

OPERATOR-FRIENDLY AND SMART BY DESIGN.

With Smart Power™ technology, high engine torque and patented, HybridDrive™ cutting deck system, the Groundsmaster® 4000-D and the all out-front deck design Groundsmaster® 4100-D deliver power where you need it most – to cut grass, no matter how tough the conditions. With their excellent trimming capability, you'll manoeuvre around obstacles with ease. Both mowers can mow a 0" uncut circle, allowing you to mow back and forth patterns without leaving any uncut grass. The patented, parallel hydraulic traction system maintains consistent hydraulic flow between the front and rear wheels to assure full time 4-wheel drive. This allows you to mow with confidence, even on hills and wet grass.

Add a climate-controlled safety cab and you have unbeatable productivity for all seasons. The Groundsmaster® 4010-D and all out-front deck design Groundsmaster® 4110-D are outfitted with a climate-controlled safety cab. Operators work comfortably in a fully enclosed factory-installed cab with a four-post rollover protection structure (ROPS) and tempered safety glass.



Groundsmaster 4100-D



Groundsmaster 4000-D

FEATURES

- **Smart Power™ Technology**

Smart Power™ feature prevents the machine from bogging down in heavy cutting conditions and keeps the blade speed at optimum cutting speed in any condition by automatically slowing down the traction unit ground speed to give more power to the blades.

- **SmartCool™ Technology**

The Groundsmaster 4000-D and 4100-D are engineered with our exclusive SmartCool™ technology, so when things heat up under the hood, the system briefly reverses the cooling fan to blast chaff and debris from the air intake screens. The result is nonstop productivity.

- **Full-time Bi-directional 4WD**

There is no such thing as perfect mowing conditions, with this in mind the Groundsmaster 4000-D and 4100-D are designed with a patented parallel hydraulic traction system. This traction system maintains constant hydraulic flow between

the front and rear wheels, assuring all-time 4-wheel drive in both forward and reverse. Always allowing you to mow around objects on challenging hills with confidence. Individual front wheel brakes are also applied as needed to provide additional traction control in tough conditions.

- **HybridDrive™ Cutting Deck System**

Cutting deck system delivers unmatched reliability. As the HybridDrive™ cutting deck system effortlessly powers the spindles on each deck, and the shallow design quickly disperses the clippings, the Groundsmaster is able to devour more grass faster than ever before.

- **Ergonomics**

The design optimises operator comfort and ease of operation, making the task of mowing safer and faster. The position of key controls at the operator's fingertips, exceptional line of sight added to the isolated platform and 4-way

adjustable air ride suspension seat create a more comfortable experience for the operator.

- **InfoCenter™**

The InfoCenter monitoring and control system puts all the information an operator needs at their fingertips. Get instant updates about potential problems and diagnostics for simpler maintenance. Change speed on the move, control operator settings and receive handy notifications to minimise downtime.

- **0" Uncut Circle in Turns**

This impressive trimming capability allows you to cut around even the smallest object. The ability to mow a 0" uncut circle - without wheel brakes - allows you to easily mow striping patterns without leaving any grass uncut. Smooth turning is made possible by a tight 140 cm (55") wheelbase and an inner, rear-steering turning angle of 53.5 degrees.

**GROUNDMASTER 4000-D/4010-D
MODEL 30605/30635**

**GROUNDMASTER 4100-D/4110-D
MODEL 30604/30643**

ENGINE	Yanmar® 4TNV84T 4-cylinder, liquid-cooled, turbo-charged diesel. 121.7 cu. in. (2 litres) displacement. Engine rated at 48 hp (36 kW) net and 113 ft.-lbs. (153 Nm) torque at 2,000 rpm. 8 quart (7.6 litre) oil capacity. EU Stage III B standards Tier IVi.	
AIR CLEANER	Dry, replaceable primary and safety elements.	
RADIATOR	Rear-mount, cross-flow, 7-row, 6.3 fins per inch, 9 quart (8.5 litre) capacity.	
FUEL CAPACITY	21 gallons (79.5 litres) 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/4010-D models, optional on GroundsMASTER 4100-D/4110-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 litre) capacity with 10 micron remote spin-on filter. 9 row, single pass cooler, 6.3 fins per inch, that tilts out for cleaning. 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: 0-15 mph (0-25 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.	
TYRES	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.	
INTSTRUMENTATION	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, 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 x two position switches for individual deck lift/lower, counterbalance adjustment, tow valves, cup holder, toolbox, radio holder, fan switch and 12-volt power outlet.	
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, info center 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: 30605: 85.3" (217 cm) w/ ROPS up 30635: 93.9" (238.5 cm) w/ cab Length: 135" (343 cm) w/ decks down Width: 136" (345 cm) w/ decks down Transport Width: 71" (180 cm) @ 2" (5 cm) HOC Wheelbase: 55" (140 cm)	Height: 30604: 85.3" (217 cm) w/ ROPS up 30643: 93.9" (238.5 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" (140 cm)
WEIGHT	30605 : 4,091 lbs. (1,856 kg) w/ full fluids 30635: 4,645 lbs. (2,107 kg) w/ full fluids	30604 : 4,123 lbs. (1,870 kg) w/ full fluids 30643: 4,775 lbs. (2,166 kg) w/ full fluids
SAFETY CAB (GM 4010-D & 4110-D MODELS ONLY)	ROPS certified cab with heat, AC and the following standard features: climate system pressurised 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/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.	
CUTTING DECK		
TYPE	Three rear discharge rotary	One rear discharge rotary
WIDTH OF CUT	Overall: 132" (335 cm), Front: 62" (157.5 cm), Wings: 42" (106.7 cm), Overlap: 7" (17.8 cm).	Overall: 124" (315 cm), Center deck section: 54" (137.1 cm), Two 37" (94 cm) width of cut wings. 89" (226 cm) width of cut with one wing up.
MOWING RATE [^]	Mows up to 11.0 acres/h (4.5 hectares/h) at 8.3 mph (13.4 km/h). Assumes no overlap or stops.	
CONSTRUCTION	Welded .100" (2.54 mm) steel with 7 and 10-gauge steel channel and plate reinforcements, bullnose bumpers.	
HYBRID 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" (25.4-127 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	21.75" (55.2 cm) long, 2.5" (6.4 cm) wide, .25" (.64 cm) thick.	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 on each deck, 4 anti-scalp rollers on front deck and 1 on each wing.	6" anti-scalp cups on each blade, adjustable skids, 3 anti-scalp rollers on front deck and 1 on each wing.
WING PROTECTION	Bi-directional, impact absorption device on each wing deck.	Impact absorption device on each wing deck.
SKIDS	Reversible polymeric.	

[^]Actual mowing rates may vary depending on operator and conditions.

TRACTION UNIT ACCESSORIES

Universal Mount Sunshade, White
Light Kit with ROPS
Cab-Light Kit (for model 30635 & 30643)
Horn Kit
Back Alarm Kit
Rotating Beacon Kit
Flow Divider Kit (for model 30604 & 30643)
Caster Wheel Scraper
4WD Manual Override

CUTTING DECK ACCESSORIES

Guardian Recycler Kit (for model 30605 & 30635)
Leaf Mulch Kit

MAINTENANCE KIT

MVP Filter Kit

THE NEW IMPROVED ALL SEASON TORO SAFETY CAB

Improved comfort means improved productivity. The ROPS-certified cab comes standard with air conditioning and heat as well as superb all-round visibility. Easy access for maintenance, front and rear opening windows for 100% outside airflow and low profile roof are some of the features of this Toro factory-fitted cab.

Other features include heavy-duty pantograph front windshield wiper; interior mirror and dome light; fold away exterior side mirrors; right and left doors and rear window have tinted glass; quick-release window latches on front and rear windows enable emergency exit on four sides; rubber sound isolator cab mounts; upholstered interior panels and headliner and textured neoprene floor mat.

Optional accessories available: pre-filter kit and lighting kit (work light kit, beacon kit, head rest kit)



Groundmaster® 4110-D



Groundmaster® 4010-D

SAFETY ALONG WITH OPERATOR COMFORT

Even a small increase in temperature can have a substantial effect on operator efficiency and safety. A study by the Society of Automotive Engineers* showed a 50% increase in missed driver tasks and 22% slower reaction times at 27° C (81° F) compared to a temperature of 21° C (70° F). Toro air-conditioned safety cab will keep operators at their best, no matter what the outside temperature. With 5 individual air-vent controls with full 360 degree rotation for improved operator comfort and increased defrost/de-mist capability.



*Driver Diligence – The Effects of Compartment Temperature (SAE Paper 920168).

*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.

The Groundmaster 4000-D/4010-D & 4100-D/4110-D are manufactured in Tomah, WI ISO 9002 Certified Plant.



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