING UNIT LIFT SYSTEM		48V electric linear actuators with fully integrated brushless permanent magnet motor and controller. Fully sealed with splash guard. Center lift actuator drop and raise delay is dependent on machine velocity.
VERTICUTTING		Yes; only in manual mode with appropriately configured cutting units
BACKLAPPING		Standard, on-board and adjustable speed from 200-520 RPM
CONTROLS		Traction Pedal: Forward/Neutral/Reverse; Joystick: Raise/Lower; Function control switch: Neutral, Mow, Transport; Key switch; Steering Arm Lock Pedal; Brake pedal; Parking Brake; InfoCenter; Seat Adjusting Lever; Main Power Connectors; Fuel-Shutoff Valve; Autonomous Mode Engage Switch, and GeoLink Mow application.
INFOCENTER™		InfoCenter: Onboard LCD display shows gauges, alerts/faulst, service reminders, electrical system diagnostics, low oil pressure, alternator, engine hours, engine rpm, voltage, functional control status, parking brake status, reel speed setting, backlap control, clip control, calibration of 48V components.
BRAKES		Traction motor regenerative braking; foot pedal service/parking brake, linear-actuated automatic parking brake.
TIRES/WHEELS/PRESURES		Three, 19x10.5x8, 4-ply rating pneumatic tubeless and demountable. Smooth tread. Tire pressure 12-16 psi (83-110 kPa) front and rear. Optional turf treaded tires
WEIGHT WITH 8-BLADE FAIRWAY CUTTING UNITS		1,855 lbs (841 kg)
NOISE LEVEL (DBA)		Sound Power: 91 db(A) Operator Ear: 73 db(A) Bystander: 25ft – 78 db(A), 50ft – 73 db(A), 100ft – 66 db(A)
GROUND CLEARANCE		3.8" (9.7cm) ground clearance. Three, tie down locations (2 side, 1 rear).
WIDTH OF CUT		59" (150cm)
CUTTING UNIT SUSPENSION		Double A-Arm Suspension utilizing sealed ball joints allows free cutting unit motion in pitch and yaw. Links system for the roll. Lift in Turn: Provides a level cut from side to side of cutting units regardless of turning angle (patented).
QUICK-CONNECT CUTTING UNITS		Snap-on cutting unit and reel motors (no tools required).
OPTIONAL ATTACHMENTS		8, 11, or 14-blade Cutting Units, Groomers, Rear Roller Brushes, Light Kit, Variety of Front Rollers, Thatching Reels, Tri-Roller, Spiker, 3-Wheel Drive Kit, Standard or Premium Seat, Wireless Hour Meter, Bag Kit, Spark Arrestor.
MAINTENANCE		No grease points
OVERALL DIMENSIONS		Width: 73" (185cm) Length: 94" (239cm) (no collection baskets) Height: 83" (211cm) Wheelbase: 49.8" (126.5cm) Minimum Turning Radius to machine center line, manual mode: 35.9" (91cm). Turning radius for autonomous mode: 47.2" (120cm)
WARRANTY		Two-year limited warranty. Refer to the Operator's Manual for further details.

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Greensmaster® eTriFlex™ 3360

with GeoLink® Mow Specifications*

8-BLADE DPA CUTTING UNIT, MODEL 04657	
DPA CUTTING UNITS	Patented design allowing reel/bedknife behind centerline aggressiveness to maintain constant through the service life of the reel.
HEIGHT OF CUT (HOC) RANGE	Cutting height is adjusted on front roller by two vertical screws and held by two locking cap screws, and includes High HOC kit. Bench HOC range is 0.25" – 1.0" (6.4 – 25.4mm). Effective HOC may vary depending on turf conditions and bedknife installed.
REEL WELDMENT	Reels are 5" (13 cm) in diameter, 21" (53.3 cm) in length. EdgeSeries™ Reels blades are welded to 5 stamped steel spiders, and heat treated. The reel is ground for diameter and concentricity, and relief grind.
REEL BEARINGS	Two stainless steel ball bearings, 30 mm inside diameter slip fit onto reel shaft retained by internally splined threaded insert. Low drag seals/slingers for added protection with o-ring sealed motor and counterweight. Reel position maintained by a wave washer with no adjusting nut.
MAINTENANCE	No grease zerks, sealed bearing design eliminates daily maintenance.
REEL DRIVE	The reel weldment shaft is a 1.375" (35 mm) diameter tube with internally splined threaded insert.
FRAME	Precision machined, die-cast aluminum cross member with two bolt-on die-cast aluminum side plates.
BEDKNIFE	Replaceable single-edged, EdgeMax™ fairway bedknife standard.
BEDKNIFE ADJUSTMENT	Dual screw, indexed "click" adjustment to the reel; detents correspond to .0007" (.018 mm) bedknife movement for each position.
FRONT & REAR ROLLERS	Front: Steel High HOC Wiehle Roller and HD scraper. Rear: Steel 2" (5.1 cm) diameter full rear roller and Rear Roller Brush kit.
GRASS SHIELD	Non-adjustable shield and cut-off bar for controlled grass dispersion.
TOTAL WEIGHT	8-blade: 99 lbs (45 kg)

11-BLADE DPA CUTTING UNIT, MODEL 04658	
DPA CUTTING UNITS	Patented design allowing reel/bedknife behind centerline aggressiveness to maintain constant through the service life of the reel.
HEIGHT OF CUT (HOC) RANGE	Cutting height is adjusted on front roller by two vertical screws and held by two locking cap screws, and includes High HOC kit. Bench HOC range is 0.25" – 1.0" (6.4 – 25.4mm). Effective HOC may vary depending on turf conditions and bedknife installed.
REEL WELDMENT	Reels are 5" (13 cm) in diameter, 21" (53.3 cm) in length. EdgeSeries™ Reels blades are welded to 5 stamped steel spiders, and heat treated. The reel is ground for diameter and concentricity, and relief grind.
REEL BEARINGS	Two stainless steel ball bearings, 30 mm inside diameter slip fit onto reel shaft retained by internally splined threaded insert. Low drag seals/slingers for added protection with o-ring sealed motor and counterweight. Reel position maintained by a wave washer with no adjusting nut.
MAINTENANCE	No grease zerks, sealed bearing design eliminates daily maintenance.
REEL DRIVE	The reel weldment shaft is a 1.375" (35 mm) diameter tube with internally splined threaded insert.
FRAME	Precision machined, die-cast aluminum cross member with two bolt-on die-cast aluminum side plates.
BEDKNIFE	Replaceable single-edged, EdgeMax™ Tournament bedknife standard.
BEDKNIFE ADJUSTMENT	Dual screw, indexed "click" adjustment to the reel; detents correspond to .0007" (.018 mm) bedknife movement for each position.
FRONT & REAR ROLLERS	Front: Steel High HOC Wiehle Roller and HD scraper. Rear: Steel 2" (5.1 cm) diameter full rear roller and Rear Roller Brush kit.
GRASS SHIELD	Non-adjustable shield and cut-off bar for controlled grass dispersion.
TOTAL WEIGHT	11-blade: 100 lbs (45.3 kg)



Greensmaster® eTriFlex™ 3360

with GeoLink® Mow Accessories

GREENSMASTER eTRIFLEX ACCESSORIES*

eTRIFLEX TRACTION UNIT ACCESSORIES	
144-3664	Traction Tire, Treaded
04504	3-Wheel Drive Kit
04500	Light Kit
137-7945	Rear Light Kit
121-3660	Left Armrest Kit - Standard
119-7105	Armrest Kit - Premium
137-8098	Spark Arrestor Kit (Gas)
137-8130	Utility Bag Kit
115-4754	Wireless Hour Meter
133-1308	Seat cover

GROOMER OPTIONS	
04648	Universal Groomer Drive
04802	Groomer Reel - Twin Tipped
04270	Grooming Brush, Soft
04271	Grooming Brush, Stiff
04650	Rear Roller Brush Kit (Univ Groomer)

BEDKNIFE & BEDBAR OPTIONS	
115-1880	EdgeMax™ Microcut Bedknife
115-1881	EdgeMax™ Tournament Bedknife
93-4262	Microcut Bedknife
93-4263	Tournament Bedknife
93-4264	Low Cut Bedknife
94-6392	Bedknife - High Cut
108-4303	Extended Microcut Bedknife
108-4302	Extended Tournament Bedknife
137-6097	Bedknife - Fairway
99-3794-OP	DPA Bedbar, Aggressive (optional)
106-2648-01	DPA Bedbar, Less Aggressive (standard)
137-6092	EdgeMax™ Fairway Bedknife
139-4320	EdgeMax™ Short Microcut Bedknife
139-4321	EdgeMax™ Short Tournament Bedknife

OPTIONAL eTRIFLEX ACCESSORIES	
04720	Thatching Reel - TriFlex (set of 1) for model 04580 only
119-1128	Individual dynaBLADE, 2mm thickness
117-6824	Individual dynaBLADE, 1.2mm thickness
117-6839	Replacement dynaBLADE kit, 1.2mm thickness (36 blades)
117-6840	Replacement dynaBLADE kit, 2mm thickness (36 blades)
121-6674	Individual Spring Steel Blade
121-6675	Replacement Spring Steel Blade Kit (36 pcs)
04722	Greens Tri-Roller - TriFlex (set of 1)
04723	Greens Spiker - TriFlex (set of 1)

ROLLER OPTIONS	
04257	Full Roller DPA
04255	Narrow Wiehle Roller DPA
04256	Wide Wiehle Roller DPA
04249	Full Split Roller
04250	Wiehle Split Roller
04628	Solid Steel Roller Kit (Front Wide Wiehle, Rear Full)
71-1550	2" Rear Wiehle Roller (cast iron)
125-5180	Rear Roller Extension Kit
120-9600	High Height of Cut Kit (.35 - .94)
04258	Extended Wiehle Roller
04267	Paspalum Wiehle Roller

TOOLS	
04399	Turf Evaluator
125-5610	Paper - Reel
140-5531	Shim - Reel
94-9010	Height of Cut Bar Assembly

eTRIFLEX DPA CUTTING UNITS	
04651	EdgeSeries™ 8-Blade Cutting Unit
04657	EdgeSeries™ 8 Blade HHOC Cutting Unit (for fairway applications)
04653	EdgeSeries™ 11-Blade Cutting Unit
04655	EdgeSeries™ 14-Blade Cutting Unit

FRONT ROLLER SCRAPER OPTIONS	
125-3503	Narrow Wiehle Roller Scraper
125-3504	Wide Wiehle Roller Scraper
125-3505	Full Roller Scraper
115-7377	Narrow Wiehle Roller Scraper Brush
115-7378	Wide Wiehle Roller Scraper Brush
115-7379	Full Roller Scraper Brush
115-7380	Narrow Wiehle Roller Scraper Comb
115-7381	Wide Wiehle Roller Scraper Comb
115-7382	Full Roller Scraper Comb
107-9561	Anti Bobbing Roller - Scraper Kit (Front and Rear)

REAR ROLLER SCRAPER OPTIONS	
132-0723	RRB Adapter Kit (04650 for RRB only)
04646	Roller Scraper (Spring Loaded)
121-2260	Roller Scraper - Adjustable

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TORO

Turf Pro™ 500/300 & Range Pro™ 100

NEW

From performance and cost savings to more time to focus on the bottom line, the Toro Turf Pro and Range Pro put innovation and efficiency at your command. With GNSS RTK technology, the Turf Pro navigates with precision, enabling it to mow a consistent pattern with minimal overlap. The Range Pro 100 autonomous golf ball picking robot enables you to give your staff other tasks, to extend your opening hours and even to lose fewer balls.

The mobile app allows you to remotely control your robot or fleet of robots. Start or stop your machines at any time from anywhere, receive alerts, create schedules, and automate certain processes.



Turf Pro 500/300



Range Pro 100



Turf Pro™ & Range Pro™ Specifications*

	TURF PRO 500, MODEL 30921 (US or CAN) TURF PRO 500S, MODEL 30922 (US or CAN)	TURF PRO 300, MODEL 30923 (US or CAN)	RANGE PRO 100, MODEL 30931 (US or CAN)
BATTERY TYPE		LiFePO4	
NOMINAL VOLTAGE		25.6 V	
NOMINAL CAPACITY		19.2 Ah	
ENERGY		491.5 Wh	
WORKING TEMPERATURE RANGE	23°F to 140°F (-5°C to 60°C)	Discharge: 23°F to 140°F (-5°C to 60°C) Charge: 37.4°F to 134.6°F (3°C to 57°C)	
AVERAGE WORKING TIME	110 minutes	280 minutes	110 minutes
AVERAGE TIME TO FULL CHARGE		90 minutes	
SECURITY PIN CODE		Yes	
GPS LOCATION		RTK Base Station – Model 30915	
ROBOT MANAGEMENT VIA SERVER & APP		Standard	
MAXIMUM WORKING AREA**	18.5 acres (74,867 m ²)	11.1 acres (44,920 m ²)	11.1 acres (44,920 m ²)
RECOMMENDED WORKING AREA	13.6 acres (55,037 m ²)	8.6 acres (34,803 m ²)	7.4 acres (29,947 m ²)
MOWING/PICKING WIDTH	40.7" (103.3 cm)	25" (63.3 cm)	37.6" (95.6 cm)
WORKING SPEED	2.2 mph (3.6 km/h)	1.7 mph (2.8 km/h)	2.2 mph (3.6 km/h)
MAXIMUM SLOPE	Turf Pro 500: 30% (17°) Turf Pro 500S: 45% (24°)	35% (19.5°)	30% (17°)
NUMBER OF CUTTING HEADS	5	3	N/A
NUMBER OF CUTTING BLADES	15	9	N/A
MINIMUM CUT HEIGHT (STANDARD DISC / LOW HEIGHT DISC)	0.75" / 0.6" (20 mm / 15 mm)		N/A
MAXIMUM CUT HEIGHT (STANDARD DISC / LOW HEIGHT DISC)	3.9" / 3.5" (100 mm / 90 mm)		N/A
ADJUSTMENT OF CUTTING HEADS		Electronic	
MAXIMUM NOISE LEVEL		52 dB	
WEIGHT	Turf Pro 500: 156.5 lbs (71 kg) Turf Pro 500S: 158.7 lbs (72 kg)	105.8 lbs (48 kg)	187.4 lbs (85 kg)
DIMENSIONS (LxWxH)	43.7 x 50.3 x 20.3" (111 x 127.8 x 51.5 cm)	39.4 x 41.1 x 18.3" (100.2 x 104.4 x 46.6 cm)	46.5 x 52.8 x 21.3" (118 x 134 x 54 cm)
SONAR FOR OBSTACLE DETECTION	5		4
RESISTIVE BUMPER FOR COLLISION DETECTION		1	
FRONT LIFT SENSORS	2		N/A
REAR LIFT SENSORS	2		
REAR COLLISION SENSORS	2		
ROLL OVER / TILT SENSORS	1		
CUTTING HEAD DEFLECTORS	(2) 1 on each outer cutting head		N/A
RANGE PRO 100 BALL PICKER			
BASKET CAPACITY		320–350 balls	
MEAN BALL COLLECTION CAPACITY		15,600 balls/day	
MAXIMUM BALL COLLECTION CAPACITY		19,500 balls/day	
PICK UP DISKS		16, anti-friction pick-up discs	
WARRANTY	Limited 2-year Warranty. 1-Year Warranty: Front wheels, front wheel pivots, axles, bearings, cutting head bearings, pantographs, lift jack		

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Actual products offered for sale may vary in use, design, required attachments and safety features. See distributor for details on all warranties.

**Mowing capacity and maximum working area may vary depending on the quality and layout of the terrain and the presence of obstacles.



TORO

Vista® Series

Built for work and designed for comfort, Toro Vista provides transportation across any property with ease. Vista is available in 4, 6, and 8-passenger models. The polar white body and assortment of accessories allow for easy customization no matter the venue. Toro Vista is the perfect choice for any campus, event space, resort, and more. Impress your guests with quick and convenient transportation in the Toro Vista.



4-passenger



6-passenger



8-passenger



	VISTA (ELECTRIC), MODELS 08924, 08924TC, 08926, 08928	VISTA (GAS EFI), MODELS 08914, 08914TC, 08916, 08918
POWER SOURCE	Two HyperCell® Lithium-ion batteries standard, option to add an additional battery	408cc, air-cooled, single cylinder Briggs & Stratton® EFI gasoline engine
CHARGER	On-board high efficiency 900W smart charger AC input voltage 100-240VAC AC input Frequency 50/60 Hz Max input Current 13.4 A	N/A
VALVE TRAIN	N/A	Single Cylinder Overhead Valve
ELECTRIC MOTOR	Brushless high-torque AC Induction Motor with 5.0 kW continuous power	N/A
FUEL SYSTEM	N/A	Electronic Fuel Injection
HORSEPOWER (kW)	6.7 HP (5 kW continuous)	14.0 HP (10 kW)
KEY OR PEDAL START	Pedal start standard	Key and pedal standard
AIR CLEANER	N/A	HD air filter
LUBRICATION	N/A	Splash Lube
COOLING SYSTEM	N/A	Air-cooled
FUEL CAPACITY	N/A	5 gallons (18.9 liters)
FRAME	Welded steel with A-coat primer and powder coat	
BODY AND FINISH	Injection molded TPO	
OVERALL LENGTH	4-passenger: 109" (277 cm) 6-passenger: 140.5" (357 cm) 8-passenger: 172" (437 cm)	
OVERALL WIDTH	44" (112 cm)	
OVERALL HEIGHT (W/O ROOF)	To top of steering wheel: 47.5" (121 cm)	
OVERALL HEIGHT (W/ ROOF)	To top of canopy: 73.9" (188 cm)	
WEIGHT	4-passenger: 890 lbs. (403 kg) including the required canopy kit 6-passenger: 930 lbs. (422 kg) 8-passenger: 1,075 lbs. (487 kg)	4-passenger: 880 lbs. (398 kg) including the required canopy kit 6-passenger: 920 lbs. (417 kg) 8-passenger: 1,065 lbs. (482 kg)
WHEEL BASE	4-passenger: 65.5" (166 cm) 6-passenger: 97" (246 cm) 8-passenger: 128.5" (326 cm)	
INSTRUMENTS/DASH	Display: Battery level indicator, estimated charge time, gear indicator, speedometer, diagnostics/fault codes. Dash: USB power port, headlight switch, on/off/neutral ignition key switch, forward/reverse switch, horn switch, turn signal switch (optional), hazard switch (optional), beacon switch (optional), two-cup holders, storage compartments.	Display: Gear indicator, speedometer, diagnostics/fault codes. Dash: USB power port, headlight switch, on/off/start ignition key switch, forward/reverse lever, horn switch, turn signal switch (optional), hazard switch (optional), beacon switch (optional), two-cup holders, storage compartments.
GROUND CLEARANCE	8.5" (21.6 cm) at the front with no operator 6.2" (15.7 cm) at the rear with no operator	
SEATING CAPACITY	4, 6, or 8-passenger options	
VEHICLE LOAD CAPACITY	4-passenger: 1,010 lbs. (458 kg) total 6-passenger: 1,520 lbs. (689 kg) total 8-passenger: 1,925 lbs. (873 kg) total All totals include 200 lbs. (91 kg) operator and 200 lbs. (91 kg) for each passenger, load, accessories, and attachments.	4-passenger: 1,020 lbs. (463 kg) total 6-passenger: 1,530 lbs. (694 kg) total 8-passenger: 1,935 lbs. (878 kg) total All totals include 200 lbs. (91 kg) operator and 200 lbs. (91 kg) for each passenger, load, accessories, and attachments.
SPEED	16 mph standard (25.75 km/h), adjustable from 5-19 mph (8-30.58 km/h)	16 mph standard (25.75 km/h), speed reduction kits available
STEERING	Rack and pinion	
SUSPENSION	4-wheel independent suspension with adjustable coil over shocks	
SERVICE BRAKE	4-wheel hydraulic disc	
PARKING BRAKE	Automatic parking brake	Foot pedal with accelerator pedal release
TIRES (FRONT & REAR)	205 x 65-10, 6 ply	
STANDARD	LED Headlights, tail/brake lights, fold-down rear seat, back up alarm, horn, canopy + rearview mirror on 4-passenger models.	
OPTIONAL ACCESSORIES	Canopy, folding windshield, turn signals, beacon, side mirrors, rear view mirror, wide angle mirror, wink mirror, cargo bed (light duty), passenger cup holders.	
WARRANTY	Two-year or 1500 hour limited warranty. Lithium-Ion battery 5 years. Refer to the Operator's Manual for further detail.	



TORO

Workman® UTX Series

The Workman UTX is a straightforward, no-nonsense, 4-wheel drive utility vehicle built to stand up to the toughest tests without compromising performance. With standard commercial-grade components, the highest payload in its class, and a proprietary speed control system, it's designed for the rigors of a long work week, not a few hours of recreation on the weekends. The Workman UTX has the muscle to blast through snowdrifts while still maintaining the ability to regulate speed and sound in sensitive areas. To raise the standard further, every Workman UTX features an integrated plow mount, power steering, turn signals, brake lights, and a spray-on bed liner.



	WORKMAN UTX (GAS) MODELS 08100, 08101, 08100TC	WORKMAN UTX (DIESEL) MODELS 08102, 08103, 08102TC		
ENGINE	.998L, inline 4-cylinder, gasoline, 37.1 hp (27.7 kW), liquid-cooled	.993L, inline 3-cylinder, diesel, 24 hp (17.9 kW), liquid-cooled		
STEERING SYSTEM	Power steering standard. Rack and pinion with tilt steering wheel.			
BRAKES	4-wheel hydraulic disk brakes			
SUSPENSION	Front Suspension: MacPherson strut w/ adjustable coils Rear Suspension: Dual a-arm w/ adjustable coils			
GROUND CLEARANCE	9" (22.8 cm) 10" (25.4 cm) with optional tires			
FUEL CAPACITY	8.5 gallons (32.2 liters)			
GROUND SPEED	Forward Ground Speed: 45 mph (72.4 km/h). Adjustable down to 5 mph (8 km/h) Reverse Ground Speed: 15 mph (24.1 km/h). Adjustable down to 5 mph (8 km/h)	Forward Ground Speed: 25 mph (40.2 km/h). Adjustable down to 5 mph (8 km/h) Reverse Ground Speed: 15 mph (24.1 km/h). Adjustable down to 5 mph (8 km/h)		
TRANSMISSION	Continuously Variable Transmission (CVT) w/ clutch enclosure			
GEAR SELECTION	P, R, N, H, L			
DIFFERENTIAL	Selectable electronic locking, front and rear			
TIRES/WHEELS	Front: 25x9-12 on steel wheels (optional: 27x9-14 on aluminum wheels) Rear: 25x11-12 on steel wheels (optional: 27x11-14 on aluminum wheels)			
SEAT BELTS	3-point shoulder			
INSTRUMENTS/DASH	Digital display (system diagnostics, speed, rpm, 4WD indicator, gear selection, fuel level, coolant temperature, hour meter, warning lights)			
DIMENSIONS	Vehicle Configuration 2-Seat with Bed 4-Seat with Bed	Width 60.5" (153.6 cm) 60.5" (153.6 cm) Length 123.5" (313.6 cm) 159.5" (405.1 cm) Height: 79" (200.6 cm) 79" (200.6 cm) Wheel Base 80" (203.2 cm) 116" (294.6 cm)		
CARGO BED SIZE INTERNAL	Loading Dimensions: Width: 56" (142.2 cm) Length: 44.5" (113 cm) Height: 11" (27.9 cm) Total volume: 17.05 ft ³ (1.58 m ³) 2-Seat Capacity: 1,250 lbs (567 kg) 4-Seat Capacity: 1,000 lbs (453.5 kg)			
TOTAL VEHICLE CAPACITY	GVW 4,000 lbs. (1814.3 kg)			
TOWING CAPACITY	2,000 lbs. (907 kg) 2" (5 cm) receiver standard both front and rear			
PLOW MOUNT	Integrated plow mount standard			
LIGHTING	Standard - LED headlights, running lights, turn signals (Optional front and rear worklights)			
WARRANTY	Two-year or 1500 hour limited warranty. Refer to the Operator's manual for further details.			



TORO

Workman® LTX Series

**NEW
COMING SOON**

Built for This. Power Meets Purpose.

The next generation of light-duty utility vehicles is here. The new Workman LTX delivers everything you asked for - power, comfort, and elevated design. Powered by either the Briggs & Stratton® Vanguard® 400 EFI engine or the Toro HyperCell® lithium battery system, the LTX offers standard height, lifted, or extended models to help you tackle your toughest days. With abundant storage, enhanced options, optimal design, and rugged reliability, you don't have to choose between strength and versatility. The Toro Workman LTX provides both because your work deserves the best.



		WORKMAN LTX (GAS EFI), MODELS: 07424, 07424LT, 07424EX		WORKMAN LTX (LITHIUM), MODELS: 07425, 07425LT, 07425EX			
ENGINE / POWER SYSTEM	408cc, air-cooled, single cylinder Briggs & Stratton® EFI gasoline engine.		Two HyperCell® Lithium-ion batteries standard, option to add an additional battery.				
ENERGY CAPACITY	N/A		4.32 kWh standard, 6.48 kWh optional. 55V nominal; 63V Max				
ELECTRIC MOTOR	N/A		Brushless high-torque AC Induction motor with 5.0kW continuous power.				
STEERING	Manual rack and pinion steering system with ergonomically positioned column. Steering wheel has 2.75 turns lock-to-lock with 13.75" (35 cm) diameter.						
TURNING RADIUS	Standard & lifted models: turning clearance circle: 20.7" (6.3 m), inside turning radius: 60.25" (153 cm). Extended models: turning clearance circle: 31" (9.45 m), inside turning radius: 100" (254 cm)						
BRAKES	Front and rear wheel hydraulic disc brakes.						
PARKING BRAKE	Foot pedal with accelerator pedal release.		Automatic parking brake.				
SUSPENSION	FRONT - Modified MacPherson Strut. REAR - Articulating Swing Arm. Adjustable Coil Over Shocks at all four wheels.						
SUSPENSION TRAVEL	Front Suspension Travel: 3.5" (8.9 cm) Rear Suspension Travel: 4" (10.2 cm).						
FUEL CAPACITY	5 gallons (18.9 liters)		N/A				
GROUND SPEED	16 mph (25.6 km/h) governed. Speed reduction kits available.		16 mph (25.6 km/h) standard, adjustable up to 24 mph (38.6 km/h). Setting of 19 mph (30.6 km/h) and greater require ROPs & seatbelt.				
TRANSAXLE	11.47:1 Forward, 14.35:1 Reverse						
GROUND CLEARANCE	Standard height models: Front: 9" (22.8 cm), Rear: 6" (15.2 cm) Lifted models: Front: 12" (30.4 cm), Rear: 7" (17.8 cm)						
TIRES	Standard & extended models: 20 x 8-10, 4-ply. Or alternate 4-ply/6-ply. Lifted models: 22 x 9.5-12, 4-ply. Or alternate 4-ply/6-ply.						
WHEELS	Standard & extended models: 10" (25.4 cm) steel Lifted models: 12" (30.5 cm) aluminum						
STARTER BATTERY	One 12-volt starter battery		N/A				
CONTROLLER	N/A		375 amps max with regenerative motor braking, roll-away protection, thermal cutback, sealed/waterproof, status light and three power modes.				
CHARGER	N/A		On-board high efficiency 900W smart charger. •AC Input Voltage: 100-240 VAC •AC Input Frequency: 50/60 Hz •Max AC Input Current: 13.4 A				
INSTRUMENTS/DASH	LCD display, USB A & C power ports, headlight switch, on/off ignition key switch, horn switch, cup holders, radio holder, and large storage compartments throughout dash.						
STARTING	Pedal or key start capability standard.		Pedal start standard.				
DIMENSIONS	Vehicle Configuration Width Length Height: Wheel Base 2-Seat with Bed (LTX std. ht.) 47" (119.3 cm) 119" (302 cm) 50.2" (127 cm) 77.8" (197 cm) 2-Seat with Bed (LTX Lifted) 47" (119.3 cm) 119" (302 cm) 53.2" (135 cm) 77.8" (197 cm) 4-Seat with Bed (LTX extended) 47" (119.3 cm) 144" (366 cm) 50.2" (127 cm) 114" (290 cm) 2-Seat with 6' Flat Bed (LTX extended) 47" (119.3 cm) 156" (396 cm) 50.2" (127 cm) 114" (290 cm)						
SEAT	Line installed bolstered bench seat, seat, two-tone gray, with embossed Toro bullhorns on seat backs. Weight: 36 lbs. (16 kg)						
CAB DIMENSIONS INSTALLED	Standard height models: Height: 79" (201 cm) Width: 56" (142 cm) Lifted models: Height: 82" (208 cm) Width: 56" (142 cm)						
WEIGHT (NOT INCLUDING BED)	Vehicle Configuration Weight 2-Seat 835 lbs. (379 kg) 2-Seat Lifted 860 lbs. (390 kg) 2-Seat Extended 994 lbs. (451 kg)		Vehicle Configuration Weight 2-Seat 850 lbs. (386 kg) 2-Seat Lifted 875 lbs. (397 kg) 2-Seat Extended 1,011 lbs. (459 kg)				
BEDS	Plastic Cargo Bed: Width: 37" (94 cm) Length: 40" (101.6 cm) Height: 11" (28 cm) Weight: 122 lbs. (55 kg) Capacity: 800 lbs (363 kg) Steel Cargo Bed: Width: 43" (109 cm) Length: 44" (111 cm) Height: 11" (28 cm) Weight: 196 lbs. (89 kg) Capacity: 800 lbs. (363 kg) 6' (1.8 m) Bed w/Sides: Width: 46" (117 cm) Length: 72" (183 cm) Height: 11" (28 cm) Weight: 295 lbs. (133 kg) Capacity: 800 lbs. (363 kg)						
CANOPY DIMENSIONS INSTALLED	Standard height models: Height: 75.2" (191 cm) Width: 54.3" (138 cm) Lifted models: Height: Height: 78.2" (199 cm) Width: 54.3" (138 cm)						
VEHICLE CAPACITY	2-seat with bed 1,200 lbs. (544 kg)						
TOWING CAPACITY	1,500 lbs. (680 kg) Class 1 - 1.25" receiver standard.						
OPTIONAL ACCESSORIES	Canopy, folding windshield, windshield w/ wiper, seat kit for EX models, steel cargo bed, plastic cargo bed, 6-foot flat bed, bed sides, electric bed lift, bed racking, brush guard, brush guard w/ front receiver, trash can mount, ROPS certified cab, cab doors, light options for cab (work lights and beacon), range cage, canopy with ROPS, mirrors, brake/tail/signal lights, back up alarm, under hood storage kit, ram mount ball, 12V power point kit, all-terrain tire kit, telematics kit. Allied accessories: drop-in beverage cart, Kimtek medical bed, Rahn Groomer						
WARRANTY	Two-year or 1500 hour limited warranty. Engine warranty with Briggs - 3-year limited commercial warranty +1-year after registering engine: vanguardpower.com/registration . Refer to the Operator's manual for further details.						

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TORO

Workman® MDX Series

Utility vehicle featuring the Toro® SRQ™ suspension system for superior ride quality that delivers extraordinary stability, traction and operator comfort. SRQ combines with hefty payload and towing capacities to provide enhanced productivity to tackle the toughest jobs.



	WORKMAN MDX, MODEL 07235*	WORKMAN MDX-D, MODEL 07236TC*	
ENGINE	480 cc, air-cooled, two-cylinder, Briggs & Stratton® Vanguard®. Meets 2011 EPA & CARB exhaust & evaporative emissions regulations.	600 cc, liquid-cooled, 2-cylinder, Kubota® diesel. Biodiesel ready for use up to B-20 (20% biodiesel and 80% petroleum blend).	
SRQ™ SYSTEM	Active In-Frame™ twister pivot joint, front and rear suspension.		
FRONT SUSPENSION	Modified MacPherson strut, adjustable coil over shock absorbers.		
REAR SUSPENSION	Trailing arm with adjustable coil over shock absorbers.		
GROUND SPEED	16 mph (25.6 km/h) governed. Optional 20 mph (32 km/h) requires ROPS and seat belts.		
BRAKES	Front wheel hydraulic disc. Rear wheel hydraulic drum.		
STEERING	Manual rack and pinion steering system with ergonomically positioned column. Steering wheel has 2.75 turns lock-to-lock with 13.75" (35 cm) diameter.		
FRAME	Welded steel channel and tube in body construction. Frame surfaces are dipped e-coat. Body and bed constructed of dent and corrosion-resistant polyethylene.		
GROUND CLEARANCE	Front: 10" (25.4 cm), Rear: 7" (18 cm)		
TIRES	Front: 22 x 9.5-10, 4-ply, Rear: 24 x 12-10, 4-ply. Optional all-terrain tires		
FUEL CAPACITY	6.5 gallons (24.6 liters)		
DIMENSIONS	Width 61.2" (155.4 cm)	Length 121.1" (307.5 cm)	Wheel Base 80.4" (204.2 cm)
CAB DIMENSIONS INSTALLED	Height 79.2" (201.1 cm)	Width 64" (162.5 cm)	
CANOPY DIMENSIONS INSTALLED	Height 79.5" (201.9 cm)	Width 61.2" (155.4 cm)	
TURNING CLEARANCE CIRCLE	Inside rear tire: 87" (221), outside front tire: 257" (653 cm).		
INSTRUMENTATION	Hour meter, low oil pressure warning light, accessory power port, and horn. Dash has 2 cup holders, radio holder and glove box storage.	Hour meter, oil pressure, glow plug, coolant temperature, battery charge indicator lights and accessory power port. Dash has 2 cup holders, radio holder and glove box storage.	
STARTING	Pedal start (optional key start)	Key start	
CARGO BED SIZE INTERNAL	Length: 44.5" (113 cm), Width: 49" (125 cm), Height: 10.25" (26 cm), LLDPE resin.		
TOTAL VEHICLE CAPACITY	1,650 lbs. (750 kg)		
CARGO BED PAYLOAD CAPACITY	1,250 lbs. (567 kg)		
TRAILER TOWING CAPACITY	400 lbs. (182 kg) trailer, 50 lbs. (23 kg) tongue weight with standard hitch. 1,200 lbs. (544 kg) trailer, 100 lbs. (45 kg) tongue weight with heavy-duty tow hitch.		
OPTIONAL ACCESSORIES	Canopy, Folding Windshield, Electric Bed Lift, Brush Guard, ROPS, Brake/Tail/Signal Light Kit, Receiver Hitch, BOSS® Plow, Beverage Cart.		
WARRANTY	Two-year or 1500 hour limited warranty. Refer to the Operator's Manual for further details.		

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WORKMAN MDX LITHIUM, 08303 / 08303TC	
POWER SOURCE	Lithium-Ion batteries with integrated Battery Management System (BMS)
ENERGY CAPACITY	8.64 kWh, 55V Nominal; 63V Max
CHARGER	On-board high efficiency 1200W smart charger. •AC input voltage 100-240VAC •AC input Frequency 50/60 Hz •Max input Current 13.4 A
SRQ™ SYSTEM	Active In-Frame™ twister pivot joint, front and rear suspension.
FRONT SUSPENSION	Modified MacPherson strut, adjustable coil over shock absorbers.
REAR SUSPENSION	Trailing arm with adjustable coil over shock absorbers.
GROUND SPEED	16 mph (25.75 kph) standard, adjustable from 5-19 mph (8-30.5 kph)
BRAKES	All wheel hydraulic disc brakes. Integrated automatic parking brake.
STEERING	Rack and pinion steering system with ergonomic steering wheel that includes an integrated clip.
FRAME	Welded steel channel and tube in body construction. Frame surfaces are dipped e-coat and powder coat finished. Body and bed constructed of dent and corrosion-resistant polyethylene.
GROUND CLEARANCE	Front: 10" (25.4 cm), Rear: 7" (18 cm)
TIRES	Front: 22 x 9.5-10, 4-ply, Rear: 24 x 12-10, 4-ply. Mounted on custom aluminum rims.
DIMENSIONS	Length/Width 121" (307.3 cm) / 61" (155 cm). Wheelbase: 81" (205.7 cm).
CANOPY DIMENSIONS INSTALLED	Height/Width: 79.5" (201.9 cm) / 61.2" (155.4 cm)
TURNING CLEARANCE CIRCLE	Inside rear tire: 87" (221 cm), outside front tire: 257" (653 cm)
INSTRUMENTATION	Hour meter, battery level indicator, USB power port, headlight switch, on/off ignition key switch, and parking brake lever. Two cup holders, radio holder, in-dash storage compartments, speedometer, gear indicator, estimated charge time, and diagnostic/fault codes.
STARTING	Pedal start
CARGO BED SIZE INTERNAL	Length: 44.5" (113 cm), Width: 49" (125 cm), Height: 10.25" (26 cm), LLDPE resin
TOTAL VEHICLE CAPACITY	1,650 lbs. (750 kg)
CARGO BED PAYLOAD CAPACITY	1,250 lbs. (567 kg)
TRAILER TOWING CAPACITY	400 lbs. (182 kg) trailer, 50 lbs. (23 kg) tongue weight with standard hitch. 1,200 lbs. (544 kg) trailer, 100 lbs. (45 kg) tongue weight with heavy-duty tow hitch
OPTIONAL ACCESSORIES	Canopy, Windshield, Electric Bed Lift, Brush Guard, ROPS, Brake/Tail/Signal Light Kit, Receiver Hitch
WARRANTY	Two-year or 1500 hour limited warranty. Lithium-Ion battery 5 years. Refer to the Operator's Manual for further details

Power to Get The Job Done.

Toro's proprietary HyperCell™ battery system was specifically developed to meet customer demand and is optimized to deliver exceptional continuous runtime, allowing it to run as long as your crew. At the end of a long workday, the on-board charger conveniently plugs into a standard wall outlet and fully charges the vehicle overnight.



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TORO

Workman® HD Series

The Workman® HD Series is designed with your toughest work challenges in mind, from the front bumper to the rear bumper and everything in between. Design components like an I-beam-shaped DeDion rear axle, a truss-like front space frame, integrated wheel bearings and 4-wheel hydraulic disc brakes provide the highest total towing capacity in the industry and make the Workman ready for the toughest challenges.



	WORKMAN HDX, NO BED, MODEL 07383* WORKMAN HDX, W/BED, MODEL 07384* WORKMAN HDX - 4WD, MODEL 07386* WORKMAN HDX - 4WD, MODEL 07386TC*	WORKMAN HDX - D MODEL 07385* WORKMAN HDX - D MODEL 07385TC* WORKMAN HDX - D - 4WD, MODEL 07387* WORKMAN HDX - D - 4WD, MODEL 07387TC*	WORKMAN HD, MODEL 07369*
ENGINE	Kubota® 972 EFI, 32.5 hp (24.2 kW), 4-cycle, liquid-cooled, 962 cc, 3-cylinder overhead camshaft, counterbalanced gasoline engine. Governed maximum of 32.5 hp at 3600 rpm. Rear engine location direct coupled to a transaxle. 12-volt electric starter. Fuel Injected is a closed loop system with oxygen sensor to adjust air/fuel ratio and manifold pressure sensor to adjust for altitude. Full pressure lubrication with spin-on oil filter.	Kubota 902D, 3-cylinder, inline vertical, 4-cycle, liquid cooled, counterbalanced diesel engine, 23.3 hp (17.4 kW); governed to a maximum speed of 3600 rpm. 58.0 cu. in. (950 cc) displacement. Rear engine location. Direct couple to transaxle. 12-volt electric starter. Full pressure lubrication with spin-on oil filter. Meets EPA Tier IV compliance. Biodiesel ready for use up to B-20 (20% biodiesel and 80% petrol blend).	Kohler Model CH23, 2-cylinder, 4-cycle, air-cooled engine. 23 hp (17.2 kW) at 3600 rpm governed to a maximum speed of 3600 rpm by an internal governor. 41.1 cu. in. (674 cc) displacement. Electronic ignition. Rear engine location direct coupled to a transaxle. 12-volt electric starter. Full pressure lubrication with spin-on oil filter. Meets all EPA & CARB emission standards.
CLUTCH	7.5" (19 cm) clutch and pressure plate		
INSTRUMENTATION	Fuel and coolant temperature gauges. Hour meter. Oil pressure, check engine and battery charge indicator lights. Tachometer and speedometer.	Fuel and coolant temperature gauges. Hour meter. Oil pressure, glow plug and battery charge indicator lights. Tachometer and speedometer.	Fuel gauge, hour meter, oil pressure warning light and battery charge indicator light. Tachometer / speedometer optional.
ALTERNATOR	60 amp with electronic regulator		25 amp with electronic regulator
TIRES	Front: 20" x 9" - 12, 6-ply rating, turf tread Rear: 24" x 12" - 12, 6-ply rating, turf tread		
COOLING SYSTEM	Aluminum radiator with 10 fins per inch dual pass. Right side mounted with removable screen for debris cleaning. Thermal controlled DC electric fan.		Fan forced air.
AIR CLEANER	Remote mounted, heavy-duty 2-stage air cleaner with evacuator valve.		Large capacity, dual element.
CLEARANCE CIRCLE 2WD	Inside = 32 in (81 cm); Outside = 194 in (493 cm)		
CLEARANCE CIRCLE 4WD	Inside = 100 in (254 cm); Outside = 300 in (762 cm)		N/A
FUEL CAPACITY	6 gallons (22.7 liters)		
FUEL PUMP	12V internally regulated 42 psi in-tank	Electronic pump	Diaphragm pump
FUEL FILTER	In tank filter sock. 10 micron polyester depth.	Combination fuel filter / water separator with a 30 micron filtration and 50 mesh suction screen in tank.	In-line 40 micron filter and 50 mesh suction screen in tank.
HORN		Standard, button on dash.	
SOUND LEVEL	75 db(A)**	85 db(A)**	80 db(A)**
VEHICLE SHIPPING WEIGHT	Model 07383: 1623 lbs. (738 kg) Model 07384: 1951 lbs. (887 kg) Model 07386: 2010 lbs. (914 kg) Model 07386TC: 2784 lbs. (1265 kg)	Model 07385: 1956 lbs (889 kg) Model 07385TC: 2730 lbs (1240 kg) Model 07387: 2015 lbs (916 kg) Model 07387TC: 2789 lbs (1268 kg)	Model 07369: 1848 lbs. (840 kg)
VEHICLE ACTUAL WEIGHT W/O FUEL	Model 07383: 1623 lbs. (738 kg) Model 07384: 1951 lbs. (887 kg) Model 07386: 2010 lbs. (914 kg) Model 07386TC: 2091 lbs. (950 kg)	Model 07385: 1956 lbs (889 kg) Model 07385TC: 2037 lbs (926 kg) Model 07387: 2015 lbs (916 kg) Model 07387TC: 2096 lbs (953 kg)	Model 07369: 1848 lbs. (840 kg)
TOTAL CAPACITY	Model 07384: 3249 lbs. (1477 kg) Model 07386: 3190 lbs. (1450 kg) Model 07386TC: 3109 lbs. (1413 kg)	Model 07385: 3244 lbs. (1475 kg) Model 07385TC: 3163 lbs. (1438 kg) Model 07387: 3185 lbs. (1448 kg) Model 07387TC: 3104 lbs. (1411 kg)	Model 07369: 3352 lbs. (1524 kg)
CARGO BED CAPACITY W/200 LB. OPERATOR AND 200 LB. PASSENGER	Model 07384: 2849 lbs. (1295 kg) Model 07386: 2790 lbs. (1268 kg) Model 07386TC: 2709 lbs. (1231 kg)	Model 07385: 2844 lbs. (1293 kg) Model 07385TC: 2763 lbs. (1256 kg) Model 07387: 2785 lbs. (1266 kg) Model 07387TC: 2704 lbs. (1229 kg)	Model 07369: 2952 lbs. (1342 kg)

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**At operator's ear; 3600 rpm with bed and sides installed.



SPECIFICATIONS COMMON TO WORKMAN HD SERIES VEHICLES*				
FRONT SUSPENSION	Independent system with dual "A" frame control arms, dual coil springs and dual shock absorbers with anti-sway bar. Provides 5 3/4" travel.			
REAR SUSPENSION	DeDion rear axle (weight carrying axle) suspension independent of transaxle with dual leaf springs and dual shock absorbers. Provides 3" travel.			
BATTERY	12-volt, group 26, with 540 cold cranking amps at 0 degrees F (-18 degrees C).			
TRANSMISSION	Rear transaxle directly connected to engine, twin axle drive. 3-speed synchromesh (forward speeds only), h-shift pattern with high-low range providing 6 forward speeds and 2 in reverse. Transmission housing doubles as hydraulic reservoir with outlet screen and external filter.			
3RD GEAR HIGH LOCKOUT	Interlock key switch that prevents engine from running in 3rd gear, high range HDX-D. Limits engine RPM to 2,200 in 3rd gear high range (HDX gas).			
DIFFERENTIAL LOCK	Manual engage rear differential lock.			
4WD SYSTEM	Fully automatic on-demand, bi-directional system. Uses dual bi-directional clutches. In event of rear tire slippage, clutches transmit power proportionally to front wheel with highest traction.			
FRAME	Steel space frame front frame and C-channel rear frame.			
STEERING	Hydraulic power steering with steering valve coupled to hydraulic cylinder with thru shaft. Maximum steering angle is 70 degrees on 2WD and 50 degrees on 4WD.			
2-POST ROPS	2-post rollover protective structure and protective back panel bolted to ROPS.			
BRAKES	4-wheel hydraulic disk brake system. 9 1/2" disk with hydraulic service brakes using twin piston floating calipers. Parking brake uses mechanical cable actuated caliper on rear wheels.			
HYDRAULICS	4 gpm (15 lpm) gear pump provides hydraulic flow for power steering and lift in series. Lift control valve with quick disconnects for dual lift cylinders or for attachments when quick disconnects are switched. 8 quart total capacity.			
LIGHTS	Twin halogen headlights and dual taillights actuated by switch on dash. Dual brake lights actuated by brake pedal.			
SEAT BELTS / SEATS	Lap seat belts standard. Bucket seats with adjustable slides to allow for various seat positions. Hip restraint tubes welded to seat mounting straps.			
CONTROLS	Throttle, brake and clutch pedals. Gear shifter, differential lock, parking brake, high-low range shifter and hydraulic lift levers.			
INTERLOCK	To start engine, clutch pedal must be depressed and remote hydraulic lever must be in neutral position. If installed, high flow hydraulics and rear PTO must be disengaged / switched off.			
SAFETY SUPPORT	7-gauge steel channel stores behind seat and fits over extended lift cylinder to prevent accidental lowering of bed.			
GROUND CLEARANCE	7" (18 cm) with no load.			
REAR TOW HITCH	Steel hitch bracket bolted to rear DeDion axle. Mounting plate provides mounting hole for pin or ball hitch and incorporates two safety chain mounting holes. Maximum tongue weight of 600 lbs (272 kg). Maximum trailer weight of 3500 lbs (1587 kg). Trailers over 1500 lbs. require trailer brakes. (Electric Brake Kit available through parts, 117-4837).			
GROUND SPEED	Standard Tires, Gear 1/2/3			
	Forward Speeds:	High Range 7.6/11.5/19.8 mph (12.2/18.5/31.9 km/h) Low Range 2.9/4.5/7.7 mph (4.7/7.2/12.5 km/h)		
DIMENSIONS	Reverse Speeds:	High Range 7.1 mph (11.6 km/h) Low Range 2.8 mph (4.5 km/h)		
	Overall Length 127.6" (324 cm) w/o bed 130" (330 cm) w/full bed	Overall Width 64.7" (164.3 cm)	Overall Height (Top of ROPS) 75.8" (192.5 cm)	Cab Height: 81" (206 cm) Width: 65" (165 cm)
CERTIFICATIONS	Certified to meet SAE J2258. Certified to meet ISO/DIS 21299 for ROPS. Engine meets all applicable emission standards per the manufacturer. Certified to meet the CE Machinery Directive.			
WARRANTY	Two-year limited warranty. See Operator's Manual for further details.			

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WORKMAN VEHICLE ACCESSORIES*	
HIGH FLOW HYDRAULICS KIT	Provides 8 gpm (30.3 liter) at 2000 psi hydraulic flow in a separate circuit to power certain attachments and accessories (standard on TC models). Note: Model 07369 cannot run High Flow Hydraulics Kit.
200 GALLON SPRAYER	200 gallon (757 liter) low profile tank sprayer with diaphragm pump and detachable control box. Three-section, 18.5 ft (5.6 m) open boom system.
TOPDRESSER 1800	18 cu. ft. (.504 cu. m), 1450 lbs (541 kg) capacity conveyor belt style topdresser hydraulically driven by remote hydraulics. 60 in (152 cm) spread width. Workman bed lift cylinders raise topdresser. Spring load metering gate.
TOPDRESSER 2500	25 cu. ft. (.7 cu. m) capacity conveyor belt style topdresser towed by Workman vehicle. Textured belt, oscillating axles and all wheel drive. Electrically activated hydraulic brakes.
PROPASS™ 200 TOPDRESSER	21 cu. ft. / 0.54 cu. m) struck (25 cu. ft. / 0.71 cu. m heaped) capacity spin style topdresser. Tow-behind or bed mount versions.
PRO FORCE® DEBRIS BLOWER	Tow-behind, self-contained engine-driven debris blower operated with a hand-held wireless RF controller. Bed mount kit available.
HARD CAB	Deluxe hard cab, ROPS and CE certified. Vented front glass windshield, interior dome light and a 2-speed windshield wiper. Optional heater and mirrors available.
CAB SLIDING WINDOW DOOR KIT	Door kit for deluxe hard cab. Operator door has a sliding window for ventilation and ability to access exterior elements such as an identification badge security entry. Passenger door has solid window.
CAB REAR VIEW MIRROR KIT	Externally mounted to the cab frame, operator and passenger side rear view mirrors for enhancing all around visibility.
CANOPY	Durable, high-density polyethylene canopy with drainage outlets for moisture runoff.
FOLDING WINDSHIELD	Clear high-impact modified acrylic material with fold down capability.
BRAKE & SIGNAL KIT	Consists of turn signal lights for both corners in the front and rear of vehicle and brighter beam headlights.
WORK LIGHT KIT	Consists of (2) front facing and (1) rear facing work lights all mounted on top of ROPS bar.
ROPS SIGNAL LIGHT KIT	Consists of (2) double amber warning lights and (2) single red tail lights all for mounting on top of ROPS bar. Requires either a "Right Side" or "Left Side" light kit.
REAR PTO KIT	Rear mounted, 540 RPM, PTO shaft mechanically driven by transaxle.
HAND THROTTLE	Throttle and speed limit control that provides constant RPM for stationary attachments or a controlled maximum speed for applications such as spraying or spreading (mechanical – HDX/HD & electric – HDX gas models).
SPARK ARRESTOR	Fits onto end of tailpipe.
PLASTIC BED LINER	A rugged, weatherproof one-piece plastic liner and separate tailgate liner that will protect either a full are bed with sides or a 2/3 bed with sides.
HIGH AIR INTAKE KIT	Kit for extending the air intake system from underneath the cargo bed to a position slightly above the ROPS shield behind the passenger position of the vehicle. Recommended for dusty work applications.
REAR VIEW MIRROR KIT	A single 8 1/2" (21.6 cm) convex mirror with mounting capability on either the operator or passenger side of the vehicle.
2" RECEIVER HITCH KIT	Provides a 2" square receiver to enable a "drawbar" hitch.
TRAILER BRAKE WIRING KIT	Kit provides a controller which plugs into Workman vehicle and a positive wire to assist the hook up of customer supplied electric trailer brakes.
TRAILER SIGNAL WIRING KIT	Kit provides electrical wire for Workman vehicle to enable easy hook up to customer supplied trailer signal and brake lights.
REMOTE HYDRAULIC MANIFOLD KIT	Hydraulic manifold kit that provides to ability to switch hydraulics between cargo bed actuation and remote port usage via use of a operator panel mounted switch.
REMOTE HYDRAULIC FLOAT KIT	Hydraulic float kit that enables both hydraulic lifting and "float" in the down position. Required when using a Deere TC125 sweeper.
4WD MANUAL CONTROL	Allows auto 4WD to be turned off.
4 POST ROPS CANOPY KIT	Canopy for use with 4-post ROPS kit.
4 POST ROPS KIT	Connects standard 2-post ROPS to 4-post ROPS. Required with 200-gallon sprayer.
HEATER KIT	Heater for use with cab. Adjustable temperature and 2-speed fan (excludes HD).
BACK UP ALARM KIT	Provides an audible alarm when vehicle is in reverse.
BOSS® SNOW ACCESSORIES	5' (1.52 m) BOSS Plow, VBX3000 Box Spreader.

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SPRAYER SPECIFICATIONS	
SOLUTION TANK	High-density, impact-resistant polyethylene with large 16" (41 cm) fill opening, tapered bottom and sump with drain.
RATED CAPACITY	200 gallons (757 liters).
SPRAY PUMP	Hardi 364/10.0, 6-diaphragm positive displacement pump w/1" (2.5 cm) input shaft; input speed 0-540 rpm; Flow rate 45 gpm (170.3 lpm) @ 40 psi (540 rpm).
AGITATOR	4, side-mounted jet agitation nozzles for full tank agitation.
CONTROLS	Spray pump control switch, agitator jet switch, rate switch, individual boom On/Off switches, boom actuator switches, indicator lights on pump, agitation and boom switches, throttle lock.



OPEN BOOMS (STANDARD)	
BOOM ASSEMBLY	18.5' (5.6 m) three section, triangular truss style open booms. Optional 20.5' (6.25 m) booms available.
BOOM ACTUATORS	Heavy Duty hydraulic lift actuators with nitro-steel plated shafts; 1-3/4" Bore x 10.06" Stroke.
SPRAY NOZZLES	Eleven nozzle turrets, triple turret-mount, quick-disconnect with diaphragm check valves. Twelve nozzle turrets with optional kit.

MULTI PRO WM ACCESSORIES	
NOZZALERT™	Monitors flow at each individual nozzle position, alerting the operator to flow deviations caused by worn, broken, clogged, or missing nozzles.
PRO FOAM™ MARKING KIT	Foam dollops ensure accurate parallel path tracking. Select foam for either boom or both.
PRO FOAM	1 gallon (3.8 L) bottle of Pro Foam Concentrate.
CLEANLOAD™ EDUCTOR KIT	This on-board mixing station allows rapid and safe loading of any chemical without the need to first mix into a slurry. Incorporates a built-in bottle wash nozzle and has an optional suction lance to pull in powdered or liquid products from their container. Stores within the width of the machine.
FRESH WATER RINSE KIT	Simplifies and automates the triple-rinse process, saving hours and hours of clean up time.
ELECTRIC HOSE REEL KIT	150' (45.7 m) of hose for hand or walk spraying applications. Convenient electric powered rewind. Spray gun has an adjustable nozzle from stream to fan.
PRO FOAM™ MARKING KIT	Foam dollops ensure accurate parallel path tracking. Select foam independently or both simultaneously.
ULTRA SONIC BOOM™ KIT	New sonar sensors automatically maintain proper spray height over undulating turf.
COVERED BOOM KIT	Extends 12" (30.5 cm) below the boom to minimize chemical drift in breezy conditions while retaining full boom system functionality.
AIR INDUCTION TURBO TWIN JET NOZZLES	Exclusive to Toro in the 0.8 gpm (3.02 lpm), 1.0 gpm (3.79 lpm) and 1.5 gpm (5.68 lpm) sizes, for exceptional contact coverage.
CONTACT & SYSTEMIC NOZZLES	Select the right nozzle for your application by using the new Multi Pro Nozzle Selection Brochure - available via Toro.com

WARNING

THE WORKMAN® IS AN OFF-HIGHWAY VEHICLE, AND IS NOT DESIGNED, EQUIPPED, OR MANUFACTURED FOR USE ON PUBLIC STREETS, ROADS OR HIGHWAYS.

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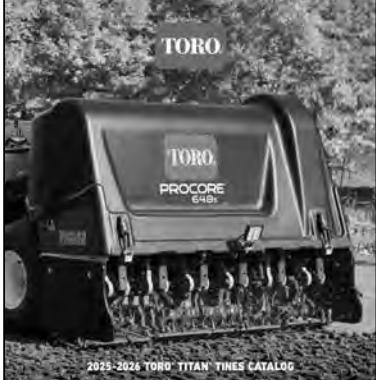
TORO

ProCore® 648s

The ProCore 648s builds on the tremendous legacy of the ProCore 648 by incorporating proven technology and even more innovative features while preserving the time tested design elements that changed the way you aerate. Revised controls improve ergonomics and allow single handed operation. Hole spacing and true tine depth are now set and saved in the InfoCenter.™ The onboard controller is continuously monitoring key operating parameters to improve after aeration turf condition and allow the operator to easily target coring head drop and raise. A tighter turning radius with reduced wheel scrubbing and the ability to easily increase speed during turns increases productivity. Proven reliability, improved performance and exciting innovation – that's what makes the ProCore 648s the new superior choice.



PROCORE 648S, MODEL 09960		PROCORE 648S, MODEL 09960C (CARB – CALIFORNIA ONLY)	
ENGINE	Kohler®, 2-cylinder, air-cooled, 23 hp (17.1 kW) gross, 19 hp (14.2 kW) net @ 3000 rpm, 41 cu-in. (674 cc) displacement. Dry, large capacity, replaceable element air filter. External spin-on oil filter, 2-quart (1.9-liter).	Kohler®, 2-cylinder, air-cooled, 26.5 hp (19.7 kW) gross @ 3,400 rpm, 45 cu-in. (747 cc) displacement. Dry, large capacity, replaceable element air filter. External spin-on oil filter, 2-quart (1.9-liter).	
FUEL CAPACITY	7.5 gallons (28.4 liter), gasoline.		
ELECTRICAL	12-volt, 15 amp regulated charging alternator/generator. BCI Group No.: U1 battery, 300 cold cranking amps @ 0°F. Micro-processor logic control.		
DRIVETRAIN	Series-Parallel, closed loop, hydrostatic drive. 3WD, except it automatically switches to 2WD while in aeration mode and traveling in forward direction with coring head raised allowing a tighter turning radius. Electronically controlled variable displacement piston type pump. High-torque, low-speed wheel motor drive.		
HYDRAULIC SYSTEM	Remote spin-on filter. 3.0- gallon (13.2 liter) capacity, Toro PX Extended Life hydraulic fluid.		
CONSTRUCTION	Welded steel frame with cast crank and arm assembly.		
TIRES	20 x 10-10, 2-ply rated, smooth tread, tubeless, inflated to 12 psi, de-mountable rims.		
BRAKES	Dynamic braking through hydrostatic transmission. Parking brake actuated when steering handle is raised into storage position.		
GROUND SPEED	Transport Mode: Forward: 0-4.5 mph (0-7.2 km/h), variable Reverse: 0-2.0 mph (0-3.2 km/h), variable	Aeration Mode: Forward: 0-2.5 mph (0-4.0 km/h), variable Reverse: 0-2.0 mph (0-3.2 km/h), variable	Aeration Forward Spacing: 1-4.5" (2.5-11.3 cm) in 0.25" (5mm) increments 1" (2.5 cm) spacing: 0.51 mph (0.8 km/h) 2" (5.0 cm) spacing: 1.03 mph (1.65 km/h) 3" (7.5 cm) spacing: 1.54 mph (2.46 km/h) 4" (10.0 cm) spacing: 2.06 mph (3.30 km/h)
INSTRUMENTATION	InfoCenter™, tachometer.		
CONTROLS	Redundant operator presence bails, aeration start/stop bails and traction speed thumb wheels on handle. Tine length calibration, tine depth and forward hole spacing set and saved in InfoCenter. Bump stop, delayed or immediate drop switch, cruise control on/set/off switch, aerate or transport switch and optional LED light kit switch located on operator console. Ignition, tachometer on side console. Throttle and choke (09960 only) on engine.		
INTERLOCKS	Operator presence, clutch latch, traction neutral, coring head raise/lower.		
LENGTH	Handle Down: 116.3" (293.1 cm)	Handle Raised: 91.8" (231.3 cm)	
WIDTH	50.12" (127.3 cm)		
HEIGHT	Head Raised: 45" (114.3 cm)	Head Lowered: 36.5" (92.7 cm)	
WHEELBASE	44.5" (113 cm)	45.5" (116 cm)	
TRACK WIDTH	38.3" (97.3 cm)		
WEIGHT	1,642 lbs (744.7 kg)	1,644 lbs (745.7 kg)	
GROUND CLEARANCE	4.75" (12.1 cm)		
CERTIFICATION	ANSI B71.4-2017, CE & EU machinery directives.	ANSI B71.4-2017, CE & EU machinery directives. Meets all EPA & CARB emission standards.	
WARRANTY	Two-year or 500 hour limited warranty. Refer to the Operator's Manual for further details.		

TINE HEADS			
	Model	Description	Lateral Spacing
	09739	Needle Tine	1.6" (2.8 cm)
	09736	Mini-Tine (2 rows of 5)	1.6" (2.8 cm)
	09737	Mini-Tine (1 row of 6)	1.3" (3.3 cm)
	09794	3 Tine 3/4"	2.6" (6.8 cm)
	09796	4 Tine 3/4"	2" (5.1 cm)
	09797	3 Tine 7/8"	2.6" (6.8 cm)
	09719	QuickChange® 4-Tine	2" (5.1 cm)
			Mount Diameter
			N/A
			3/8"
			3/8"
			3/4"
			3/4"
			7/8"
			3/4" or 7/8"
ACCESSORIES			
	Model	Description	Part Number
	09962	LED Light Kit, ProCore 648s	114-0590-01
	09220	Windrower Kit	115-4754
	09225	Tire Scrapers	
	09234	Rear Roller Kit	
			Description
			QuickChange® Tool
			Wireless Hour Meter
TINES			
Over 100 Titan Tines in multiple varieties available from Toro. See the Toro Titan Tines Catalog or visit toro.com/titantines			

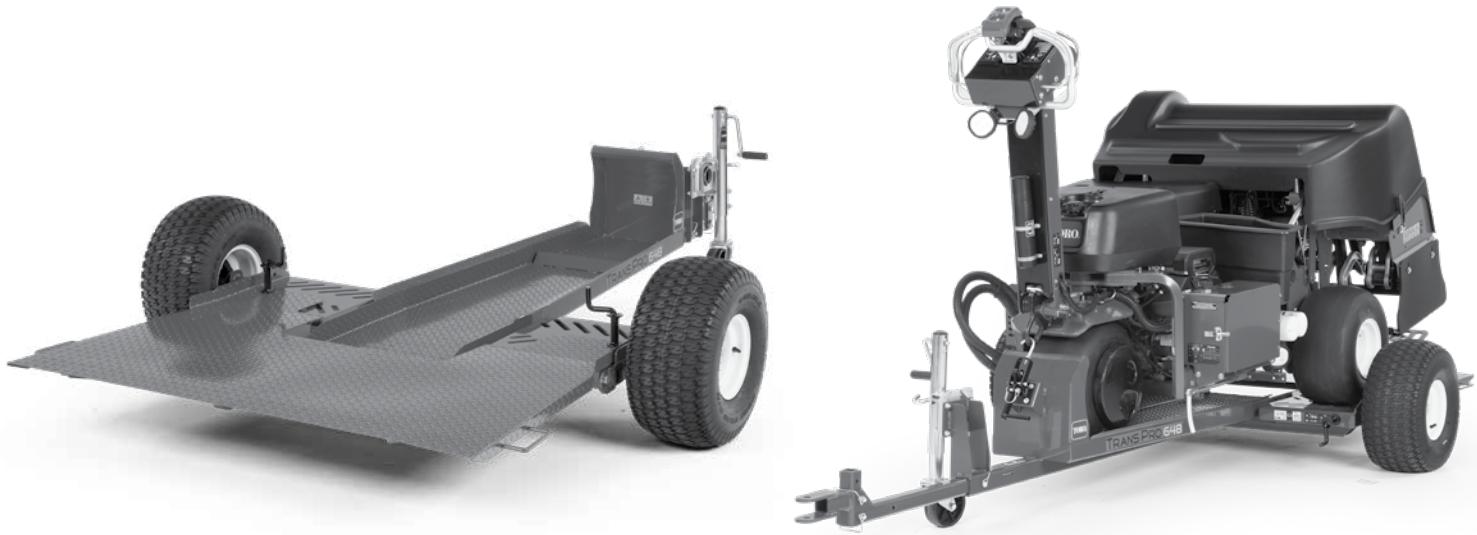
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TORO

TransPro® 648

Easily transports ProCore 648s and ProCore 648 to and from the work area.



TRANSPRO 648, MODEL 09964*	
LOAD CAPACITY	1,850 lbs. (839 kg)
SUSPENSION	Large low pressure tires (20 x 10-8)
TRANSPORT SPEED	Maximum of 15 mph (24 km/h)
RAMP	Textured ramp design. Automatically raises during loading
HITCH	Pin type hitch is standard; tongue is 2.5" (6.4 cm) square and adjustable in height and length
TOWING	Tow Vehicle Requirement: 2,250 lbs. (1020.6 kg)
TIE DOWN METHOD	Over-Center style quick latch
AXLE	Heavy-duty stub axle. Greaseable
DIMENSIONS	Height: 21" (53.3 cm) Width: 73.8" (187.5 cm) Length (Extended): 150" (380.6 cm), Retracted: 123.6" (313.9 cm)
TRAILER WEIGHT	382 lbs. (173 kg)

TRANSPRO 648 ACCESSORIES	
161-3721	ProCore 648 Latch Adapter Plate (Recommended for those using both ProCore 648 and 648s)

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ProCore® 864 & 1298

The same ground-breaking technology that allowed the ProCore 648 to revolutionize greens aeration is available for large-scale applications in the ProCore 864 and 1298. Aerate fairways and sports fields in efficient 64" (163 cm) and 98" (249 cm) swaths with the smooth operation and precision performance you demand. You've never used a tractor-mounted aerator quite like it.



ProCore® 864 & 1298 Specifications

	PROCORE 864, MODEL 09715*	PROCORE 1298, MODEL 09716*
AERATION WIDTH	64 inches / 163 cm	98 inches / 249 cm
AERATION DEPTH	5 inches / 12.7 cm maximum**	5 inches / 12.7 cm maximum**
TRACTOR SIZE	30 HP @ PTO minimum 35 HP @ PTO recommended	40 HP @ PTO minimum 50 HP @ PTO recommended
TRACTOR CONNECTION	3-point Category 1 or 2	3-point Category 2
TRACTOR PTO	540 RPM	540 RPM
FORWARD HOLE SPACING (TRACTOR DEPENDENT)	Variable up to 4.5 inches / 11.4 cm	Variable up to 4.5 inches / 11.4 cm
LATERAL HOLE SPACING (TINE HEAD DEPENDENT)	1.3 - 2.6 inches / 3.3 - 6.6 cm	1.3 - 2.6 inches / 3.3 - 6.6 cm
NUMBER OF TINE HEADS	8	12
OVERALL WIDTH	67 inches / 170 cm	101 inches / 256.5 cm
HEIGHT	38.5 inches / 98 cm	38.5 inches / 98 cm
LENGTH	35 inches / 89 cm	35 inches / 89 cm
WEIGHT	1575 lbs / 714 kg	2300 lbs / 1043 kg
CERTIFICATION	ANSI B71.4-2017, CE and EU machinery directives	
WARRANTY	Two-year or 500-hour limited warranty. Refer to Operator's Manual for further details	

TINE HEADS*

Model	Tine Heads:	Lateral Spacing	Mount Diameter
09737	Mini Tine Head (1 row of 6)	1.3"	3/8" (10 mm)
09736	Mini Tine Head (2 rows of 5)	1.6"	3/8" (10 mm)
09739	Needle Tine Head	1.6"	5 mm or 8 mm
09794	3 Tine Head	2.6"	3/4" (19 mm)
09796	4 Tine Head	2.0"	3/4" (19 mm)
09797	3 Tine Head HD	2.6"	7/8" (22 mm)
09719	QuickChange® 4-Tine	2.0" (5.1 cm)	3/4" (19 mm) or 7/8" (22 mm)

PRODUCTIVITY RATES*

Tractor Speed mph (km/hr)	Spacing Forward Hole Spacing	ProCore 864		ProCore 1298	
		sq. ft. / hr. (sq. m / hr.)			
0.5 (0.8)	1.0" (25 mm)	14,400 (1,338)		22,050 (2,049)	
0.8 (1.2)	1.5" (38 mm)	21,600 (2,007)		33,075 (3,073)	
1.0 (1.6)	2.0" (51 mm)	28,800 (2,676)		44,100 (4,097)	
1.3 (2.1)	2.5" (64 mm)	36,000 (3,345)		55,125 (5,121)	
1.5 (2.5)	3.0" (76 mm)	43,200 (4,013)		66,150 (6,146)	
1.8 (2.9)	3.5" (89 mm)	50,400 (4,682)		77,175 (7,170)	
2.0 (3.3)	4.0" (102 mm)	57,600 (5,351)		88,200 (8,194)	
2.3 (3.7)	4.5" (114 mm)	64,800 (6,020)		99,225 (9,218)	

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**Hole depths greater than 4 inches can only be achieved with 6.5 inch length tines and with turf holders removed. Some degradation in hole quality may be observed in this configuration.



TORO

ProCore® SR Series

With its fast, efficient performance, Toro's deep-tine aeration line relieves pressure-packed soil with unsurpassed hole quality. The deep-tine aerators vary in width from 54" to 73" (137 to 185 cm) and varies in depth capability from 1" to 16" (2.5 to 40.6 cm) allowing you to perform any aeration task.



ProCore® SR Series Specifications

	PROCORE SR54 MODEL 09931*	PROCORE SR54-S MODEL 09932*	PROCORE SR70 MODEL 09933*	PROCORE SR70-S MODEL 09934*	PROCORE SR72 MODEL 09935*
WEIGHT WITH PTO & TOP LINK	1,165 lbs. (528 kg)	1,250 lbs. (567 kg)	1,500 lbs. (681 kg)	1,655 lbs. (750 kg)	2,091 lbs. (945 kg)
WORKING WIDTH	54" (1.37 m)	54" (1.37 m)	73" (1.85 m)	73" (1.85 m)	72" (1.83 m)
WORKING DEPTH (ADJUSTABLE)	1" - 10" (25-250 mm)	1" - 10" (25-250 mm)	1" - 10" (25-250 mm)	1" - 10" (25-250 mm)	1" - 16" (25-406 mm)
HOLE SPACING	2.5" - 4" (64-102 mm)	2.5" - 4" (64-102 mm)	2.5" - 4" (64-102 mm)	2.5" - 4" (64-102 mm)	3" - 6" (75-150 mm)
PRODUCTIVITY	36,000 sq.ft./hr. (3,345 sq. m/hr.)	36,000 sq.ft./hr. (3,345 sq. m/hr.)	48,000 sq.ft./hr. (4,460 sq. m/hr.)	48,000 sq.ft./hr. (4,460 sq. m hr.)	38,000 sq.ft./hr. (3,530 sq. m hr.)
RECOMMENDED TRACTOR SIZE	16-18 HP	18 HP	25-35 HP	25-35 HP	45 HP
RECOMMENDED LIFT CAPACITY	1,200 lbs. (682 kg)	1,500 lbs. (682 kg)	1,700 lbs. (773 kg)	1,800 lbs. (817 kg)	2,800 lbs. (1,270 kg)
RECOMMENDED COUNTER WEIGHT	150 lbs. (70 kg)	150 lbs. (70 kg)	250 lbs. (115 kg)	250 lbs. (115 kg)	300-500 lbs. (135-225 kg)
RECOMMENDED PTO SPEED	400-500 rpm	400-500 rpm	400-500 rpm	400-500 rpm	400-500 rpm
ACTUAL WORKING SPEED @ 400 PTO RPM (VARIES WITH HOLE SPACING)	1.5 -2.5 mph (2.41 - 4.02 kph)	1.5 -2.5 mph (2.41 - 4.02 kph)	1.5 -2.5 mph (2.41 - 4.02 kph)	1.5 -2.5 mph (2.41 - 4.02 kph)	0.8 -1.5 mph (1.29 - 2.41 kph)
LIFT SYSTEM	Std. 3-point	Std. 3-point	Std. 3-point	Std. 3-point	Std. 3-point
CERTIFICATION	ISO 4254-5:2008. CE and EU machinery directives				
WARRANTY	Two-year or 500-hour limited warranty. Refer to Operator's Manual for further details				

PROCORE SR SERIES ACCESSORIES*	
REAR ROLLER OPTIONS	
09952	Rear Roller Kit for ProCore SR54 / SR54S
09953	Rear Roller Kit for ProCore SR70 / SR70S
09954	Rear Roller Kit for ProCore SR72

NOTE:**S Models (SR54-S & SR70-S):**

- Roller Design:** Dual roller design for improved balance and ground-following performance, helping maintain consistent tine depth on uneven terrain.
- Depth adjustment:** Manual, spring-loaded top link for depth adjustment.

Non-S Models (SR54, SR70, SR72):

- Roller design:** Single roller design.
- Depth adjustment:** Hydraulic top link system allows tine depth adjustments from the tractor seat, offering more flexibility and convenience in varying soil conditions.

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Turf Aerators 686 & 687

The 686 and 687 Turf Aerators give excellent depth performance and follow ground contours, vertically and horizontally, like no other aerator available.



	TURF AERATOR 686, MODEL 44856*	TURF AERATOR 687, MODEL 44867*
CAST WHEELS	3 sets of 4, each set moves independently. 70 lbs. (32 kg), 13" (33 cm) diameter.	
AERATING SWATH	78" (198 cm)	78" (198 cm)
TINES	Choice of 1/2" (12.7 mm) or 3/4" (19 mm) open or closed tines. 4" (10 cm) and 6" (15 cm) slicing blades.	
PATTERN	6" (15 cm) forward, 3" (8 cm) lateral	
HITCH	Drop pin, tow type with hydraulic cylinder for lift, hand pump standard.	3 pt., Category 1.
OPERATING SPEED	1-10 mph (1.6-16.1 km/h)	1-10 mph (1.6-16.1 km/h)
LENGTH	78" (198 cm)	48" (122 cm)
WIDTH	90" (229 cm)	82" (208 cm)
HEIGHT	Approx. 40" (102 cm)	Approx. 40" (102 cm)
OPTIONS	Tractor Remote Kit, Model 68-608-3521. Jack.	N/A
INCLUDED ACCESSORIES	Weights: 10 lbs. (4.5 kg) each, 8 maximum per coring head. Additional weights can be added.	
SHIPPING WEIGHT	1,420 lbs. (644 kg)	1,300 lbs. (590 kg)
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.	

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Topdresser 1800

An 18 cubic foot (509 cubic liters), bed-mounted topdresser that is durable, flexible and delivers an even rate of application – whether a light or heavy topdressing application is desired.



TOPDRESSER 1800, MODEL 44225*

HOPPER CAPACITY	18 cu. ft. (509 liter) or 1,476 lbs. (669.5 kg)				
SPREADING WIDTH	60" (152 cm)				
TOPDRESSING SPEED	Up to 8 mph (12.8 km/h).				
TRANSPORT SPEED	Up to 12 mph (19.3 km/h).				
CONVEYOR BELT	Seamless 60" (152.4 cm) wide belt, polyester mono-filament interwoven material w/vulcanized PVC "v-pattern" traction surface.				
METERING GATE	Infinitely variable from closed to 3.5" (8.9 cm) opening for light to heavy applications. Flexible edge and spring release.				
CONTROLS	Hydraulic engage/disengage lever from operators console.				
DRIVE	Remote hydraulic from utility vehicle.				
DIMENSIONS /WEIGHT	<table><tr><td>Height 43" (109 cm)</td><td>Length 52" (132 cm)</td><td>Width 72.5" (184 cm)</td><td>Shipping Weight 893 lbs. (405 kg)</td></tr></table>	Height 43" (109 cm)	Length 52" (132 cm)	Width 72.5" (184 cm)	Shipping Weight 893 lbs. (405 kg)
Height 43" (109 cm)	Length 52" (132 cm)	Width 72.5" (184 cm)	Shipping Weight 893 lbs. (405 kg)		
WARRANTY	Two-year limited warranty. Refer to operator's manual for further details.				

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Topdresser 2500

This 25 cu. ft. (698 liter) Topdresser gives you precise control and consistently delivers an even application—whether light or heavy topdressing is desired.



TOPDRESSER 2500, MODEL 44507*

HOPPER CAPACITY	25 cu. ft. (707 liter) or up to 2,050 lbs. (929.8 kg).			
SPREADING WIDTH	60" (152 cm)			
TOPDRESSING SPEED	Variable to desired application rate. 2-8 mph (3.2-12.8 km/h).			
TRANSPORT SPEED	Up to 12 mph (19.3 km/h). Optional brake kit available.			
CONVEYOR BELT	Seamless 60" (152 cm) wide belt, polyester mono-filament interwoven material w/vulcanized PVC "v-pattern" traction surface.			
METERING GATE	Infinitely variable from closed to 3.5" (8.89 cm) opening for light to heavy applications. Flexible edge and spring release.			
CONTROLS	12-volt on/off switch at operator's position to engage conveyor and brush. Metering gate runs full width in front of brush.			
DRIVE	Hydraulic with chain driven pumps. Belt motor with chain reduction. Brush motor direct drive. Electric hydraulic solenoid control to activate topdress motors. Closed loop hydraulic system with charge pump and 25 micron filtration.			
TIRES	(4) 18 x 10.5-8, 4-ply ribbed, high floatation turf tires on oscillating axle sets.			
DIMENSIONS /WEIGHT	Height 43" (109 cm)	Width 72.5" (184 cm)	Overall Length 97.5" (247.6 cm)	Shipping Weight 1,454 lbs. (659.5 kg)
WARRANTY	Two-year limited warranty. Refer to operator's manual for further details.			
Maximum Weight 3,500 lbs. (1,587.5 kg)				

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ProPass™ 200

The ProPass 200 Series broadcast-style topdressers provide the ultimate in application versatility. Intuitive color-coded adjustment settings deliver extremely accurate spread patterns from ultra-light dustings to ultra-heavy aeration filling applications. The four-wheel, walking-beam suspension means a light footprint that is easy on the most sensitive turf. If you are looking for one topdresser to do it all – the ProPass 200 is the only one. Choice of bed-mounted or trailer configurations and manual or wireless controls.



PROPASS 200, MODEL 44701 / PROPASS 200 WIRELESS, MODEL 44751*			
GENERAL	Hopper Capacity: 21 ft ³ / 0.54 m ³ struck (25 ft ³ / 0.71 m ³ heaped) Controls: standard or electronic wireless Belt: One-piece vulcanized, self-tracking (no seams or staples) Hydraulic Power Pack (optional): 11 hp (8.2 Kw) engine Cross conveyor / swivel kit assembly (option): cross conveyor rotates 270 degrees and extends up to 54.5 in (137 cm) from centerline of topdresser		
SPREAD WIDTH	Variable, up to 30' (9.1 meters)		
WEIGHT	Truck mount base model: 546 lbs (247.6 kg) Tow behind chassis: 480 lbs (217.7 kg) Truck mount kit: 90 lbs (40.8 kg) Twin spinner: 140 lbs (63.5 kg) Truck mount storage stand: 65 lbs (29.4 kg) Hydraulic power pack engine: (dry) 220 lbs (99.8 kg) Cross conveyor / swivel kit assembly: 140 lbs (65.3 kg)		
DIMENSIONS	Tow-Behind Configuration Length 134 in (3.4 m) Height 56 in (1.42 m) Width 65 in (1.65 m) Total unit weight: 1166 lbs (528.8 kg) Payload 2,000 lbs (907 kg)	Truck Mount Configuration Length 78 in (1.98 m) Height 56 in (1.4 m) Width 65 in (1.65 m) Total unit weight: 776 lbs (351.9 kg) Payload: 2,000 lbs (907 kg)	Cross Conveyor Configuration Length 65 in (1.65 m) Belt width: 8 in (20.3 cm) seamless
TIRES ON CHASSIS	24 x 13 x 12 in (60 x 32.5 x 30 cm), 4-ply	Suspension: 4-wheel walking beam	
TOW VEHICLE REQUIREMENTS	Towing capacity: 3,400 lbs (1542 kg) Tongue weight: 300 lbs (136 kg)		
HYDRAULICS	Minimum 6 US gal/m @ 2,000 psi (23 L/m @ 138 bar)	Maximum 10 US gal/m @ 2,800 psi (38 L/m @ 190 bar)	
WARRANTY	Two-year limited warranty. Refer to operator's manual for further details.		
CE REQUIREMENTS	Meets the CE requirements for the EU		

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TORO

MH-400

The MH-400 handles everything: topdressing, cross-conveyor, material delivery & hauling/transport. Designed to perform everyday as part of your maintenance program. By being an integral component to daily tasks the MH-400 reduces labor, saves time and cuts operating costs. Optional wireless remote control available.



MH-400, MODEL 44931 / MH-400 WIRELESS, MODEL 44954*

GENERAL	Hopper capacity: 4 yd ³ (3.06 m ³) Main conveyor belt: one-piece vulcanized, self-tracking, 30" (76.2 cm) wide Controls: standard hydraulic (SH) or electronic hydraulic (EH) Optional accessories: twin spinner assembly, cross-conveyor swivel kit that extends up to 63.3" (159.5 cm) from centerline of topdresser
SPREAD WIDTH	Variable, up to 40' (12.2 meters) using twin spinner accessory
WEIGHT	Base model: 3,000 lbs (1,360.7 kg) - empty with no options installed
CHASSIS	Payload (tare): 11,800 lbs (5,352.3 kg) GVWR: 14,800 lbs (6,713 kg) Suspension: 4-wheel walking beam with 10-ply turf tires Tire size: 32 x 16.00 x 15" (81.3 x 40.6 x 38.1 cm) 10-ply Brakes (electric) - 2-wheel standard, 4-wheel optional
DIMENSIONS	Length 190 in (4.8 m) Height 86 in (2.2 m) Width 78 in (1.98 m)
TOW VEHICLE REQUIREMENTS	Towing capacity: 15,850 lbs (7,189 kg) - maximum payload Minimum power: 45 Hp (33.5 KW)
HYDRAULICS	Recommended flow (min no options installed): 6 US gal/min (23 L/min) Recommended flow (min options installed): 10 US gal/min (38 L/min) Recommended input pressure (min): 2,000 psi (138 bar)
WARRANTY	Two-year limited warranty. Refer to operators manual for further details.
CE REQUIREMENTS	Meets the CE requirements for the EU

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TORO

Multi Pro® 1750

Toro's 175-gallon (662.4 liter) dedicated vehicle sprayer is the culmination of hundreds of hours of insightful customer input. This sprayer uses an advanced spray system combined with cutting-edge sprayer controls and productive vehicle features to create the most advanced, efficient and accurate 175-gallon sprayer on the market. From aggressive agitation, faster response, consistent and accurate application rates, and intuitive rate set up, to precise vehicle control, this sprayer has it all.



MULTI PRO 1750, MODEL 41188*	
ENGINE	Kohler® CH740 Command Series, twin-cylinder, air-cooled, 4-cycle, 25 hp (18.6 kW) gross.
TRACTION SYSTEM	Kanzaki / Tuff Torq 3-speed (forward). 1-speed (reverse), mechanical transaxle with differential lock.
GROUND SPEEDS	Forward: 0 – 11.5 mph (0 – 18.5 kph). Reverse: 0 – 2.5 mph (0 – 4 kph).
TIRES	Front: 20" (50.8 cm) diameter, smooth tread (treadless); 4 ply; 20x10-10; 5-hole bolt pattern rim. Rear: 24" (60.9 cm) diameter; turf tread; 6-ply; 24x13-12; 5-hole bolt pattern rim.
BRAKES	Four wheel hydraulic disc, 2-piston calipers; Front: 7.5" (19 cm) diameter rotor Rear: 9.5" (24 cm) diameter rotor.
MAIN FRAME	High-strength, formed steel rear frame channels welded to steel tubular crossmembers and upper/lower steel tubular structure, ROPS standard.
SUSPENSION	Front suspension – Double A-Arm with coil over shock; Rear suspension – rigid; rubber tires.
STEERING	Fully hydraulic: steering wheel turns, lock to lock: 3.5
GAUGES/INDICATORS	Multi-function display (InfoCenter™), analog pressure gauge, mechanical fuel gauge.
VEHICLE CONTROLS	Ignition key switch, choke, headlight switch, optional wireless hour meter, speed lock.
SEAT	Single, high back cushion seat standard with manual position adjustment w/seat belts.
WEIGHT	2200 lbs. (997.9 kg) shipping weight
DIMENSIONS	Measurements with spray system: Length = 140" (3.55 m) (w/booms folded in cradles) Width = 70" (1.77 m) (w/booms folded in cradles) Height = 97" (2.4 m) (w/booms folded in cradles)
WARRANTY	Two-year limited warranty. Refer to operator's manual for further details.

SPRAYER SPECIFICATIONS*	
SOLUTION TANK	Elliptical, high-density, impact-resistant polyethylene with large 16" (41 cm) fill well opening; tapered bottom and sump with drain.
RATED CAPACITY	175 gallons (662.4 liters)
SPRAY PUMP	Hardi 364/5.5, 6-diaphragm positive displacement w/1" (2.5 cm) input shaft; input speed 300~860 rpm, Flow rate of 45 gpm (170.3 lpm) @ 40 psi (860 rpm).
AGITATOR	Three, side-mounted jet agitation nozzles for full tank agitation.
CONTROLS	Spray pump control switch, agitator jet switch, rate switch, individual boom on/off switches, boom actuator switches, indicator lights on pump, agitation and boom switches, throttle lock, app rate lock-out.

OPEN BOOM (STANDARD)*	
BOOM ASSEMBLY	18.5' (5.6 m) three-section, triangular truss-style open booms, expandable to 20.5' (6.3 m) with optional kit.
BOOM ACTUATORS	Heavy-duty hydraulic lift actuators with nitro-steel plated shafts; 1-3/4" (4.4 cm) Bore x 10.06" (25.6 cm) stroke
SPRAY NOZZLES	Eleven nozzle turrets, triple turret-mount, quick-disconnect with diaphragm check valves. Twelve nozzle turrets with optional kit.

MULTI PRO 1750 ACCESSORIES*	
CLEANLOAD™ EDUCTOR	This on-board mixing station allows rapid and safe loading of any chemical without the need to first mix into a slurry. Incorporates a built-in bottle wash nozzle and has an optional suction lance to pull in liquid products from their container. Stores within the width of the spray vehicle.
FRESH WATER RINSE KIT	Simplifies and automates triple-rinse process, saving hours and hours of clean-up time.
ELECTRIC HOSE REEL	150' (45.7 m) of 0.5" (13 mm) hose for hand or walk spraying applications. Convenient electric powered rewind. Spray gun has an adjustable nozzle from stream to fan.
PRO FOAM™ MARKING KIT	Foam dollops ensure accurate parallel path tracking. Select foam for either boom or both.
PRO FOAM	1 gallon (3.8 L) bottle of Pro Foam Concentrate.
ULTRA SONIC BOOM™ KIT	Sonar sensors automatically maintain proper spray height over undulating turf.
COVERED BOOM KIT	Extends 12" (30.5 cm) below the boom to minimize chemical drift in breezy conditions while retaining full boom system functionality.
UNIVERSAL SUNSHADE	With optional electric fan
HAND SPRAY WAND KIT	Spray manually using handheld device for precision and accuracy.
AIR INDUCTION TURBO TWIN JET NOZZLES	Exclusive to Toro in the 0.8 gpm (3.02 lpm), 1.0 gpm (3.79 lpm) and 1.5 gpm (5.68 lpm) sizes, for exceptional contact coverage.
CONTACT & SYSTEMIC NOZZLES	See complete nozzle listing in the Multi Pro® Nozzle Selection Brochure – available for download on toro.com
NOZZALERT™	Monitors flow at each individual nozzle position, alerting the operator to flow deviations caused by worn, broken, clogged, or missing nozzles.
GEOLINK® PRECISION SPRAY SYSTEM	Toro's exclusive turf-based GPS precision spray system featuring sub-inch accuracy, repeatable mapping, and either CDMA or GSM cellular connectivity.

A Safety Reminder: Prior to any application, know the chemical content and the manufacturer's recommendation for protective clothing. Always wear proper clothing and mask when applying chemicals.

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TOPCON AGS-2 RECEIVER	
DIMENSIONS (H x W x D)	2.1" (53 mm) x 5.2" (130.5 mm) x 5.4" (136.5 mm)
POSITIONING SYSTEM	Real-time Kinematic (RTK). Optional PPP (Precise Point Positioning) as fallback for RTK
CONSTELLATIONS	GPS, GLONASS, GALILEO, BeiDou, QZSS
POWER	9-28 VDC
COMPLIANCE	J1939 and ISO11783
WEATHER RESISTANCE	Achieved IP69K rating

TOPCON XD+ DISPLAY	
DISPLAY	12.1" (307mm) 1280 x 800 px. TFT Color Graphic LCD with LED backlight
DIMENSIONS	8.4" x 13" (214 mm x 330 mm)
POWER	9V - 36V input (voltage and polarity protected).
OPERATING SYSTEM	Linux with icon-based GeoLink software. NXP I.MX6®, quad core, 1GHz processor, Mass storage: 8GB, RAM: 1GB
FEATURES	Machine-to-machine communication, multiple inclusion zones, easy and standard modes, configurable with multi-view capabilities, interactive keypad, on-demand mini views and expandable views, 28 languages, rear-facing speaker, multiple application control, ISO UT ready, remote capable.
WEATHER RESISTANCE	Achieved IP67 rating

ACCESSORIES	
GEOLINK® AS	Exclusively available for the Multi Pro 5800 (Model 41394) with GeoLink. GeoLink AS enables autosteer, ensuring the optimal next pass is followed and providing the most efficient use of your sprayer.
REFERENCE ANTENNA KIT	GeoLink Precision Spray System reference antenna kit.

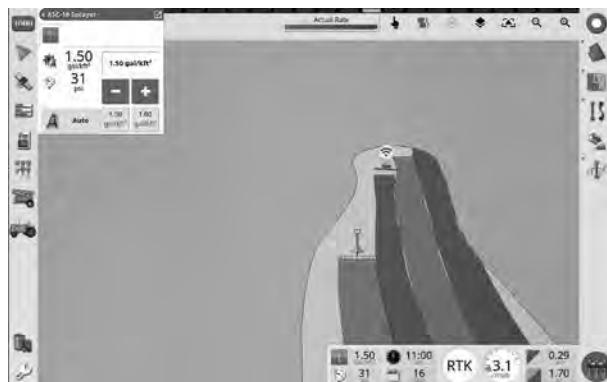
Key Benefits of GeoLink Precision Spray System:

- Universal CL-55 cellular modem, capable of connecting to multiple cellular providers
- Use multiple machines for a single job with Machine-to-Machine communication
- Software for turf, not agriculture
- Repeatable sub-inch location accuracy
- Flexible, customizable and easy to use
- Intuitive icon-based menus
- Multiple inclusion zones – group like areas into a single job
- Improved consistency – less dependence on operator skill level

RTK: Real Time Kinematic (RTK) satellite correction is a technique used to enhance the precision of position data derived from satellite-based positioning systems, being usable in conjunction with all positioning platforms.



GeoLink's individual nozzle control saves time and money.



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TORO

Multi Pro® 5800

Extensive customer input and advanced sprayer technology are built into this innovative dedicated sprayer providing numerous performance and operational features.



MULTI PRO 5800-G, MODEL 41394*		
ENGINE	Kubota® WG1605, rated output: 50 hp (37.3 kW), 1.6 L, 4-cylinder liquid-cooled electronic fuel injection, throttle control, three-way catalytic converter, gear-driven valve train, and a diagnostic port.	
COOLING SYSTEM	Mid-mounted 3.3 (3.12 L) quart radiator with oil cooler mounted in front.	
FUEL SYSTEM	12 gallon (45 L) polyethylene/nylon low-permeation fuel tank with 1.5" (38 mm) opening on the passenger side for fueling; non-vented fuel cap with electronic fuel gauge on the console, in-tank fuel replacement filter, (unleaded gasoline), evaporative emission system with carbon canister.	
TRACTION SYSTEM	Hydrostatic system driving double planetary gear reduction rear wheel drives; foot pedal control of forward/reverse ground speed.	
GROUND SPEED	Forward: 0-10 mph (0-16.1 km/h). Reverse: 0-4 mph (0-6.4 km/h).	
TIRES	Front: 23" diameter rounded profile, 4-ply rated tire with smooth tread pattern; wheel has 5-hole bolt pattern for lugs. Rear: 26.5" diameter rounded profile, 6-ply rated tire with turf tread pattern; wheel has 8-hole bolt pattern for lugs.	
BRAKES	2-wheel mechanical cable operated multi disc wet brakes with additional hydrostatic braking through drive train.	
MAIN FRAME	Welded high strength steel tubular construction.	
SUSPENSION	Front: straight axle with twin independent leaf springs and dual shock absorbers. Rear: rigid with high flotation rear tires.	
STEERING	Fully hydraulic with dedicated power source 48° steering angle.	
GAUGES/INDICATORS	Ignition key switch; analog spray system pressure gauge; fuel gauge; battery voltage lamp; oil pressure warning lamp; coolant temperature warning lamp; InfoCenter display console.	
CONTROLS	Throttle control; spray pump switch; tank agitation switch; individual boom section switches; master boom switch; speed-lock switch; manual/automatic spray mode switch; boom lift/lower switches; manual application rate control (pressure) switch; USB port; 12V power socket; ExcelaRate™ automatic spray rate control (via InfoCenter).	
SEATS	Bucket seats with easy tilt forward bracket; removable bolts allow for adjustment for various seat positions; seats are interchangeable from left to right.	
ELECTRICAL FEATURES	12 volt. 690 cold cranking amps at 0° F (-18° C). 12 volt, 60 Amp alternator. Dash mounted ignition switch.	
LIGHTS	Rectangular 12 volt. 37.5 watt halogen sealed beam headlights.	
SOUND LEVEL	90 dB(A) at operator ear under normal operation	
WEIGHT	Drive-on weight: 2,882 lbs. (1,307 kg). Shipping weight: 2,882 lbs. (1,307 kg). Empty vehicle: 2,882 lbs. (1,307 kg). Full w/ Operator: 5,692 lbs. (2,582 kg). MGW: 6,692 lbs. (3,035 kg).	
DIMENSIONS	Measurements with spray system— Overall Length: 154" (391 cm) booms forward. Overall Width: 88" (224 cm) booms forward. Height: 83.5" (212 cm) to top of ROPS	Turning Diameter: 15'-7" (4.7 m) front tire inside 26'-7" (8.1 m) front tire outside
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.	
CERTIFICATION	SAE 2258 Dec. 2003 and EU 98/37/EC Machinery Directive. 2014/108/EC (EMC).	

SPRAYER SPECIFICATIONS*	
SOLUTION TANK	Elliptical, high-density, impact-resistant polyethylene with large 16" (41 cm) fill opening.
RATED CAPACITY	300 gallon (1,136 liter).
SPRAY PUMP	Hardi 364 / 10.0 6-diaphragm positive displacement; flow rate 45 gpm (170.3 lpm), 220 psi (1500 kpa) maximums.
AGITATOR	4, side-mounted jet agitation nozzles for full tank agitation.
BOOM ASSEMBLY	20.5' (6.25 m), 4 nozzles per selection, triangular truss-style open boom. 12 total triple-turret nozzle mounts with diaphragm check valves.

A Safety Reminder: Prior to any application, know the chemical content and the manufacturer's recommendation for protective clothing.
Always wear proper clothing and mask when applying chemicals.

*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. See distributor for details on all warranties.



MULTI PRO 5800 ACCESSORIES*	
GEOLINK® PRECISION SPRAY SYSTEM	Toro's exclusive turf-based GPS precision spray system featuring sub-inch accuracy, repeatable mapping, and either CDMA or GSM cellular connectivity.
GEOLINK® AS	Exclusively available for the Multi Pro 5800 with GeoLink. GeoLink AS enables autosteer, ensuring the optimal next pass is followed and providing the most efficient use of your sprayer.
NOZZALERT™	Monitors flow at each individual nozzle position, alerting the operator to flow deviations caused by worn, broken, clogged, or missing nozzles.
CLEANLOAD EDUCTOR KIT	This on-board mixing station allows rapid and safe loading of any chemical without the need to first mix into a slurry. Incorporates a built-in bottle wash feature and has an optional suction lance to draw liquid or powder products from their container. Stores within the width of the spray vehicle for transport.
FRESH WATER RINSE KIT	30 Gallons (114 L). Nesting inconspicuously behind the main tank, this system includes a separate electric diaphragm pump, dedicated plumbing and dual rinse nozzles. At 10 gallons (38 L) per cycle, it has on-board capacity to complete a triple rinse process, saving precious time.
ELECTRIC HOSE REEL KIT	150' (45.7 m) of 0.5" (13 mm) hose for hand or walk spraying applications. Convenient electric powered rewind. Spray gun has an adjustable nozzle from stream to fan.
PRO FOAM MARKING KIT	Foam dollops ensure accurate parallel path tracking. Select foam for either boom or both.
PRO FOAM	1 gallon (3.8 L) bottle of Pro Foam Concentrate.
HAND SPRAY WAND KIT	Spray manually using handheld device for precision and accuracy.
ULTRA SONIC BOOM LEVELING KIT	Sonar sensors automatically maintain proper boom height over undulating turf for consistent and proper spray pattern.
DRIFT REDUCTION BOOM SHROUD	Extends 12" (30.5 cm) below the boom to minimize chemical drift in breezy conditions while retaining full boom system functionality.
SUNSHADE	Hard shell sunshade canopy w/windshield option. (From Custom Products of Litchfield, 1-800-CAB-LINE, www.cozycab.com/cabs).
FULLY ENCLOSED CAB	Full-view operator safety cab with AC, wiper and mirror options. (From Custom Products of Litchfield, 1-800-CAB-LINE, www.cozycab.com/cabs).
AIR CONDITIONER	Custom Products of Litchfield, 1-800-CAB-LINE, www.cozycab.com/cabs .
AIR INDUCTION TURBO TWIN JET NOZZLES	Exclusive to Toro in the 0.8 gpm (3.02 lpm), 1.0 gpm (3.79 lpm) and 1.5 gpm (5.68 lpm) sizes, for exceptional contact coverage.
CONTACT & SYSTEMIC NOZZLES	Select the right nozzle for your application by using the Multi Pro Nozzle Selection Brochure - available via Toro.com

A Safety Reminder: Prior to any application, know the chemical content and the manufacturer's recommendation for protective clothing. Always wear proper clothing and mask when applying chemicals.

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TOPCON AGS-2 RECEIVER	
DIMENSIONS (H x W x D)	2.1" (53 mm) x 5.2" (130.5 mm) x 5.4" (136.5 mm)
POSITIONING SYSTEM	Real-time Kinematic (RTK). Optional PPP (Precise Point Positioning) as fallback for RTK
CONSTELLATIONS	GPS, GLONASS, GALILEO, BeiDou, QZSS
POWER	9-28 VDC
COMPLIANCE	J1939 and ISO11783
WEATHER RESISTANCE	Achieved IP69K rating

TOPCON XD+ DISPLAY	
DISPLAY	12.1" (307mm) 1280 x 800 px. TFT Color Graphic LCD with LED backlight
DIMENSIONS	8.4" x 13" (214 mm x 330 mm)
POWER	9V - 36V input (voltage and polarity protected).
OPERATING SYSTEM	Linux with icon-based GeoLink software. NXP I.MX6®, quad core, 1GHz processor, Mass storage: 8GB, RAM: 1GB
FEATURES	Machine-to-machine communication, multiple inclusion zones, easy and standard modes, configurable with multi-view capabilities, interactive keypad, on-demand mini views and expandable views, 28 languages, rear-facing speaker, multiple application control, ISO UT ready, remote capable.
WEATHER RESISTANCE	Achieved IP67 rating

ACCESSORIES	
GEOLINK® AS	Exclusively available for the Multi Pro 5800 (Model 41394) with GeoLink. GeoLink AS enables autosteer, ensuring the optimal next pass is followed and providing the most efficient use of your sprayer.
REFERENCE ANTENNA KIT	GeoLink Precision Spray System reference antenna kit.

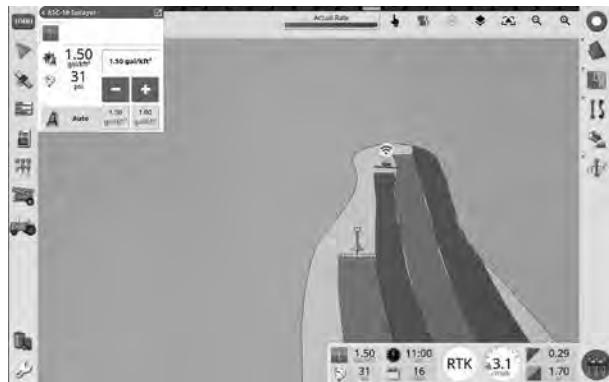
Key Benefits of GeoLink Precision Spray System:

- Universal CL-55 cellular modem, capable of connecting to multiple cellular providers
- Use multiple machines for a single job with Machine-to-Machine communication
- Software for turf, not agriculture
- Repeatable sub-inch location accuracy
- Flexible, customizable and easy to use
- Intuitive icon-based menus
- Multiple inclusion zones – group like areas into a single job
- Improved consistency – less dependence on operator skill level

RTK: Real Time Kinematic (RTK) satellite correction is a technique used to enhance the precision of position data derived from satellite-based positioning systems, being usable in conjunction with all positioning platforms.



GeoLink's individual nozzle control saves time and money.



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Multi Pro® WM – 200-Gallon Sprayer Specifications

SPRAYER SPECIFICATIONS*	
SOLUTION TANK	High-density, impact-resistant polyethylene with large 16" (41 cm) fill opening, tapered bottom and sump with drain.
RATED CAPACITY	200 gallons (757 liters).
SPRAY PUMP	Hardi 364/10.0, 6-diaphragm positive displacement pump w/1" (2.5 cm) input shaft; input speed 0-540 rpm; Flow rate 45 gpm (170.3 lpm) @ 40 psi (540 rpm).
AGITATOR	4, side-mounted jet agitation nozzles for full tank agitation.
CONTROLS	Spray pump control switch, agitator jet switch, rate switch, individual boom On/Off switches, boom actuator switches, indicator lights on pump, agitation and boom switches, throttle lock.



OPEN BOOMS (STANDARD)*	
BOOM ASSEMBLY	18.5' (5.6 m) three section, triangular truss style open booms. Optional 20.5' (6.25 m) booms available.
BOOM ACTUATORS	Heavy Duty hydraulic lift actuators with nitro-steel plated shafts; 1-3/4" Bore x 10.06" Stroke.
SPRAY NOZZLES	Eleven nozzle turrets, triple turret-mount, quick-disconnect with diaphragm check valves. Twelve nozzle turrets with optional kit.

MULTI PRO WM ACCESSORIES*	
NOZZALERT™	Monitors flow at each individual nozzle position, alerting the operator to flow deviations caused by worn, broken, clogged, or missing nozzles.
PRO FOAM™ MARKING KIT	Foam dollops ensure accurate parallel path tracking. Select foam for either boom or both.
PRO FOAM	1 gallon (3.8 L) bottle of Pro Foam Concentrate.
CLEANLOAD™ EDUCTOR KIT	This on-board mixing station allows rapid and safe loading of any chemical without the need to first mix into a slurry. Incorporates a built-in bottle wash nozzle and has an optional suction lance to pull in powdered or liquid products from their container. Stores within the width of the machine.
FRESH WATER RINSE KIT	Simplifies and automates the triple-rinse process, saving hours and hours of clean up time.
ELECTRIC HOSE REEL KIT	150' (45.7 m) of hose for hand or walk spraying applications. Convenient electric powered rewind. Spray gun has an adjustable nozzle from stream to fan.
PRO FOAM™ MARKING KIT	Foam dollops ensure accurate parallel path tracking. Select foam independently or both simultaneously.
ULTRA SONIC BOOM™ KIT	New sonar sensors automatically maintain proper spray height over undulating turf.
COVERED BOOM KIT	Extends 12" (30.5 cm) below the boom to minimize chemical drift in breezy conditions while retaining full boom system functionality.
AIR INDUCTION TURBO TWIN JET NOZZLES	Exclusive to Toro in the 0.8 gpm (3.02 lpm), 1.0 gpm (3.79 lpm) and 1.5 gpm (5.68 lpm) sizes, for exceptional contact coverage.
CONTACT & SYSTEMIC NOZZLES	Select the right nozzle for your application by using the new Multi Pro Nozzle Selection Brochure - available via Toro.com

WARNING

THE WORKMAN® IS AN OFF-HIGHWAY VEHICLE, AND IS NOT DESIGNED, EQUIPPED, OR MANUFACTURED FOR USE ON PUBLIC STREETS, ROADS OR HIGHWAYS.

*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, requirements and safety features. Consult your local Toro Distributor. "Cushman" is a registered trademark of Ransomes.





Pro Force®

The Pro Force is a self-contained engine-driven Debris Blower operated with a hand-held wireless RF controller. It utilizes a high-efficiency turbine-type fan assembly designed to deliver greater air power to clear turf or pavement of leaves, grass clippings, twigs, pine needles or other undesirable debris.



PRO FORCE DEBRIS BLOWER*		
MODEL	44552 - standard blower	44553 - D.O.T. approved trailer
ENGINE	24.6 hp (18.3 kW) Kohler® Command Pro™ 725 cc, gas, 2-cylinder, air-cooled, electronically-governed	
FUEL CAPACITY	Standard 5 gallon (18.9 liter) tank. Optional 10 gallon (37.8 liter) tank part number 130-4371	
FAN DESIGN	High-efficiency, axial flow, turbine-type fan assembly.	
CONTROL	Hand held wireless RF controller provides capability to start and stop the engine, adjust engine throttle up and down for high to low RPM range of operation, and rotate nozzle 360 degrees in either direction. Ergonomic, weather resistant. Note: Model 44554 includes tethered controller and is offered in regions where wireless control is not available.	
NOZZLE	Single-piece impact-resistant plastic with 13" outlet diameter.	
ROTOR DIAMETER	14" (35.5 cm)	
FAN ASSEMBLY DIAMETER	14" (35.5 cm)	
WEIGHT	475 lbs. (215.4 kg)	
LENGTH	Standard 97" (246 cm) from adjustable tow hitch to nozzle outlet. 18" (45.7 cm) adjustable length for length range of 79"-115" (200.6 - 292.1 cm)	
WIDTH	48" (122 cm)	
HEIGHT	44" (111.7 cm)	
TOW-BEHIND TRAILER	Lawn-tractor style hitch (Category 1). Three hole locations to accommodate varying receiver heights.	
TIRE SIZE:	20 x 10-8, 4-ply turf tire.	
FENDERS	Custom injection molded plastic.	
ACCESSORIES	Optional LED light kit model 44559	
WARRANTY	Two-year or 1,500 hour limited warranty. See operator's manual for details.	

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Pro Force® Attachment – Groundsmaster 3200/3300

The front mounted Pro Force blower for the GM3200/3300 is driven by the traction unit's implement PTO shaft and is conveniently controlled by the operator from the steering column control pod. Pro Force blowers utilize a high-efficiency turbine-type fan assembly designed to deliver superior air flow to clear turf or pavement of leaves, grass, clippings, twigs, pine needles or other undesirable debris.



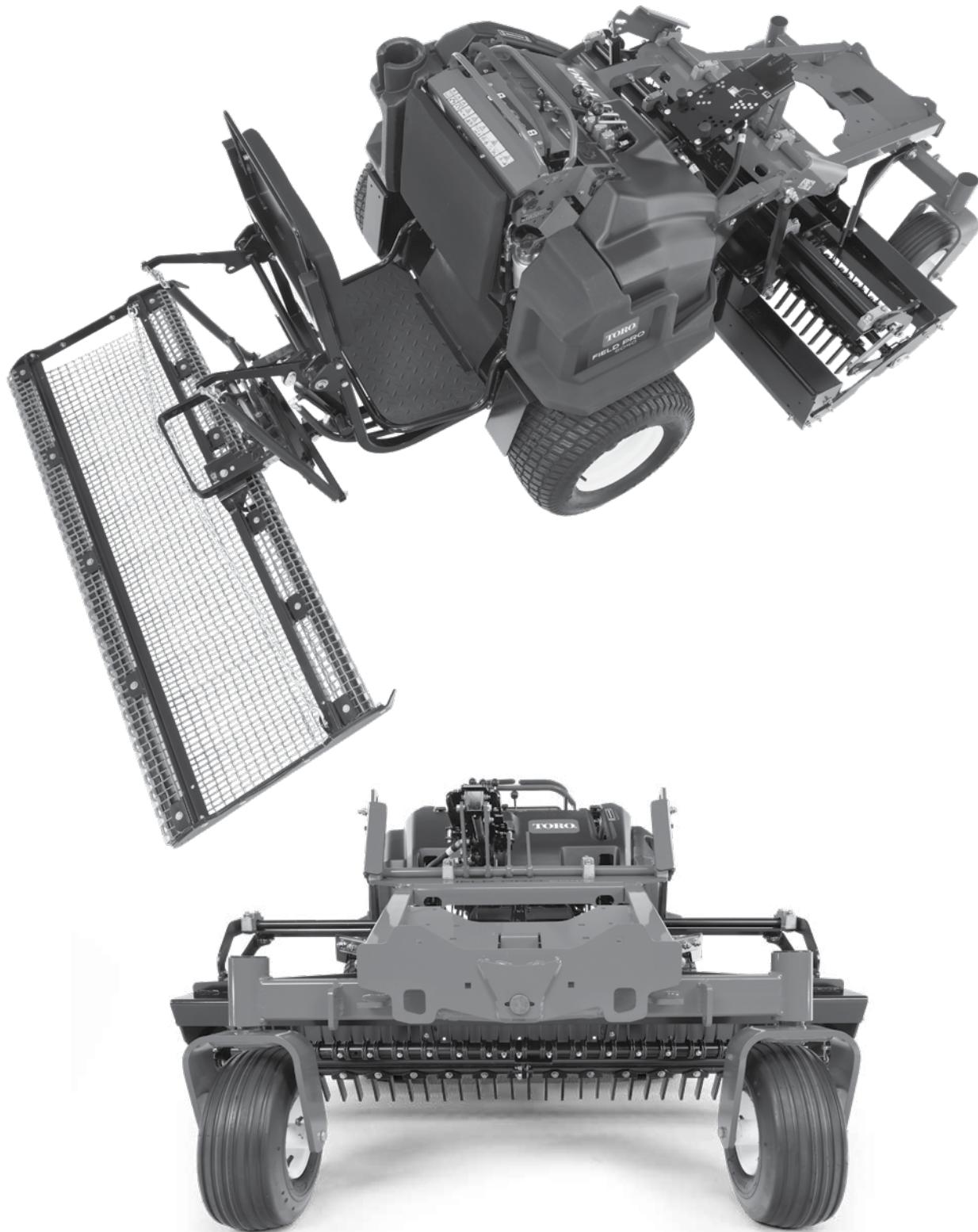
PRO FORCE DEBRIS BLOWER ATTACHMENT FOR GM3200/3300, MODEL 31916*	
POWER SUPPLY	Traction unit standard drive shaft
FAN DESIGN	High-efficiency, axial flow, turbine-type fan assembly.
CONTROL	PTO Switch on traction unit, Blower Lift on traction unit, Chute Control with rocker switch on Accessory Control POD
NOZZLE	Single-piece impact-resistant plastic with 12.75 inch (32.39 cm) outlet diameter.
ROTOR DIAMETER	14" (35.5 cm)
FAN ASSEMBLY DIAMETER	14" (35.5 cm)
WEIGHT	435 lbs (197.3 kg)
LENGTH	54.5 inches (138.4 cm)
WIDTH	60 inches (152.4 cm) front caster wheel to caster wheel
HEIGHT	48.7 inches (133.7 cm)
GROUND CLEARANCE	9.6 inches (24.38)
TRACTOR MOUNTED	For Groundsmaster 3200/3300 (models 31900, 31901, 31902, 31903)
REQUIRED KITS	Toro Auxiliary Hydraulic Kit 31966 and the Toro Control Kit 31994. For Groundsmaster 3200 models Speed Reduction Kit (144-3587) is required for optimum performance.
WARRANTY	Two-year or 1,500 hour limited warranty. See operator's manual for details.



TORO

Field Pro® 6040

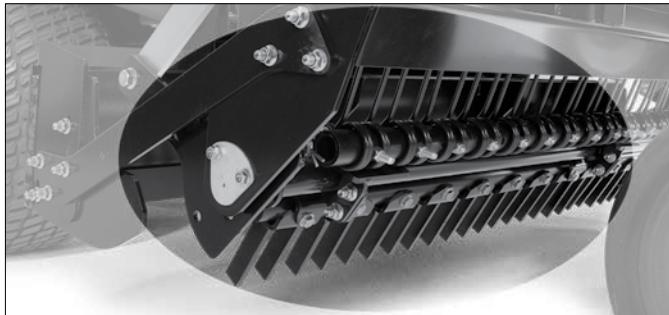
Create ballfields that fans and players love with the Toro Field Pro 6040. This workhorse features efficient operation with the innovative MultiTool™, ergonomic operator comfort, and incredible versatility in attachment options. The dedicated platform produces a consistent, superior infield playing surface regardless of starting conditions. Precision engineering means precise results. With the Field Pro 6040, it's game on.





MultiTool™

The Field Pro MultiTool is an innovative design that includes an integrated grader and an adjustable tool carrier to quickly and accurately grade, groom and perfect your infields. When fitted with the optional laser grading system the Field Pro 6040 will easily grade your infield for optimal game playing conditions.



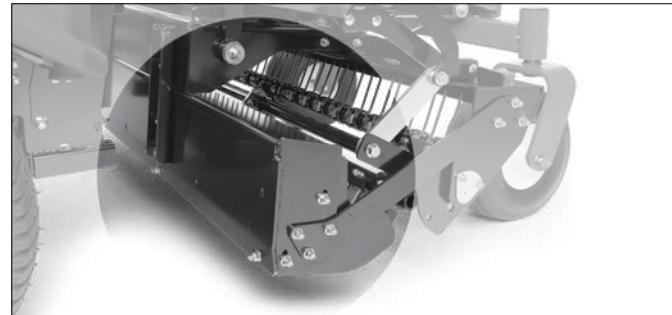
MultiTool Adjustable Carrier

The MultiTool Adjustable Carrier allows for coarse or fine scarifying, allowing operator adjustments from field to field depending on conditions. Hydraulically-controlled depth and angle adjustment provide precise interaction, where needed, for desired results.



QAS Rear Quick Attach System™

With the rear QAS, anyone can switch from one attachment to another in less than a minute, with no tools required. Match the machine to the environment to get your fields back into playing condition. QAS allows you to do more with less, and get the job done faster.



MultiTool Box Grader

The integrated MultiTool box grader is nearly 6 feet (182 cm) wide for efficient and accurate grooming. Made from high-strength steel, the grader is built to last for years of dependable service. When fitted with the accessory tool holder, the grader is able to incorporate several additional tools including an Edger, Root Cutter, Field Roller and Planer Blade Kit. Includes an abrasion resistant changeable wear edge.

Rear QAS and MultiTool Attachments Available.

FIELD PRO 6040, MODEL 08839*	
ENGINE	Kohler® Command PRO® 4-cycle OHV commercial gas engine. 25hp (18.6 kW) at 3600 RPM (SAE J1940). 44.0 cu. in. (725 cc). Oil Capacity: 2.0 quarts (1.9 liter).
AIR CLEANER SYSTEM	Premium air filtration system.
FUEL CAPACITY	8.0 gallon (36.3 liter) unleaded gasoline.
TRACTION DRIVE	Independent commercial grade high-torque wheel motors.
GROUND SPEED	Infinitely variable 0-10 mph (0-16 km/h) forward; 0-5.0 mph (0-8.0 km/h) reverse.
HYDRAULIC OIL	5.0 gallon (18.9 liter) system capacity. Polyethylene reservoir to reduce corrosion. 10 (nominal) micron replaceable cartridge.
MULTITOOL	Model 08854, sold separately – mid-mounted MultiTool includes an integrated 68" (172 cm) box grader and adjustable carrier with spring tines and solid carbide tines.
TIRES/WHEELS	Rear: 24 x12.00-12, Front: 15 x 6.00-6 commercial caster wheels.
CONTROLS/GAUGES	Hand operated choke, throttle, and hydraulic controls for raising/lowering and actuating the MultiTool Adjustable Carrier. Rear hydraulic lift and lower controls. Gauges: fuel, hour meter.
DIMENSIONS	Width: 67.8" (172 cm), Length: 103.8" (264 cm), Height: 50.7" (134 cm), Wheelbase: 59.6" (151 cm)
GROUND CLEARANCE	7.3" (18.4 cm)
WEIGHT	Net weight (less fluids): 1,620 lbs. (735 kg) with MultiTool installed.
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.





Sand Pro® 2040Z

The Sand Pro 2040Z mechanical rake is unlike anything else in the marketplace; a zero-turn mechanical groomer delivering unmatched maneuverability and productivity. This unique machine is a daily bunker rake that will reduce a golf course's labor costs for both mechanical and hand raking of bunkers. Its flex tooth rake with the "lift in turn" feature enables an operator to turn tightly in bunkers without leaving unraked teardrops or tire marks. As an infield groomer, the Sand Pro 2040Z with its nail drag/flex groomer rear attachment is the perfect solution for daily infield grooming. The nimble Sand Pro 2040Z will save you valuable time in your workday, improving infield surface playability and consistency.



	SAND PRO 2040Z, MODEL 08706*																				
ENGINE	Kawasaki 2 cylinder, air cooled, gasoline engine; Gross HP 13.6 HP (10.1 kW), Governed HP 12.2 HP (9.1 kW) @ 2400 rpm; Max torque 27.3 ft-lbs (37.0 Nm) @ 1800 rpm; Displacement 36.7 cu-in. (603 cc); Oil capacity w/filter 1.7 qts. w/filter (1.5 w/o filter); Oil Filter External, spin-on																				
AIR CLEANER SYSTEM	Heavy duty single stage cyclonic air filter with replacement element																				
FUEL CAPACITY	4.5 gals (17 liters) of unleaded gas (maximum 10% ethanol)																				
TRACTION DRIVE	Belt driven independent infinitely variable unitized transmission, with automatic tensioning system.																				
HYDRAULIC OIL	Factory fill Mobil fluid 424 tractor transmission fluid; Left hand transmission section: 3.1 qt. (3.25 liters); Right hand transmission section: 3.55 qt. (3.75 liters)																				
GROUND SPEED	Forward 0-12 mph (0-19.3 km/h), Reverse 0-4 mph (0-6.4 km/h). See Speed Limiter Kits below for additional information.																				
TIRES/WHEELS	Drive Wheels 25x12- 9, 3 ply rating pneumatic tubeless demountable with a Turf Tamer (knobby) tread. Front Wheel 16x7.5-8 4 ply rating pneumatic tubeless demountable with turf traction tread. Recommended tire pressure: 7 psi all tires																				
MAIN FRAME	Rectangular structured steel tube and high strength steel plate welded construction.																				
BRAKES	Twin levers with dynamic braking through hydrostatic transmission. Hand actuated parking brake lever that controls two integral wet disc brakes contained within transmission.																				
STEERING	Power steering, controlled through two independent control sticks with integrated dampeners. Min. turning radius: 0 in (0 cm)																				
CONTROLS/GAUGES	Ignition: Off/Run/Start; Throttle: Low - High Idle; Choke: Open /Closes choke plate; Parking Brake: Off - On LCD logic cluster includes hour meter and safety interlocks for operator presence, neutral and parking brake.																				
REAR ATTACHMENT HYDRAULIC LIFT	Raise/Lower switch mounted at end of right handle.																				
SEAT	High back cushion vinyl seat with drain hole, integrated armrest and retractable seat belt; adjustment is 4 inches fore and aft.																				
ROPS	Two post fixed ROPS, certified per ISO/DIS 21299.2 specifications																				
STORAGE	Built-in cup holder, rake holder and personal storage reached from seat.																				
ELECTRICAL FEATURES	12-volt system, 20-amp alternator at 3,600 rpm. Battery Voltage is displayed when key switch is moved from off to run (Low Battery LED will illuminate if key voltage is less than 12.3V in run position)																				
SOUND LEVEL	88 dBA (Operator Ear)																				
DIMENSIONS/WEIGHT	<table border="1"> <tr> <td>Length:</td> <td>with Flex Tooth Rake</td> <td>with Nail Drag</td> <td></td> </tr> <tr> <td>Width:</td> <td>89" (226 cm)</td> <td>84.8" (215 cm)</td> <td>Wheelbase: 58" (147 cm)</td> </tr> <tr> <td>Overall Height:</td> <td>84" (213 cm)</td> <td>71.5" (182 cm)</td> <td>Tread width (to centerline of tire): 46.9" (119 cm)</td> </tr> <tr> <td>Weight:</td> <td>73" (185 cm)</td> <td>73" (185 cm)</td> <td></td> </tr> <tr> <td></td> <td>920 lbs. (417 kg)</td> <td>970 lbs. (439 kg)</td> <td></td> </tr> </table>	Length:	with Flex Tooth Rake	with Nail Drag		Width:	89" (226 cm)	84.8" (215 cm)	Wheelbase: 58" (147 cm)	Overall Height:	84" (213 cm)	71.5" (182 cm)	Tread width (to centerline of tire): 46.9" (119 cm)	Weight:	73" (185 cm)	73" (185 cm)			920 lbs. (417 kg)	970 lbs. (439 kg)	
Length:	with Flex Tooth Rake	with Nail Drag																			
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Weight:	73" (185 cm)	73" (185 cm)																			
	920 lbs. (417 kg)	970 lbs. (439 kg)																			
GROUND CLEARANCE	5.5" (14 cm) at machine centerline 24" (61 cm) tire																				
TIE DOWNS	Four loops, one located on each corner of the machine.																				
WARRANTY	2-year limited warranty. Refer to the Operator's Manual for further details.																				
SAFETY CERTIFICATIONS	Certified to meet ANSI specification B71.4 - 2012 standards when equipped with weight kits supplied with attachments. Certified to meet ISO/DIS 21299 for ROPS. Engine meets all applicable emission standards per the manufacturer. Certified to meet C-Tick 2004/108/EC/(EMC) and the CE Machinery Directive.																				

	REAR ATTACHMENTS *
(NOTE: Unit must always have a rear attachment installed to meet ANSI and CE specifications)	
FLEX TOOTH RAKE (08716) (GOLF APPLICATIONS) <ul style="list-style-type: none"> 84" (213 cm) wide tooth rake with three reversible rubber trowels that will not tear bunker liners Convex Trowel Design is able to continuously groom a 70" (178 cm) radius surface Lift-in-turn design allows for continuous grooming during a zero radius turn Rubber trowel design reduces damage to bunker edges and liners 	
OPTIONAL ACCESSORIES FOR TOOTH RAKE	Broom Finishing Kit (three section brush), Model 08719
NAIL DRAG (08717) (INFIELD GROOMING APPLICATIONS)	<ul style="list-style-type: none"> 66" (168 cm) wide with 88 removable nails arranged in diamond pattern 3 height position for nails increases material flow and extends nail wear 71.5" (182 cm) rubber groover Back blade allows for moderate or small area leveling of infield surface
OPTIONAL ACCESSORIES FOR NAIL DRAG	Drag mat finishing kit (08718): (78"W X 18'L 1"square steel mat); includes cradles to store mat during transport. Model 08718
OTHER TRACTION UNIT ACCESSORIES*	
LIGHT KIT	2 LED lights, one in front one mounts to ROPS and points rearward. 3 Position switch, all lights on, front on or off. Model 08721
SPEED LIMITER KIT	Automatically reduces maximum speed of the traction unit when the rear attachment is lowered. Adjustable to maximum speed of 3-7 mph (4.8-11.3 km/h). Model 08720.
TRANSPORT SPEED LIMITER KIT	Reduces speed infinitely from top speed to approximately 7 mph (11 km/h) or top speed of grooming speed. Part 130-7877
SEAT SUSPENSION KIT	Rubber isolators provide cushioning. PN 125-6469
MESH BAG KIT	Storage bag for maintenance tools, trash, debris, etc.; mounts to ROPS. PN 127-0359
TURF TRAC TIRE	Less aggressive tread for rear drive tires. PN 125-6462
BIMINI SUNSHADE	Canvas sunshade that mounts to ROPS. Model 30358
RAKE HOLDER	SP2040Z has a standard rake holder mounted on left hand side, a second optional rake holder can mount to right hand side of SP2040Z. PN 130-7876

*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 design, required attachments and safety features. Consult your local Toro Distributor.

2026 Toro Commercial Equipment Guide 26-003-T Rev. 1/26





Sand Pro® 3040 & 5040

The Quick Attach System™ (QAS) and 25 attachments make the Sand Pro 3040 and 5040 the most versatile vehicles in bunkers and infields.



Sand Pro® 3040 & 5040 Specifications

SAND PRO 3040, MODEL 08743*		SAND PRO 5040, MODEL 08745*
ENGINE	Vanguard®, V-twin cylinder, 4-cycle, OHV, air-cooled, gas engine with cast iron sleeves. 16 hp (11.9 kW) at 3600 rpm. Displacement: 29.3 cu. in. (480 cc). Oil capacity: 1.75 quart (1.8 liter). Electronic ignition. Full pressure lubrication, oil filter. Base mounted engine and pump with 4 isolation mounts.	Vanguard®, V-twin cylinder, 4-cycle, OHV, air-cooled, gas engine with cast iron sleeves. 18 hp (13.4 kW) at 3600 rpm. Displacement: 34.8 cu. in. (570 cc). Oil capacity: 1.75 quart (1.8 liter). Electronic ignition. Full pressure lubrication, oil filter. Base mounted engine and pump with 4 isolation mounts.
AIR CLEANER SYSTEM	Remote mounted 3-phase Donaldson® air cleaner.	
FUEL CAPACITY	5.0 gallon (18.9 liter) of unleaded gasoline.	
TRACTION DRIVE	Direct driven hydrostatic variable displacement piston pump to 3 hydraulic motors for 3WD. Large, front mounted hydraulic cooler and fan. Foot pedal control, forward/reverse. Patented Series/Parallel hydraulic traction system keeps three wheels working together, virtually eliminates spin-outs.	
GROUND SPEED	Infinitely variable 0-10 mph (16 km/h) forward; 4.3 mph (6.9 km/h) reverse.	
HYDRAULIC OIL	5.0 gallon (18.9 liter) system capacity. Polyethylene reservoir to reduce corrosion. 10 (nominal) micron replaceable cartridge.	
TIRES/WHEELS	Three 22 x 11.00-8 pneumatic tubeless tires on demountable, interchangeable wheels. Tire pressure: 8-10 psi (55.2-69 kPa).	
MAIN FRAME	Tricycle vehicle with welded rectangular tubular steel frame construction. Rear engine placement.	
BRAKES	Dynamic braking through the hydrostatic transmission and hand actuated brake lever.	
STEERING	Manual front wheel steering. 15" (38 cm) diameter steering wheel. Double lubed for life gearbox.	Hydraulic power steering. 15" (38 cm) diameter steering wheel.
CONTROLS/GAUGES	Hand operated choke, throttle, and hydraulic control for raising/lowering with float. Foot pedal controls traction forward/reverse speed. Rear hydraulic lift and lower controls. Gauges: hour meter.	Hand operated choke, throttle, and hydraulic control for raising/lowering with float. Foot pedal controls traction forward/reverse speed. Front and rear hydraulic lift and lower controls. Gauges: hour meter.
SEAT	High-back cushion seat w/drain hole. 4" front-back adjustment w/additional 1.75" mounting adjustment. (arm rests optional)	
ELECTRICAL FEATURES	12-volt battery, 15 amp., 300 CCA @ 0° F, 12-volt electric starter. Dash mounted ignition switch with key. Neutral interlock switch, seat switch. Also provisions for light kit.	
SOUND LEVEL	83 dB(A) at operator ear, under normal operating conditions.	
DIMENSIONS	Width: 58" (147 cm), Length: 67.5" (171.5 cm), Height: 45.25" (114.9 cm), Wheelbase: 42.75" (108 cm)	
GROUND CLEARANCE	6.0" (15.2 cm)	
WEIGHT	Net weight (less fluids): 930 lbs. (421.8 kg).	
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details. Briggs & Stratton® provides a two-year commercial engine warranty and a lifetime Magnetron® warranty.	

FRONT ATTACHMENTS*	
FRONT LIFT FRAME ASSEMBLY	Front Quick Attach System™ mounting assembly and hydraulic components. Used on Sand Pro 5040 only. Model 08713.
HYDRAULIC FLEX BLADE	Hydraulic QAS flex blade is designed for leveling, packing, and smoothing uneven areas in one pass. Model 08712. Available for SP5040 only (requires Front Lift Frame Assembly – 08712)
MANUAL BLADE	Standard 40" (102 cm) width steel blade. Spring balanced manual blade is used for leveling uneven areas and pushing up bunkers after washouts (cannot be used when 08712 is installed). Model 08714. Blade extension available to increase blade width to 60" (152 cm) for leveling out larger uneven areas. PN 115-5646.

FRONT & REAR QAS ATTACHMENTS*	
BUNKER PUMP	Throws water up to 40' (12 m) and can pump 95 gal/min (360 l/min). Adjustable throw direction and angle. Requires Rear Remote Hydraulics (08781) for rear QAS mount. Requires Front Lift Frame Assembly (08712), Rear Remote Hydraulics (08781) and Front Remote Hydraulics for front QAS mount (on SP5040 only) Model 08765.
BUNKER PUMP REMOTE DISCHARGE KIT	An available 50' (15 m) discharge hose allows the QAS Bunker Pump to be removed and dropped into hard to reach areas. PN 115-2084.
LIP BROOM	Eliminates the task of manually maintaining infield lips. Removes ridge buildup by sweeping material back into the infield. Mounts to front QAS (SP5040) and rear QAS (SP3040 & 5040). Requires Front Lift Frame Assembly- 08712 for front attachment (on SP5040 only) Lip Broom available from Rahn Industries at www.rahnroofer.com or 1-800-298-1707.
TURF PLOW	The 64" Turf Plow is a great tool for removing aeration cores from greens, clearing snow from walkways, cart paths and even sports fields. It is lightweight and features a rounded lower lip that is gentle on turf. The Turf Plow fits both Sand Pro 3040 and 5040. Turf Plow is available from Nordic Plow at nordicplow.com

MID-MOUNT ATTACHMENTS*	
MID-MOUNT ASSEMBLY	Base mounting assembly for mid-mount toolbars with spring-loaded regulation to allow relief if obstruction is hit. Model 08731.
WEEDER TINE TOOLBAR	Ideal for removing weeds and grass from less maintained bunkers and fields (requires Mid-Mount Assembly – 08731). Model 08732.
PROFILE BLADE TOOLBAR	Primarily used for weeding bunkers. Part # 132-4427.
LEVELING BLADE	Attaches to any mid-mount toolbar to quickly level out large areas. Foot operated latch allows operator to lower leveling blade independently from the other mid-mount toolbar. PN 108-8496.
SOLID TINE TOOLBAR	Used for general scarifying applications. Rotate teeth to maximize tine life (requires Mid-Mount Assembly – 08731). Model 08734.
CARBIDE TINE TOOLBAR	Use in the harshest conditions and for extended life –15 carbide tines included (requires Mid-Mount Assembly – 08731). Model 08735.
SPRING TINE TOOLBAR	Use for light to moderate scarifying and daily maintenance in bunkers and on premium fields (requires Mid-Mount Assembly – 08731). Model 08733.
EDGER	Maintains the grass edge of the outfield near the infield skin or warning track. Easily renovate ballfields by removing overgrown turf and infield lip build-up. Significantly reduces labor required for infield edging (requires Rear Remote Hydraulics – 08781). Model 08766.

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REAR QAS ATTACHMENTS*	
TOOTH RAKE	Designed to lightly scarify, pack, smooth and groom in one pass. Use in dry or wet conditions and can improve the condition of neglected sports fields. Model 08751.
WEIGHT KIT FOR TOOTH RAKE	Additional weight for the Tooth Rake attachment to improve performance in coarse or wet conditions. Set of 5 weights. PN 115-4333.
QAS FLEX TOOTH RAKE	85" (216 cm) daily bunker groomer. Flexible rubber material will not tear liners or turf, allowing for edge grooming. Rubber groomers are reversible for longer life. Model 08767.
TOOTH RAKE BROOM	75" (190 cm) Brush – Attaches behind the Tooth Rake (08751) for a smoother finish. Model 08816.
PIVOTING TROWELS KIT	This kit allows independent outside trowels to pivot and rake across the entire turn which eliminates unraked teardrop – Attaches to Tooth Rake (08751). PN 119-7158.
SPRING RAKE	Leaf rake assembly designed to be used alone or in combination with the tooth rake (08751) to achieve desired appearance. Great for wet conditions and collecting debris in groomed areas (if used independently, requires QAS A-Frame Assembly, 108-9427). Model 08752.
DRAG MAT CARRIER SYSTEM	QAS-mounted carrier frame with hydraulic lifter allows operator to raise and lower drag mats without ever leaving the operator seat. 72" (183 cm) width. Model 08756.
COCO DRAG MAT	Quickly produces a premium finish on dry, level surfaces (requires Drag Mat Carrier System - 08756). Model 08758.
STEEL DRAG MAT	Designed to for more rugged surfaces to quickly groom and finish. Use on wet or dry sand surfaces (requires Drag Mat Carrier System - 08756). Model 08757.
AUTOMAT DRAG MAT	78" x 18" (198 cm x 46 cm). Steel drag mat is controlled by and works together with nail drag for single-pass scarification and finish grooming. Drag mat automatically engages the infield as the nail drag is lowered via Rear QAS. Features lock-out position when use is not required. Model 08763. Requires Nail Drag 08761. Compatible with QAS Flex Groomer 08762.
MANUAL DRAG MAT	78" x 36" (198 cm x 91.5 cm). Steel drag mat delivers exceptional finish grooming. Mat easily rolls up and stores on yolks provided. Model: 130-7852. Requires Nail Drag 08761. Compatible with QAS Flex Groomer 08762.
NAIL DRAG	Pivots to follow the contours of uneven field surface. Use to scarify, loosen, or weed before smoothing. Easily adjust nail pattern and depth. Accepts up to a 40D common nail. Model 08761.
QAS FLEX GROOMER	72" (182 cm) flexible groomer mounts to Nail Drag (08761) for single-pass infield scarification and grooming. Features lock-out position to restrict use without tools or removal. Model 08762. Requires Nail Drag 08761.
SEGMENTED GROOMING BROOM	Designed to minimize top surface disruption, to maximize firmness, and provide a smooth finished look in contoured bunkers. Model 08753.
REPLACEMENT SEGMENTED GROOMING BROOM	Replacement grooming broom with stiffer bristles. PN 110-8182.
WEIGHT KIT FOR SEGMENTED GROOMING BROOM	Additional weight for Segmented Grooming Broom to improve performance in coarse or wet conditions. Set of 4 weights. PN 112-0025.
QAS FINISH GRADER	Use to level and/or scarify large areas. Includes box plow and scarifier with spring load regulation to allow relief if obstruction is hit. Model 08754.
RAHN GROOMER	The Rahn GL650 Infield Groomer levels uneven playing fields, helping to prevent ridge build up while creating a more consistent infield. The triple row broom is perfect for finishing the playing surface and can be stored upright for easy transport. The 2-way leveling system provides both a lock and float position to match infield conditions Rahn Groomer available from Rahn Industries at www.rahngronomer.com or 800-298-1707.
QAS SPIKER	Use for spiking greens and other formal turf to increase air flow for healthier turf. Model 08755.
BASIC DRAG MAT SYSTEM	Basic Drag Mat System, Model 112-1424 (requires 108-9427 & 110-1375)

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ACCESSORIES*	
QAS A-FRAME ASSEMBLY	Can attach Spring Rake 08752 to be used independently. PN 108-9427.
400-HOUR FILTER MAINTENANCE KIT	Includes 9 engine oil filters, 2 hydraulic oil filters and 2 air filters. Model 30035.
REAR REMOTE HYDRAULICS	Quick-connect design allows rear-powered attachments to be connected in under a minute. Model 08781.
VARIABLE ORIFICE KIT	Slows hydraulic lift and lower for increased precision and accuracy when using hydraulically-powered attachments. PN 112-1433.
LIGHT KIT	Front and rear flood lights improve operator visibility during low natural light operation. PN 110-1314.
SPEED CONTROL KIT	Adjustable speed check trains operators to groom at the desired speed while allowing the traction unit to operate in transport speed between tasks without any adjustments or levers. PN 110-1371.
HITCH/TOW BAR	Converts the traction unit to a utility vehicle to transport materials or trailers. Attaches to QAS A-Frame or 108-9427 for quick removal. PN 110-1375.
FRONT WEIGHT KIT	50 lb. (22.7 kg) – allows the Spiker or Rahn® Groomer attachments without the Front Lift Frame Assembly attached to meet ANSI compliance. PN 100-6442.

OPTIONAL TIRES*	
SMOOTH TIRE	Includes individual tire, wheel and stem valve assembly. Typically used on greens. PN 112-0034.
TURF TIRE	Turf tread tire. PN 94-6126.

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GreensPro® e1700

Redefined productivity, elevated performance, all-electric power.

The GreensPro e1700 is the ideal roller for fine sports turf like golf greens, bowling greens, and tennis courts. Designed for users who prioritize productivity and ease of use, it offers minimal yearly maintenance, silent operation, and all the advantages of a utility roller – all powered by an efficient all-electric platform.



GREENSPRO 1700, MODEL 44914*	
POWER	2 Toro HyperCell® Lithium-ion batteries standard, configurable up to 4
ELECTRIC MOTOR	3 Direct Drive Commercial High Torque Motors
GROUND SPEED	Up to 8.0 mph (12.9 km/h) in either direction
SMOOTHING ROLLERS	3 - 10.42" (26.7 cm) Diameter Rollers
ROLLING WIDTH	69" (175.3 cm)
CONTOUR FOLLOWING	Yes
SEAT	High-back, adjustable with standard armrest
TRAILER	Smart Hitch™, drive up and connect system.
STEERING	Joystick control.
LIFTING TIRES	18 x 7.5 - 8
LIFTING TIRE PRESSURE	24 PSI (1.65 Bar)
DIMENSIONS (ROLLING/STORAGE)	
WIDTH	70.5" (179 cm)
LENGTH	44" (112 cm)
HEIGHT	54" (137 cm)
WEIGHT (ROLLING/STORAGE)	
WEIGHT	1,173 lbs (532 kg)
DIMENSIONS (TOWING)	
	70.5" (179 cm)
	89" (226 cm)
	62" (157 cm)
WEIGHT (TOWING)	
	1,235 (560 kg)

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GreensPro® 1260

The Toro GreensPro 1260 riding greens roller is the perfect rolling tool for fine sporting turf such as golf greens, bowling greens and tennis courts. Turf that requires a smooth, high performance surface for optimum playing will benefit from precision greens rolling with the GreensPro 1260.



GREENSPRO 1260, MODEL 44913*	
ENGINE	Honda® GX200 5.5 hp (4.1 kW) @3600 RPM, air-cooled, 4-stroke OHV; mechanically governed.
FUEL	Unleaded gas
TRANSMISSION	Hydrogear PG Pump
DRIVE	Parker hydraulic motor to drive roller
SMOOTHING ROLLS	3.44" (87.5 mm) diameter - 4 split rollers. Overlapping twin steering heads.
TRACTION DRIVE ROLLER	7.24" (183.9 mm) diameter vulcanized rubber coated cylinder, 31.5" (80 cm) long
ROLLING WIDTH	47.2" (120 cm)
GROUND SPEED	Roll: 0-8 mph (0-12.8 km/h) in either direction
CONTROLS	Tilt steering wheel, directional foot pedals, parking brake, engine stop switch, recoil, choke, fuel shut off, light switch, and hourmeter
CONTOUR FOLLOW	Yes
GROUND PRESSURE	3.75 PSI (0.26 Bar)
STEERING	Wheel, adjustable tilt to 40°
SEAT	High-back, adjustable with standard armrests
TRAILER	Integrated with QuickLatch towing system
LIFTING TIRES	16 x 6.50 - 8
LIFTING TIRE PRESSURE	15 PSI (1.03 Bar)
OVERALL DIMENSIONS (STORAGE)	
WIDTH	48" (122 cm)
LENGTH	63" (160 cm)
HEIGHT	68" (173 cm)
WEIGHT	679 lbs. (309 kg)
WARRANTY	Two-year limited warranty. Refer to operator's manual for further details.

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eHoverPro®

The eHoverPro offers the ideal solution to mowing areas where typical wheeled mowers aren't able to go and a high quality after cut appearance is desired.

eHOVERPRO 450 MODEL 02614T*	
TOOL ONLY OR KIT	Tool Only - Battery & Charger sold separately
ENGINE/MOTOR	60V** (2.0 kW) Brushless
DRIVE SYSTEM	Push
STARTER	Push Button
BATTERIES (RECOMMENDED)	L405 (7.5Ah) minimum, L540 (10Ah) recommended
CHARGER (RECOMMENDED)	60V Max** Li-Ion Battery Quick Charger
CUTTING WIDTH	18" (46 cm)
BLADE DESIGN	Steel Blade
DECK MATERIAL	ABS Polymer
HEIGHT OF CUT	0.7 - 1.18 inch (18 - 30 mm)
SLOPE ANGLE	45°
WEIGHT (W/O BATTERY)	35.2 lbs (16.0 kg)
OVERALL HEIGHT	55.5" (1410 mm)
OVERALL WIDTH	22.6" (574 mm)
OVERALL LENGTH	28.1" (716 mm)
WARRANTY	2-Year Limited Warranty



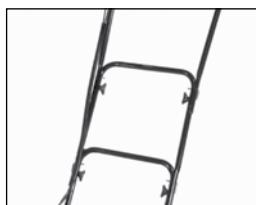
eHoverPro Accessories



Hi-Rise Kit - bolts to existing deck to increase height of cut by 1.4" (3.5 cm) - 02619



Transport Wheels - maneuver your HoverPro with less effort - 02622



Extension Handles - makes working on slopes even easier - 02630



Swing-Back Cutter Blades - 02627



String Line Cutting System - 162-1010

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**Battery manufacturer rating = 60 Volt maximum and 54 Volt typical usage actual voltage varies with load

***Charge up to 6x batteries using one charger.





eProStripe™ 560 / ProStripe® 560

The lightweight, superb collection and striping performance capabilities are further enhanced on the lithium-ion battery-powered eProStripe by quiet operation, low vibrations levels, and zero engine exhaust emissions. With two of Toro's 60V* Flex-Force Power System™ batteries, the electric version is ensured a long run time as well as compatibility across a wide range of hand tools and machinery.

	ePROSTRIPE 560, MODEL 02660T (TOOL ONLY)*	PROSTRIPE 560, MODEL 02657*
CUTTING WIDTH	22" (56cm)	
ROLLER WIDTH	20.5" (52cm)	
REAR ROLLER	Steel, two-piece. Ribbed for superior traction and perfect striping	
POWER	2kW 60V** Brushless DC	Kawasaki® FJ180VKAI OHV 4-cycle, gasoline, 179cc
AIR FILTER	N/A	Dual Element
FUEL TYPE/CAPACITY	Lithium-Ion	Gasoline/0.45 gal (1.7L)
BATTERY SYSTEM	Flex-Force Power System™ All battery types, minimum recommendation 2x 7.5Ah batteries.	N/A
STARTER	Push-Button	Pull Start
DRIVE SYSTEM	MatchDrive™, electric, operates independent to cutter blade	3-Speed Self Propelled
MOWING SPEED	3-speed 1.9, 2.5 or 3.2mph (3.0, 4.0 & 5.2km/h), or Variable speed 1.0 - 3.5mph (1.6 - 5.6km/h)	3-speed 1.9, 2.5, 3.1 mph (3.05, 4.02, 4.98 km/h)
BLADE ENGAGEMENT	Push button, operates independent to transmission	Blade Brake Clutch (BBC)
BLADE SPEED	2,800 rpm (standard), 2,400 rpm (ECO mode)	2,700 rpm
DECK	Die cast corrosion-resistant aluminum	
HEIGHT OF CUT RANGE	0.5" - 2.36" (13 - 60mm)	
HEIGHT OF CUT INCREMENTS	MatchCut™, 0.5"x .127" (13x 3.25mm) increments	
GRASS BAG CAPACITY	21 gallons (80 liters)	
DRY WEIGHT	116.2 lbs. (52.7 kg) w/optional Groomer Brush (without batteries)	145 lbs (66 kg)
BLADE	1.25" (3.2mm) thick swaged steel blade	
FRONT TIRES	9" (225 mm) smooth shoulder tire	
DIMENSIONS (LxWxH)	69.1" (175.5 cm) x 23" (58.6cm) x 40.9" (103.9cm)	
WARRANTY	Two-Year Limited Warranty (mower). 2-Years (Battery - 7.5Ah or greater & Charger - 5.4A & 6-pod chargers)	Two-year limited warranty. Refer to operator's manual for further details.



134-9600	High-Lift Blade (eProStripe only)
162-1458	Front Bumper Kit (Not available with Groomer Brush kit, 134-3722)



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**Battery manufacturer rating = 60V maximum & 54V typical usage. Actual voltage varies with load.





Dingo® Compact Utility Loaders

The versatile and maneuverable Dingo Compact Utility Loader allows you to work in places where only manual labor could go before. Exceptional hydraulic power allows you to accomplish a variety of tasks, even in the toughest soil conditions. Choose from an amazing selection of over 35 attachment options.



DINGO 323, MODEL 22318*						
ENGINE	Kohler® Command Series 23 hp (gross hp), air-cooled, 11.2 gallon (42.4 liter) fuel capacity, 2 quarts (1.9 liter) oil capacity, heavy-duty, 2-stage, remote air filter.					
HYDRAULIC SYSTEM	10.8 gpm (49 lpm) high-flow hydraulic circuit, 4 gpm (18.2 lpm) low-flow hydraulic circuit.					
ELECTRIC SYSTEM	Electric start. Battery: 12-volt, 380 CCA. (435 CCA diesel). Interlocks: Auxiliary valve neutral to start, traction valve neutral to start.					
TIRES AND RIMS	18 x 8.50-10, 8-ply, SSL-LSW pneumatic tires, 10 x 6.00, 5-bolt, drop center rims.					
STEERING	Zero turning type with two control levers, push for forward, pull back for reverse.					
LOADER ARMS	Two control levers push forward to lower/dump, pull back to raise(curl, auxiliary lever for hydraulic attachments; high flow/low flow selector valve lever; hydraulic flow proportioning valve lever. Radial.					
DIMENSIONS	Wheelbase 28" (71 cm)	Ground Clearance 5.8" (15 cm) front 5.8" (15 cm) rear	Overall Length 62" (157.5 cm)	Overall Width 40.5" (103 cm) standard tires 35" (90 cm) narrow tires	Overall Height 48.7" (123.7 cm)	Operating Height 91.2" (231.6 cm)
GROUND SPEED	4.5 mph (7.2 km/h) forward/reverse					
HINGE PIN HEIGHT	66" (167.6 cm) std. bucket in highest position.					
DUMP	47" (119 cm) std. bucket height, 34° std. bucket angle.					
REACH	Maximum: 28" (71.1 cm) std. bucket. Fully raised: 26" (66 cm) std. bucket.					
RATED OPERATING CAPACITY	515 lbs. (234 kg) w/200 lb. (91 kg) operator.					
WEIGHT	1,567 lbs. (711 kg) w/o bucket, 1,713 lbs. (777 kg) w/std. bucket.					
WARRANTY*	Two-year engine warranty, one-year product warranty.					

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TORO

Dingo® TXL 2000

Outstanding reach & lift height – thanks to the telescoping loader arm technology, operators are able to backfill behind a retaining wall, dump material into the center of a full-size dump truck or dumpster and off-load both rows of a trailer from one side with ease.



DINGO TXL 2000, MODEL 22530*	
ENGINE	49.6 hp (37 kW) Kubota® D1803 Diesel
AIR FILTER	Two-stage, heavy-duty, remote
COOLING SYSTEM	Liquid-Cooled
FUEL TANK	18.3 gallons (69.3 liters)
OIL CAPACITY	7.4 quarts (7 liters)
HYDRAULIC PRESSURE	Auxiliary: 3,000 PSI Traction: 4,350 PSI
HYDRAULIC FLOW	Auxiliary: 21.4 gpm Traction: 21.5 gpm (81.4 lpm) each pump
RESERVOIR CAPACITY	15.25 gallons (57.7 liters)
TRACKS	Sprocket-drive, 6 road wheels per side
TRACTION	Dual hydrostatic pump
TRACK DIMENSIONS	162.2 " x 11.8" (413 cm x 30 cm)
WHEELBASE	53.7" (136.4 cm)
GROUND CLEARANCE	6.3" (16 cm)
OVERALL DIMENSIONS (WXLXH) WITH BUCKET	54" x 136.9" x 67.8" (137 x 348 x 172 cm)
OVERALL DIMENSIONS (WXLXH) WITHOUT BUCKET	54" x 98.8" x 67.8" (137 x 251 x 172 cm)
MAXIMUM OPERATING HEIGHT	Telescoping 67.8" (172 cm)
HINGE PIN HEIGHT	123.4" (313 cm)
DUMP HEIGHT	88.9" (226 cm)
DUMP ANGLE	46.3 degrees
REACH - FULLY RAISED	45.2" (114.8 cm)
GROUND SPEED	5.4 mph (8.6 km/h)
WEIGHT	6,655 lbs (3,019 kg)
RATED OPERATING CAPACITY	2,000 lbs (907 kg) retr, 920 lbs (417 kg) ext.
GROUND PRESSURE	5.3 PSI (.365 bars)

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Dingo® TX Compact Utility Loaders

The original tracked compact utility loader, the TX 427 and TX 525, deliver durability and reliability contractors trust, combined with powerful performance and incredible versatility. Now, the family of Dingo welcomes the The NEW Dingo TX 1000 TURBO. The Dingo TX 1000 TURBO boasts an impressive 1,000 lb. rated operating capacity in addition to the outstanding lift height of 81" to clear the side of 30-yard dumpsters and one-ton trucks.



DINGO TX 427, MODEL 22321*						
ENGINE	Kohler® Command PRO™ Series CH740, air-cooled. 1 fuel tank: 6 gallon (23 liter), 2 quarts (2.95 liter) oil capacity, two-stage, heavy-duty remote air filter. Standard oil cooler.					
HYDRAULIC SYSTEM	3000 psi system relief pressure, 11.4 gpm auxiliary flow; 6 gpm (22.7 lpm) loader arm, 16.9 gpm (64 lpm) traction (each pump) 10.5 gallon (40 liter) reservoir capacity, 10-micron replaceable hydraulic filter, hydraulic cooler.					
ELECTRIC SYSTEM	Electric start. Battery: 12-volt, 585 CCA. (450 CCA diesel). Interlocks: Auxiliary valve neutral to start, traction valve neutral to start.					
TRACK	Narrow Track: Endless Kevlar™ reinforced rubber 96.6" x 5.9" (245 x 15 cm), single internal tooth drive. Wide Track: Endless Kevlar™ reinforced rubber 96.6" x 9.5" (245 x 24 cm), single internal tooth drive.					
TRACK DRIVE	Sprocket-Drive, 10 road wheels per side, cast-iron track guide.					
STEERING	Single control with reference bar.					
LOADER/HYDRAULIC	Joystick control for all functions, raise/lower, dump(curl and float. Two step motion control for auxiliary hydraulics.					
PARKING BRAKE	Single lever pin in hole system.					
INDICATORS	Audio and visual warning for hydraulic system.					
DIMENSIONS	Wheelbase 31.2" (79 cm)	Ground Clearance 4.6" (11.7 cm)	Overall Length 92" (233.7 cm) with bucket 70.7" (180 cm) w/o bucket	Overall Width 33.7" (85.6 cm) narrow track 41" (104 cm) wide track	Overall Height 46.1" (117.1 cm)	Operating Height 90.1" (229 cm)
GROUND SPEED	0-4.5 mph (0 - 7.2 km/h) forward, 0-2 mph (0 - 3.2 km/h) reverse.					
HINGE PIN HEIGHT	65.8" (167.1 cm)					
DUMP	46.1" (117.1 cm) height, 38° angle.					
REACH	21.8" (55.4 cm), fully raised.					
RATED OPERATING CAPACITY	535 lbs. (243 kg)					
WEIGHT	Narrow Track: 1,882 lbs. (854 kg) w/o standard bucket, 1,993 lbs. (904 kg) w/standard bucket. Wide Track: 1,990 lbs. (902 kg) w/o standard bucket, 2,101 lbs. (953 kg) w/standard bucket.					
WARRANTY*	Three-year engine warranty, one-year product warranty.					

DINGO TX 525 & DINGO TX 525 WIDE TRACK, MODELS 22323 & 22324*						
ENGINE	Kubota® D902E3B, 6 gallon (23 liter) tank, 3.84 quarts (3.63 liter) oil capacity, liquid cooled, diesel. Biodiesel-Ready for use up to B-10 (10% biodiesel and 90% petroleum blend).					
HYDRAULIC SYSTEM	3000 psi system relief pressure, 13.8 gpm auxiliary; 6 gm loader arm; 16.9 gpm traction (each pump), 10.5 gallon (40 liter) reservoir capacity.					
ELECTRIC SYSTEM	Electric start. Battery: 12-volt, 585 CCA. (450 CCA diesel). Interlocks: Auxiliary valve neutral to start, traction valve neutral to start.					
TRACK	Narrow Track: Endless Kevlar™ reinforced rubber 96.6" x 5.9" (245 x 15 cm) Wide Track: Endless Kevlar™ reinforced rubber 96.6" x 9.5" (245 x 24 cm)					
TRACK DRIVE	Sprocket-Drive, 10 road wheels per side, cast iron track guide, dual hydrostatic pump.					
STEERING	Single control with reference bar.					
LOADER/HYDRAULIC	Joystick control for all functions, raise/lower, dump(curl and float. Two step motion control for auxiliary hydraulics.					
PARKING BRAKE	Single lever pin in hole system.					
INDICATORS	Audio and visual warning for hydraulic system.					
DIMENSIONS	Wheelbase 31.2" (79.2 cm)	Ground Clearance 4.6" (11.7 cm)	Overall Length 92" (233.7 cm) with bucket 70.7" (180 cm) w/o bucket	Overall Width 33.7" (85.6 cm), narrow track 41" (104 cm), wide track	Overall Height 46.1" (117.1 cm)	Operating Height 90.1" (229 cm)
GROUND SPEED	0-4.5 mph (0-7.2 km/h) forward, 0-2 mph (0 - 3.2 km/h) reverse.					
HINGE PIN HEIGHT	65.8" (167.1 cm).					
DUMP	46.1" (117.1 cm) height, 38° angle.					
REACH	21.8" (55.4 cm) fully raised.					
RATED OPERATING CAPACITY	553 lbs. (251 kg).					
WEIGHT	Narrow Track: 1,904 lbs. (864 kg) w/o standard bucket, 2,015 lbs. (914 kg) w/standard bucket. Wide Track: 2,013 lbs. (913 kg) w/o standard bucket, 2,124 lbs. (963 kg) w/standard bucket.					
WARRANTY*	Two-year engine warranty, one-year product warranty.					

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DINGO TX 700 NARROW TRACK, MODEL 22351*		DINGO TX 700 WIDE TRACK, MODEL 22352*
ENGINE		24.7 HP (18 kW) @ 3,000 rpm Yanmar® 3TNV80F
AIR FILTER		Dual Element
COOLING SYSTEM		Combo downflow radiator and oil cooler
FUEL TANK		5.5 gallons (20.8 liters)
OIL CAPACITY		3.6 quarts (3.4 liters)
HYDRAULIC PRESSURE		3,000 PSI
RESERVOIR CAPACITY		10 gallons (37.9 liters)
TRACKS	Camso B-Tread	Camso Turf Friendly
TRACTION		Dual hydrostatic pump
TRACK DIMENSIONS	5.4" x 126.6" (13.7 cm x 321.6 cm)	9.1" x 126.6" (23.1 cm x 312.6 cm)
WHEELBASE		39" (99 cm)
GROUND CLEARANCE		5.25" (13.3 cm)
OVERALL DIMENSIONS (WxLxH) WITH BUCKET	34.2" x 102.8" x 55.3" (86.9 x 261.1 x 140.5 cm)	41.4" x 102.8" x 55.3" (105.2 x 261.1 x 140.5 cm)
OVERALL DIMENSIONS (WxLxH) WITHOUT BUCKET	34.2" x 82" x 55.3" (86.9 x 208.3 x 140.5 cm)	40.2" x 82" x 55.3" (102.1 x 208.3 x 140.5 cm)
MAXIMUM OPERATING HEIGHT		97" (246.4 cm)
HINGE PIN HEIGHT		73.5" (186.7 cm)
DUMP HEIGHT		52.9" (134.4 cm)
DUMP ANGLE		42-degrees
REACH - FULLY RAISED		31" (78.7 cm)
GROUND SPEED		4.0 mph (6.4 km/h)
WEIGHT	2,756 lbs (1250 kg)	2,862 lbs (1298 kg)
RATED OPERATING CAPACITY	700 lbs (317.5 kg)	708 lbs (321.1 kg)
GROUND PRESSURE	13 PSI	8 PSI



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DINGO TX 1000 & DINGO TX 1000 WIDE TRACK, MODELS 22327 & 22328*						
ENGINE	Kubota® D1305 Diesel, 11.5 gallon (44 liter) tank, 6.0 quarts (5.7) liter oil capacity, liquid cooled, diesel. Biodiesel-Ready for use up to B-10 (10% biodiesel and 90% petroleum blend).					
HYDRAULIC SYSTEM	3000 psi system relief pressure, 15.2 gpm auxiliary; 13.3 gpm loader arm; 13.3 gpm traction (each pump), 10 gallon (45.5 liter) reservoir capacity.					
ELECTRIC SYSTEM	Electric start. Battery: 12-volt, 585 CCA. (450 CCA diesel). Interlocks: Auxiliary valve neutral to start, traction valve neutral to start.					
TRACK	Narrow Track: Endless Kevlar™ reinforced rubber 127.6" x 5.9" (324 x 15 cm), single internal tooth drive. Wide Track: Endless Kevlar™ reinforced rubber 127.6" x 9.5" (324 x 24 cm), single internal tooth drive.					
TRACK DRIVE	Sprocket-Drive, 6 road wheels per side, cast iron track guide, dual hydrostatic pump.					
STEERING	Single control with joystick.					
LOADER/HYDRAULIC	Joystick control for all functions, raise/lower, dump(curl and float. Two step motion control for auxiliary hydraulics.					
PARKING BRAKE	Single lever pin in hole system.					
INDICATORS	Audio and visual warning for hydraulic system.					
DIMENSIONS	Wheelbase 41" (104 cm)	Ground Clearance 6.0" (15 cm)	Overall Length 100.7" (256 cm) with bucket 81.7" (208 cm) w/o bucket	Overall Width 33.7" (86 cm), narrow track 41" (104 cm), wide track	Overall Height 53.2" (135 cm)	Operating Height 105" (267 cm)
GROUND SPEED	Model 22327: 1-3.8 mph (1.6 - 6.1 kmh) forward and reverse. Model 22328: 4.7 mph (7.6 km/h).					
HINGE PIN HEIGHT	81" (206 cm).					
DUMP	61" (155 cm) height, 40° angle.					
REACH	24.5" (62 cm) fully raised.					
RATED OPERATING CAPACITY	Narrow Track: 1,000 lbs. (454 kg). Wide Track: 1,075 lbs. (488 kg).					
WEIGHT	Narrow Track: 2,785 lbs. (1263 kg) Wide Track: 2,790 lbs. (1266 kg)					
GROUND PRESSURE	Narrow Track: 5.6 PSI (.386 bars) Wide Track: 3.6 PSI (.248 bars)					
WARRANTY*	Two-year engine warranty, one-year product warranty.					



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Dingo® Compact Utility Loader Specifications

DINGO TX 1000 TURBO, MODEL 22587*		DINGO TX 1000 TURBO WIDE TRACK, MODEL 22588*
ENGINE	24.7 HP** (18.4 kW*) Yanmar® 3TNV80FT Turbo Diesel Tier 4 & EU Stage 5 compliant	
AIR FILTER	Remote: Primary and Safety Elements	
COOLING SYSTEM	Combo downflow radiator and oil cooler	
FUEL TANK	10.25 gallons (38.8 liters)	
OIL CAPACITY	3.8 quarts (3.6 liters)	
HYDRAULIC PRESSURE	3,000 PSI	
HYDRAULIC FLOW	Traction: 12.3 gpm (each pump) Auxiliary: High Flow 13.2 gpm, Low Flow 4.9 gpm	
CAPACITY	System 11.5 gallons (43.5 liters) Reservoir 8.6 gallons (32.5 liters)	
TRACKS	MERT track with "B" style tread	MERT track with Turf Friendly style tread
TRACTION	Dual hydrostatic pump	
TRACK DIMENSIONS	126.6 x 5.9" (321.6 cm x 15.0 cm)	126.6" x 9.1" (321.6 cm x 23.1 cm)
WHEELBASE	39" (99.1 cm)	
GROUND CLEARANCE	5.9" (15.0 cm)	
OVERALL DIMENSIONS (WxLxH) WITH BUCKET	42.2" x 104.0" x 54.6" (107.2 x 264.2 x 138.7 cm)	42.2" x 104.0" x 54.5" (107.2 x 264.2 x 138.4 cm)
OVERALL DIMENSIONS (WxLxH) WITHOUT BUCKET	34.6" x 83.0" x 54.6" (87.9 x 210.8 x 138.7 cm)	39.9" x 83.0" x 54.5" (101.3 x 210.8 x 138.4 cm)
MAXIMUM OPERATING HEIGHT	106.2" (269.7 cm)	
HINGE PIN HEIGHT	81" (205.7 cm)	
DUMP HEIGHT	60.3" (153.2 cm)	
DUMP ANGLE	40-degrees	
REACH - FULLY RAISED	23.3" (59.2 cm)	
GROUND SPEED	4.1 mph (6.6 km/h)	
WEIGHT	2,826 lbs (1,282 kg)	2,911 lbs (1,320 kg)
RATED OPERATING CAPACITY***	1,000 lbs (453.5 kg)	
GROUND PRESSURE	6.1 PSI	4.1 PSI



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**As rated by the engine manufacturer. Starting January 1, 2025 the specifications on this engine will change to 23.2hp and 17.3kW

***Per ISO 14397-1



DINGO TX 1300, MODEL 22370*	
ENGINE	37 HP (27 kW) Yanmar® diesel
AIR FILTER	Remote dual element
COOLING SYSTEM	Combo downflow radiator and oil cooler, independent fuel cooler
FUEL TANK	11 gallons (42 liters)
OIL CAPACITY	5 quarts (4.7 liters)
HYDRAULIC PRESSURE	3,200 PSI (22,063 kPa)
HYDRAULIC FLOW	Traction: 13.4 gpm (each pump) Auxiliary: 14.3 gpm
RESERVOIR CAPACITY	9.2 gallons (34.8 liters)
TRACKS	MERT track with "TF" style tread
TRACTION	Dual hydrostatic pump
TRACK DIMENSIONS	126.6" x 9.1" (321.5 cm x 23.1 cm)
WHEELBASE	39" (99.0 cm)
GROUND CLEARANCE	5.9" (14.9 cm)
OVERALL DIMENSIONS (WxLxH) WITH BUCKET	46" x 103.1" x 56.5" (116.8 x 261.8 x 143.5 cm)
OVERALL DIMENSIONS (WxLxH) WITHOUT BUCKET	46" x 84.9" x 56.5" (116.8 x 215.6 x 143.5 cm)
MAXIMUM OPERATING HEIGHT	133" (337.8 cm)
HINGE PIN HEIGHT	109.2" (277.3 cm) - extended 89.4" (227.0 cm) - retracted
DUMP HEIGHT	90.7" (230.3 cm) - extended 70.9" (180.0 cm) - retracted
DUMP ANGLE	38-degrees
REACH - FULLY RAISED	26.7" (67.8 cm)
GROUND SPEED	4.7 mph (7.6 km/h)
WEIGHT	3,858 lbs (1,749.9 kg)
RATED OPERATING CAPACITY	618 lbs (280.3 kg) - extended 1,300 lbs (589.6 kg) - retracted
GROUND PRESSURE	5.5 PSI



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DINGO ATTACHMENTS*	
HIGH TORQUE AUGER POWER HEAD	High torque for digging large holes from 6"-30" (15.2 - 76.2 cm) in diameter in difficult conditions.
UNIVERSAL SWIVEL AUGER POWER HEAD	High speed auger drive head creates plumb holes on various slopes from 6-18" (15.2 - 45.7 cm) in diameter.
BACKHOE	Prepare job site by digging, loading, trenching, back filling or doing demolition. Digs up to 82" (208 cm) deep.
SOIL CULTIVATOR	Designed for seed and flower bed preparation. Cultivates and levels soil. Blends landscape materials, compost, and fertilizer.
NARROW BUCKET	Creates incredible digging power in narrow spaces. Equipped with a high carbon cutting edge for superior wear.
STANDARD BUCKET	Use this standard bucket for moving rock, dirt, sand or other materials from the job site. 4.3 cu ft (0.121 cu m) capacity. 9.0 cu ft (0.255 cu m) option available
LIGHT MATERIALS BUCKET	Larger capacity to move light materials such as chip bark, mulch, and loam. 6.4 cu. ft. (0.181 cu m) capacity.
FORKS - ADJUSTABLE	Carry and maneuver posts, irrigation supplies and plant materials.
LEVELER	Easily spreads and grades dirt. Eliminates hand raking. Also carries a multitude of materials around the job site.
TRENCHER	Dig a trench up to 3" (91.4 cm) deep and 4-12" (10.1 - 30.5 cm) wide. Great for creating bed edges.
TRENCH FILLER	Overall width: 62" (157 cm); working width: 48" (122 cm); auger diameter: 14" (35.5 cm); float distance: 6" (15.2 cm); weight: 410 lbs (186 kg).
TILLER	40" (101.6 cm) wide and able to till over 6" (15.2 cm) deep on one pass.
HYDRAULIC BLADE	This 4' (122 cm) wide blade is used for back filling trenches, grading, and pushing snow.
BORE DRIVE HEAD AND ROD & REAMER KIT	Compact and functional, used to bore below sidewalks, driveways, etc. in both confined and open areas. A choice of assorted rod lengths allows for operation in both confined and open areas.
HYDRAULIC BREAKER	Multi-position mounting head lets you break in vertical and horizontal positions.
CEMENT BOWL	Lets you mix cement, haul and pour it directly where you want in one step.
MULTI-PURPOSE TOOL (BOOM AND TOW BAR)	Boom - Excellent for hauling trees. Tow bar - Use this for moving trailers.
STUMP GRINDER	17" (43.1 cm) cutting wheel with 12 carbide-tipped teeth allows you to grind stumps up to 16.5" (42 cm) below grade.
TRAILER	Upfitted with custom racks, tray and stands to accommodate easy access and placement of the Dingo compact utility loader and all of its attachments.
VIBRATORY PLOW	Elliptical vibrating motion pulls irrigation pipe or installs wire through difficult soil conditions. Unique threaded bullet easily and securely connects pipe to puller. Other options available: STD bullet, basket grips x2, link, king pullers x3.
POWER BOX RAKE	Designed for seed preparation. Adjust depth to fill, plane and pulverize soil. Carbide teeth remove rocks and debris, leaving a dimpled surface ideal for moisture retention.

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TORO

TRX Trenchers

Toro TRX walk-behind trenchers are now more efficient and powerful than ever. We've improved our lineup with two new models that combine the groundbreaking maneuverability the TRX walk-behind trencher is known for with even better performance and serviceability. New design enhancements make these models easier to operate, thanks to improved hydraulics and streamlined controls. Plus, new **Intelli-Trench®** technology automatically adjusts the hydraulic flow — putting power where you need it so you can maximize productivity. Plus, with significantly fewer parts, the newer models require less maintenance.



TRX Trencher Specifications

	TRX-16, MODEL 22972*	TRX-250, MODEL 22983*	TRX-300, MODEL 22984*		
ENGINE	14.5 hp (10.8 kW) @ 3,600 rpm Kawasaki® FS481V, V-twin	24.5 hp (18.3 kW) @ 3,600 rpm Toro® V-twin	26.5 hp (19.8 kW) @ 3,600 rpm Kohler® ECV749, EFI		
COOLING SYSTEM	Air-Cooled				
FUEL TANK	2.1 gallons (7.9 liters)	4.0 gallons (15.1 liters)			
OIL CAPACITY	1.8 quarts (1.7 liters)	2.5 quarts (2.4 liters)	2.0 quarts (1.9 liters)		
START METHOD	Recoil start	Electric start			
HOUR METER	Standard				
TRANSPORT SPEED	2.4 mph (3.9 km/h) / 1.2 mph (2.4 km/h) 211 ft/min (64.3 m/min) / 132 ft/min (40.2 m/min)	2.3 mph (3.7 km/h) / 1.2 mph (2.4 km/h) 202 ft/min (61.6 m/min) / 132 ft/min (40.2 m/min)			
HYDRAULIC PRESSURE	2,900 psi	2,670 psi	2,610 psi		
HYDRAULIC FLOW	Trencher: 10.0 gpm (38 lpm) Traction (each pump): 9.5 gpm (36 lpm)	Trencher: 13.2 gpm (50.0 lpm) Traction: 16.2 gpm (61.3 lpm) Transport 3.0 gpm (11.4 lpm) Trenching			
HYDRAULIC RESERVOIR CAPACITY	6.3 gallons (23.8 liters)				
HYDRAULIC OIL COOLER	Standard				
HEADSHAFT SPEED	226 rpm with 315 ft/lbs of torque	210 rpm with 498 ft/lbs of torque			
TRACK	5.9" (15 cm) wide – endless nylon reinforced rubber				
TRACK DRIVE	Sprocket-drive, 3 road wheels per side				
TRACTION	Dual hydrostatic pump	Two-section hydraulic pump with two hydraulic motors (one for each track)			
GROUND PRESSURE	24" (61 cm) boom = 4.1 psi 36" (91 cm) boom = 4.3 psi 48" (122 cm) boom = 4.4 psi	24" (61 cm) boom = 4.1 psi 36" (91 cm) boom = 4.4 psi 48" (122 cm) boom = 4.5 psi			
DIMENSIONS**					
OVERALL DIMENSIONS	With 24" Boom Up & Chain (WxLxH): 33.8" x 82.5" x 46" (86 cm x 210 cm x 117 cm)				
WHEEL BASE	23" (58 cm)				
WEIGHT	1,114 lbs (505 kg)	1,104 lbs (501 kg)	1,114 lbs (505 kg)		
BOOM OPTIONS					
DEPTHs	24", 36" and 48" (61 cm, 91 cm and 122 cm)				
WIDTHs	4" and 6" (10 cm and 15 cm)		4", 6" and 8"** (10 cm, 15 cm and 20 cm)		

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**8-in chain conversion kit available through parts only.



TORO

STX-26 & STX-38 Stump Grinders

From pine to oak, the Toro STX stump grinder turns stumps to chips quickly and efficiently. Its patented Toro® Dingo® TX-style control system has two simple levers that are simple to learn, master and use. Combine these easy-to-use controls with tracks and transport speeds exceeding 4 mph, and you get maximum productivity.



SGR Handle Bar Stump Grinders

Toro's line of handle bar grinders are great for grinding small stumps in areas with tight access. Well-balanced, easy to operate and simple to maintain, these models provide some of the smoothest cutting performance of any handle bar stump grinder on the market.



STX Stump Grinder / SGR Handle Bar Stump Grinders

Specifications

STX-26 STUMP GRINDER, MODEL 23208*		STX-38 STUMP GRINDER, MODEL 23214*
ENGINE	Kawasaki® FX-730V	Kohler® Command Pro® ECV980 EFI
HYDRAULICS	13.5 gpm (51.1 liters per minute) hydraulic flow to head.	15 gpm (56.8 lpm) max flow to each side
WHEEL	19" (48.3 cm) diameter to tooth; .75" (1.9 cm) thick; 12 teeth.	22.25" (56.5 cm) diameter, 1.0" (2.54 cm) thick, 16 Greenteeth
CUTTER DEPTH	12.5" (31.7 cm) below grade.	18" (45.7 cm)
CUTTER HEIGHT	33" (83.8 cm) above grade.	35" (88.9 cm)
HEAD SWING	47" (119.4 cm) arc.	52" (132 cm) Radius, 60 degree arc
DIMENSIONS	Width: 34" (86.4 cm) Length: 78" (198 cm) Height: 46" (116.8 cm)	Width: 34" (86 cm) Length: 95" (241 cm) Height: 51" (130 cm)
WEIGHT	1,200 lbs. (544.3 kg)	1,750 lbs. (794 kg)

PORTABLE STUMP GRINDERS		
SGR-6, MODEL 22600*		SGR-13, MODEL 22615*
ENGINE	Honda® GX200	Honda® GX390
CLUTCH	Centrifugal	Centrifugal
CUTTER DEPTH	6" (15.2 cm) below grade	11" (27.9 cm) below grade
CUTTER HEIGHT	10.4" (26.4 cm) above grade	14" (35.6 cm) above grade
WHEEL	12-tooth Quadrublade™, 9.5" (24.1 cm) diameter to tooth	12-tooth Quadrublade™, 9.5" (24.1 cm) diameter to tooth
BELT	Cogged Belt	Double 3V Belt
DIMENSIONS	Width: 22" (55.9 cm), Length: 50" (127 cm), Height: 42.3" (107.4 cm)	
WEIGHT	103 lbs. (46.7 kg)	
	Width: 29.5" (74.9 cm), Length: 76" (193 cm), Height: 42" (106.7 cm)	

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24" & 30" Stand-On Aerators

Built for the demands of busy landscape contractors, both aerators pack the power of a larger model in a smaller footprint so you can maneuver with ease. Now you can reach areas that could previously only be accessed by a walk-behind unit, saving time on projects both large and small.



	24" STAND-ON AERATOR, MODEL 39514†	30" STAND-ON AERATOR, MODEL 39521†
ENGINE/FUEL CAPACITY	Kohler® CH 440 Engine, Gas/1.85 Gal (7 L) fuel capacity	Kawasaki FS481, V-Twin Engine, Gas/5 Gal (18.9 L) fuel capacity
AERATING WIDTH	24" (60.9 cm)	30" (76.2 cm)
AERATING DEPTH	Up to 5" (12.7 cm)	Up to 5" (12.7 cm)
TINES	36	48
MAXIMUM FORWARD SPEED	Up to 6.8 mph (11.3 km/h) fwd, 2.2 mph (3.5 km/h) rev	Up to 7.5 mph (12.1 km/h) fwd, 2.2 (3.5 km/h) mph rev
COVERAGE RATE PER HOUR	1.5 Acres	2.0 Acres
DIMENSIONS	Width: 35.5" 90.2 cm Length: 68.62" (174.3 cm) Height: 51.02" (129.6 cm)	Width: 48" (121.9 cm) Length: 65" (165.1 cm) Height: 53" (134.6 cm)
WEIGHT	856 lbs. (388 kg)	1,015 lbs. (460.4 kg)

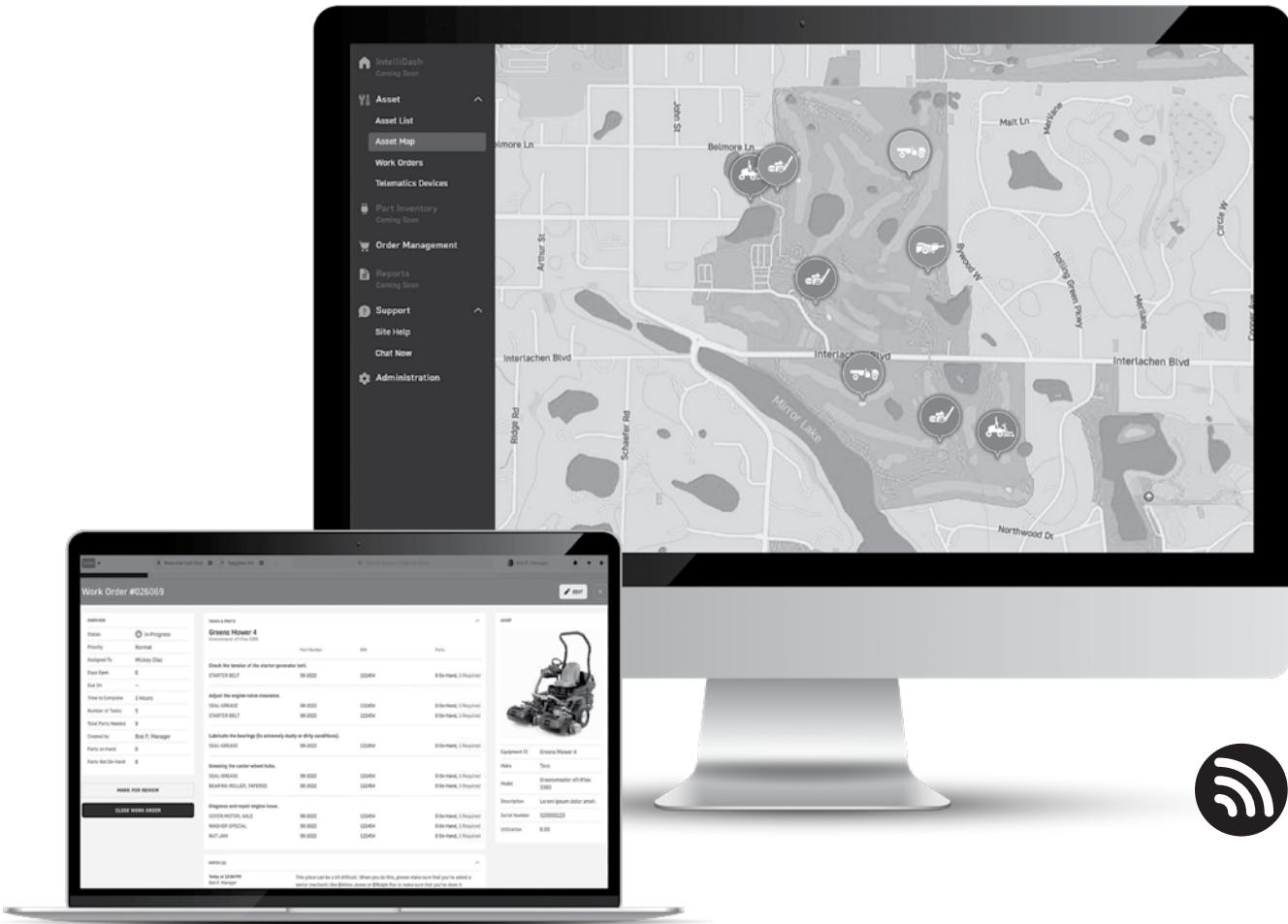
†CARB compliant model.

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All walk-behind machines comply with ANSI safety standards: B71.4 for commercial turf care equipment or B71.8 for OPE walk-behind ground-engaging equipment.



TORO®**Intelli360®****NEW**

USING THE POWER OF DATA HAS NEVER BEEN EASIER.

From your staff and your fleet to conditions on your course, you have a lot to keep track of. Toro Intelli360 makes it easier to monitor where your equipment is located, the maintenance it needs and how it's being utilized so you can plan proactively. This digital toolbox is accessible from anywhere, on any web-enabled device.

WITH INTELLI360, YOU CAN:

- Locate and track your equipment
- Minimize downtime
- Schedule efficiently
- Manage inventory
- Plus, many more enhancements are coming soon!

toro.com/intelli360



Protection Plus™ Extended Protection Plan

Run Your Maintenance Budget at Peak Efficiency

Toro equipment is designed and built to deliver years of dependable performance and maximize your staff's productivity. To help protect this investment, Toro offers an industry-leading protection plan so you can confidently run your equipment day-in and day-out. As long as your equipment is still within its standard warranty period, you can choose to extend your protection up to a full 5 years after purchase; covering mechanical breakdowns – with no deductible – and guaranteeing repairs are performed by qualified, experienced Toro technicians using only genuine Toro parts. And, Toro Protection Plus plans are a great value: Given the increasing sophistication of equipment, the cost of unexpected repairs could easily exceed the cost of a plan.

- **Equipment still covered under the Toro standard warranty (calendar & hours)**
- **Up to 3 additional years of coverage**
- **\$0 deductible**



**For more information about Toro Protection Plus:
Contact your Toro Distributor or visit at toro.com/tpp**



Financing

A Plan Makes All the Difference

Financing is a tool to acquire the right equipment with the right terms to optimize your capital and operating budgets. We have a full array of financing options to accommodate your unique needs. We listen and can help you identify the potential financing benefits that are available. Whether choosing maintenance equipment or irrigation components for a renovation, Toro Financing has a unique plan to meet your exact goals. Your Toro representative has experience and is trained to help you look beyond simply financing one item to the next, to looking at your longer-term equipment and economic needs. It's not a one size fits all plan. Looking at the total picture will help you find the right acquisition solution for your individual needs. Please contact your local Toro distributor for complete details.





Genuine Parts



Keep it Genuine!

Every time you use Genuine Toro Parts, you can be confident that your equipment will perform at its best. You'll always receive the same parts for service that are used on the manufacturing line. We understand you need parts that will work right the first time, every time. That's the Toro commitment to quality.

Genuine Toro Parts are supported by:

- 24-hour delivery whenever possible
- Complete inventory, 100% coverage
- Knowledgeable, friendly and dedicated customer service



**For more information about Toro Genuine Parts:
Contact your Toro Distributor or visit at toro.com/commercialparts**



University

Along with our full complement of products and services is a wide variety of training opportunities. Contact your Toro distributor to learn about Toro Factory Service Schools. Also, browse the training and customer support areas of Toro.com and Toronsn.com for readily available service education and training materials.





LEARN MORE

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OR VISIT US AT: **toro.com**

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