

**TORO**

**GROUNDMASTER® 4000-D / 4100-D**





## INNOVATION

# INTELLIGENT, HARD WORKING AND RELIABLE.

Innovative technologies and features make this the most intelligent, comfortable, hard working productive and reliable rotary mower today. Engineered to meet your turf care goals and exceed expectations with a patented, highly efficient deck drive systems. Add a climate-controlled safety cab and you have unbeatable productivity for all seasons.

### FOR IMPROVED FUEL EFFICIENCY, THERE'S SMART POWER™

Acting as the 'Brains' of the machine, this revolutionary system automatically controls mowing speed and optimises cutting performance. It particularly prevents bogging down in heavy turf, providing an unmatched quality of cut even in difficult conditions and/or when operated by a new user

#### Key Benefits

- Keeps blade speed at optimum cutting speed in all conditions
- Allows supervisor to set a maximum operating speed
- Fewer manual controls to enable the operator to focus on mowing
- Improved engine power use
- Improved fuel savings

The result is increased productivity, but reduced fuel and running costs.



### GROUNDMASTER® 4000-D

Delivers power where you need it most to cut grass, no matter how challenging the conditions. With Smart Power™ technology, high engine torque and patented, efficient deck drive systems, these mowers are designed for productivity



### GROUNDMASTER® 4100-D

This innovative wide area mower features an all outfront deck for superior operator visibility and outstanding productivity. Maneuvering and trimming around obstacles is easy thanks to a zero uncut circle. The patented tractions system lets you mow with confidence, even on hills and wet grass

## SMART POWER



### INTELLIGENT FAN

The fan is also controlled by the smartpower for variable speed to improve power output. In tough conditions before ground speed is reduced, the fan either reduces or stops. This provides more power and helps to increase fuel efficiency and the overall operating efficiency of the machine.

### SMART COOL™ - REDUCE DOWN TIME

Here's the coolest advancement in our relentless drive to end downtime. 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 non-stop improved productivity.

### INFOCENTER - OPERATOR REVIEW AT THEIR FINGERTIPS

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.





## GROUNDMASTER® FEATURES



### FULL-TIME 4WD

- Full time bi-directional 4-wheel drive
  - All-Time Traction Assist
- This assures full time 4-wheel drive (Standard for GM4000-D Only) optional for GM4100-D



### ERGONOMICS

Air-suspension seat, power steering, onetouch controls, infoCenter, cruise control pedal stop, Isolated Operator Platform for greater comfort and smoother ride



### HYBRIDDRIVE™ CUTTING DECK SYSTEM

- Cutter deck system delivers unmatched reliability, allowing you to cut how you want
- Available with Toro Recycling decks

### SMART POWER™

- Fuel efficiency
- Optimized mowing in all conditions
- Power Shedding

### SMARTCOOL™

- Auto-reversing cooling fan to blow chaff off intake screen for increased cooling

### INFOCENTER

Provides the following, advisories, fault and diagnostics for the operator



## PRODUCTIVITY BY DESIGN



## GROUNDMASTER® FEATURES



### TURNS ON THE SPOT!

We get what the competition misses. The Groundsmaster 4000-D and 4100-D are engineered to mow a zero uncut circle without the aid of wheel brakes, so you can easily mow back and forth patterns without missing a blade of grass. Our most nimble large area mowers, the Groundsmaster 4000-D and 4100-D deliver the kind of precision turning that lets you trim around trees and other small objects with one or more decks engaged.



# MAXIMUM PRODUCTIVITY

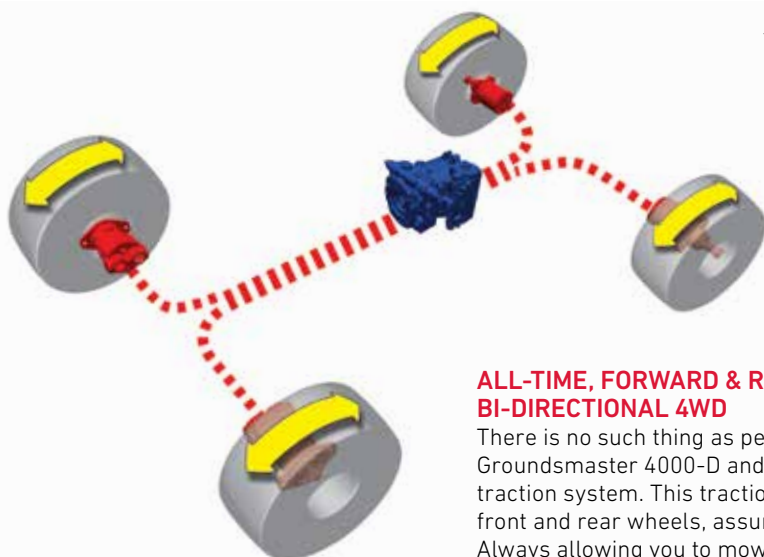
Toro's Groundsmaster® rotary mower range has been designed to offer dramatic efficiency savings without compromising on performance or productivity.

From the industry's toughest spindle assembly, to a bull-nose bumper and robust deck construction, Toro has tested the design to ensure it can take a beating and excel in the most demanding conditions, minimizing downtime for maximum productivity.



## COMPLYING WITH THE LATEST EMISSION REGULATIONS

- Yanmar Engine Gross: 49hp Net: 48hp 4TNV84T Stage III - A Compliant
- Yanmar Engine Gross: 60hp Net: 54hp 4TNV86CT Stage III - B Compliant EPA Tier 4straight for a cleaner cut.



## ALL-TIME, FORWARD & REVERSE 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 Alltime 4-wheel drive in both forward and reverse. Always allowing you to mow around objects on challenging hills with confidence. Individual wheel brakes are also applied as needed to provide additional traction control in tough conditions.



## WINGS THAT REALLY MAKE IT FLY

The Groundsmaster 4000-D has independent centre and offset wing decks that follow the ground for more efficient mowing in undulating terrain. You can switch easily from a 107 cm (42") to an 335 cm (11') cutting for maximum versatility.



## AT THE HEAD OF ITS CLASS - GM4100-D

The exclusive all-out-front cutting deck of the Groundsmaster 4100-D is easy to see and control, making this the ideal mower for less experienced operators. It lets you trim in tight areas or open spaces, with a variable width of cut from 137 cm (54") up to 315 cm (10.5').

## COMFORT BY DESIGN



## GROUNDMASTER® FEATURES



### THE HARDEST WORKING MOWERS - JUST BECAME THE MOST COMFORTABLE

With a full adjustable air-suspension seat, power steering, one-touch controls, mini-info centre, cruise control pedal stop and we're shifting comfort and productivity into high gear. But that's not all. The Groundsmaster 4000-D and 4100-D provide a smooth ride along with reduced vibration, with an "isolated operator platform" for reduced

vibration. The more comfortable your operators, the more productive they'll be.



# COMFORT, RELIABLE AND IMPROVED

Toro's Groundsmaster® rotary mower range has been designed to offer dramatic efficiency savings without compromising on performance or productivity.

From the industry's toughest spindle assembly, to a bull-nose bumper and robust deck construction, Toro has tested the design to ensure it can take a beating and excel in the most demanding conditions, minimizing downtime for maximum productivity.

## ALL IMPROVED ALL SEASON SAFETY CAB

Feature a NEW climate-controlled safety cab, with low profile roof, rollover protection and a pressurized air filtration system that keeps dust and debris out.



## DESIGNED FOR EASY MAINTENANCE

Quick, tool-free access to regular service points, and common parts across the Groundsmaster line simplify routine service and maintenance.



## 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). Our air-conditioned safety cab will keep your 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.

COMFORT BY DESIGN



## GROUNDMASTER® SPECIFICATIONS

Model	4000-D	4010-D	4100-D	4110-D
Engine	Yanmar 4TNV84T Diesel */ Yanmar 4TNV86CT Diesel **			
Type	4 cylinder, Turbocharged			
Power @ rpm	Gross: 36.2kW (49hp) Net: 35kW (48hp) @ 2600rpm* / Gross: 44kW (60hp) Net: 40kW (54hp) @ 2700rpm**			
Torque @ rpm	153N*m (113ft-lbs) @ 2000* / 169 N*m (125ft-lbs) @ 2000**			
Displacement	2.0 litres (121.7 cu. in.)* / 2.1 litres (127 cu. in.) **			
Service Interval	Oil Change (250 hours)			
Starting Aid	Glow plugs			
Emissions	EU Stage III A standards * / Tier IV and EU Stage III B standards**			
Cooling System	SmartCool™ System - variable speed, temperature actuated reversing fan			
Fuel	Biodiesel compatible up to B20 / Ultra-low Sulfur Diesel (<15 ppm)			
Fuel Capacity	79.5 litres (21 gallons)			
Hydraulic Capacity	29.3 litres (7.75 gallons)			
Fuel Consumption	5.64 l/h (1.49 gal/h)* / 6.55 l/h (1.73 gal/h)**			
Transport Speed	0-24 km/h (0-15 mph)			
Cutting Width	Overall: 335 cm (132") Front: 157.5 cm (62") Wings: 106.7 cm (42") Overlap: 12.8 cm (7")		Overall: 315 cm (124") Center Deck: 137.1 cm (54") Two Wings: 93 cm (37") One Wing Up: 226 cm (89")	
Blade Size	55.2 cm (21.75")		48.3 cm (19")	
Cutting Decks	3 rear discharge rotary		1 rear discharge rotary	
Optional Road Light Kit	Dual taillights, dual headlights, slow moving vehicle sign, turn signals and flashing lights.			
4 Wheel Drive System	Full-time bi-directional. Parallel hydrostatic, closed loop			
Overall Height	217 cm (85.3")	237 cm (93.3")	217 cm (85.3")	237 cm (93.3")
Height with ROPS folded	159 cm (62.6")	N/A	159 cm (62.6")	N/A
Overall Length	342 cm (135")		366 cm (144")	
Overall Width Deck Down	345 cm (136")		323 cm (127")	
Transport Width	183 cm (72")			
Wheelbase	140 cm (55.5")			
Ground Clearance	17 cm (6.5")			
Overall Weight*	1,856 kg (4,091 lbs.)	2,107 kg (4,645 lbs.)	1870 kg (4,123 lbs.)	2,165 Kg (4,775 lbs.)
Overall Weight**	1,907 kg (4,205 lbs.)	2,159 kg (4,759 lbs.)	1,922 kg (4,237 lbs.)	2,218 Kg (4,890 lbs.)
All-Season Safety Cab Standard Features (GM4010 & 4110 models only)	Factory installed, ROPS certified, pressurized cab with AC and heat. Clear tempered curved windshield, opening front & rear window, emergency exit side & Front/rear windows, tinted side and rear glass; front wiper/washer; interior mirror and exterior side break away mirrors, x5 full 360 air-vents			
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.			

KEY: \* or \*\* = Option for each mower model \* = Yanmar 4TNV84T Engine \*\* = Yanmar 4TNV86CT Engine

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Count on it.