

**TORO®**

# Groundsmaster® 4500-D/4700-D

CONTOUR ROTARY MOWERS

## FEATURES

- 55 hp (41.1 kW) Yanmar® engine, Tier 4 Final Compliant, turbo-diesel engine
- Patented Contour™ Plus rotary cutting units for virtually no scalping
- Full-length striping rear rollers
- 9' (2.7 m) and 12.5' (3.8 m) width of cut
- 6.5" (16.5 cm) cutting unit overlap to eliminate streaking
- Smart Power® – optimized mowing in all conditions
- SmartCool® system with auto reversing cooling fan
- 4-Way Adjustable Seat and Air Ride Suspension
- Integrated ControlHub™ with fingertip electronic controls
- InfoCenter™ displays simple operating info while monitoring machine health
- Full-time, bi-directional 4WD
- 4-wheel drive traction assist (optional)
- Reliable planetary gear wheel drive system

## More production, same extraordinary cut.

The Groundsmaster® 4500-D and 4700-D continue to provide the clean quality of cut of a reel mower but with the maintenance ease of a rotary. Toro's exclusive new SmartCool® system keeps your machine on the job and moving forward. Before things get too hot, SmartCool briefly reverses the cooling fan to blast chaff and debris from the intake screens. Smart? You know it. Cool? Definitely! With a 55 hp (41.1 kW) turbo-diesel under the hood and the new Smart Power® technology that maximizes power to the Contour™ Plus cutting decks, the Groundsmaster 4500-D and 4700-D are an unprecedented blend of powerful productivity and refined results.

*Groundsmaster® 4500-D**Groundsmaster® 4700-D***4  
TIER****SMART POWER**

|                                | GROUNDMASTER 4500-D, TIER 4 DIESEL, MODEL 30881                                                                                                                                                                                                                                                                                                                                                                                                                              | GROUNDMASTER 4700-D, TIER 4 DIESEL, MODEL 30882 |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| ENGINE                         | Yanmar 4-cylinder liquid-cooled, turbo-charged diesel. Power: 55 hp (41.1 kW) gross 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 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, momentary traction flow divider (forward only) (Model 31527). 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, 9 row single pass cooler with tilt out for cleaning. Variable speed 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, 0-6.2 mph (0-10 km/h) reverse.<br>Mow: 0-7 mph (0-11.3 km/h) forward, 0-3.5 mph (0-5.6 km/h) reverse.                                                                                                                                                                                                                                                                                                                               |                                                 |
| 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                         | 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, and voltage.                                                                                                                                                                                        |                                                 |
| CONTROLS                       | Ignition switch, throttle switch, mow/transport range selection switch, PTO switch, light switch. Foot-operated traction pedal, individual foot-operated steering brake control of left and right wheels with parking brake lock. One 2-position switch (GM 4500-D). Three 2-position switches (GM 4700-D).                                                                                                                                                                  |                                                 |
| CRUISE CONTROL                 | Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                 |
| 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. Mowing only permitted in low range. 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.), seatbelt.                                                                                                                                                                                                                                                                                                                                                                |                                                 |
| WORK LIGHT                     | Standard.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                 |
| ROPS                           | 2-post foldable, standard.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |
| DIMENSIONS<br>W/ CUTTING UNITS | <b>GM 4500-D</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>GM 4700-D</b>                                |
|                                | Overall length w/decks down                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 145.8" (370 cm)                                 |
|                                | Overall width, lowered/raised                                                                                                                                                                                                                                                                                                                                                                                                                                                | 112.8" (286 cm)/88.3" (224 cm)                  |
|                                | Height w/2-post ROPS                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 88.8" (216 cm) upright, 65.2" (165 cm) folded   |
|                                | Wheelbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 67.5" (172 cm)                                  |
|                                | Track Width, front/rear                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 88.3" (224 cm)/55.5" (141 cm)                   |
| WEIGHT                         | Ground clearance                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                 |
|                                | 6" (15.3 cm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6" (15.3 cm)                                    |
| FUEL ECONOMY**                 | 4,495 lbs. (2038 kg) - with full fluids.                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                 |
|                                | 5,045 lbs. (2288 kg) - with full fluids.                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                 |
|                                | Acres per Gallon - 3.4                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                 |
|                                | Acres per Gallon - 4.4                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                 |
| SAFETY                         | Mowing Range - 13.8 hours                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                 |
|                                | Mowing Range - 12.9 hours                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                 |
| WARRANTY                       | Fuel consumption - 1.6 Gal/Hr (6.06 L/Hr)                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                 |
|                                | Fuel consumption - 1.7 Gal/Hr (6.44 L/Hr.)                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |
| ACCESSORIES                    | 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.                                                                                                                                                                                                                                                                                      |                                                 |
|                                | Two-year limited.                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                 |
| CUTTING UNITS                  | Atomic mulching blades (107-0235-03), white sunshade (30349), red sunshade (30552), operator fan kit (110-8804), 4WD flow divider kit (31527), rear roller scraper kit, 2 post ROPS extension, windscreen, 90-amp alternator kit (115-8473), mulching kit (30836), Cab, Two-Post ROPS Extension Kit (31351)                                                                                                                                                                  |                                                 |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                 |
| TYPE                           | Five Contour™ Plus 27" (68.6 cm), rear-discharge rotary cutting units w/rear rollers.                                                                                                                                                                                                                                                                                                                                                                                        |                                                 |
|                                | Seven Contour™ Plus 27" (68.6 cm), rear-discharge rotary cutting units w/rear rollers.                                                                                                                                                                                                                                                                                                                                                                                       |                                                 |
| WIDTH OF CUT                   | 109" (277 cm), overlap 6.5" (16.5 cm), overhang 10.4" (26.4 cm).                                                                                                                                                                                                                                                                                                                                                                                                             |                                                 |
| HEIGHT OF CUT                  | Overall: 150" (381 cm), 109" (277 cm) with deck 6 and 7 raised. Overlap 6.5" (16.5 cm), overhang 30.9" (78.4 cm).                                                                                                                                                                                                                                                                                                                                                            |                                                 |
| CONSTRUCTION                   | .75"-4" (1.9-10.2 cm) in .25" (.6 cm) increments.                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                 |
| SPINDLE ASSEMBLY               | 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.                                                                                                                                                                                                                                        |                                                 |
| GROUND FOLLOWING               | 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.                                                                                                                                                                                                                            |                                                 |
| BLADES                         | 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.                                                                                                                                                                                                                                                                                                                                     |                                                 |
| WING PROTECTION                | 27" (68.6 cm) long, 2.5" (6.4 cm) wide, .25" (.64 cm) thick. Standard combo blade optional Atomic Blade for leaf mulching.                                                                                                                                                                                                                                                                                                                                                   |                                                 |
|                                | Groundsmaster 4700-D has an impact absorption device on wing decks.                                                                                                                                                                                                                                                                                                                                                                                                          |                                                 |

\*Specifications and design subject to change without notice.

\*\*Dependent on operator and turf conditions, assumes 85% efficiency for overlaps and turns Certification complies with ANSI B71.4-1999 and applicable CE directives.

Warranty: Two-year limited warranty. Refer to operator's manual for further details.

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|                                                           | TWO-POST ROPS EXTENSION SYSTEM                                                                               |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>GM4500-D / GM4700-D</b>                                | Fits Models 30881, 30882, 30883 or 30874                                                                     |
| <b>TWO-POST ROPS EXTENSION KIT</b>                        | Base steel frame attached to existing ROPS and includes a white sunshade. Model 31351                        |
| <b>EXTERIOR MIRROR</b>                                    | Quantity (1) Part Number 130-5448                                                                            |
| <b>INTERIOR MIRROR</b>                                    | Quantity (1) Part Number 130-5449                                                                            |
| <b>ABRASION-RESISTANT POLYCARBONATE WIND SCREEN</b>       | Improved resistance to golf ball impacts or vandalism. Model 31337                                           |
| <b>TEMPERED GLASS WINDSHIELD</b>                          | Similar safety glass used in Toro all-season safety cabs. Model 31322                                        |
| <b>WINDSHIELD WIPER KIT FOR TEMPERED GLASS WINDSHIELD</b> | For use with the tempered glass windshield only. Not for use with the polycarbonate wind screen. Model 31311 |
| <b>OPERATOR FAN &amp; INTERIOR HEADLINER KIT</b>          | Overhead fan with adjustable speeds – mounts directly over operator. Part Number 132-3435                    |
| <b>LED WORK LIGHT KIT</b>                                 | Includes 4 lights: 2 for front and 2 for rear; can also mount to Toro cabs. Model 31596                      |
| <b>ROTATING BEACON</b>                                    | Breakaway mounting system. Also mounts on Toro cabs. Model 31509                                             |
| <b>SAFETY AND SECURITY CAGE</b>                           | TBD                                                                                                          |
| <b>EU ROAD LIGHT KIT</b>                                  | ROPS model light kit mounts to Two-Post ROPS Extension System frame. Model 30667                             |
| <b>WIRE HARNESS KIT</b>                                   | Required for all electrical accessories such as wipers, lights and fan. Part Number 122-0729                 |