



Groundsmaster® 4100-D Specifications

GROUNDSMASTER 4100-D (MODEL 30413)											
ENGINE	Kubota® 2403-M-T, 4-cylinder, liquid-cooled, turbo-charged diesel. 148.5 cu. in. (2.0 liter) displacement. Engine rated at 60 hp (44.8 kW) gross, 58 hp (43.3 kW) net and 125 ft.-lbs. torque at 2,000 rpm. 10 quart (9.5 liter) oil capacity.										
AIR CLEANER	Dry, replaceable primary and safety elements.										
RADIATOR	Rear-mount, 2 pass cross-flow, 7-row, 5 fins per inch, 13 quart (12.3 liter) capacity.										
FUEL CAPACITY	19 gallons (72 liters) diesel fuel. Biodiesel-Ready for use up to B-20 (20% biodiesel and 80% petrol blend).										
TRACTION DRIVE	Full-time, bi-directional, hydrostatic, closed-loop, 4WD transmission. Variable displacement piston pump with servo control powers fixed displacement piston motors which drive single reduction planetary gear assemblies at each front wheel. Parallel hydraulic flow powers fixed displacement piston motor which drives mechanical axle in rear. 2WD in forward (transport) range.										
HYDRAULICS/COOLING	8 gallon (30.3 liter) capacity with 2 micron remote spin-on filter. 19 row, single pass cooler that tilts out for cleaning. Variable speed radiator cooling fan with temperature activated auto-reverse feature.										
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 (0-24.2 km/h) forward, 0-8 mph (0-12.9 km/h) reverse. Mow: 0-8.8 mph (0-14.2 km/h) forward, 0-4.8 mph (0-7.7 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	Adjustable.										
STEERING	Power steering with dedicated power source. Steering wheel tilts to desired operator position.										
GAUGES	Hour meter, fuel gauge, engine temperature gauge. Indicator lights for high temperature, oil pressure, alternator and glow plugs. Audible alarm for low oil pressure and high coolant temperature.										
CONTROLS	Tilt steering, ignition switch, throttle, foot-operated traction pedal, lockable individual brake pedals, parking brake lock, mow/transport speed selector switch, individual deck lift/lower levers, counterbalance adjustment, tow valve, cup holder, toolbox, radio holder, fan switch and 12-volt power outlet.										
ELECTRICAL	12-volt, 690 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. Deck transport latches.										
GROUND CLEARANCE	6" (15.2 cm).										
OVERALL DIMENSIONS	<table border="1"> <thead> <tr> <th>Height</th> <th>Length</th> <th>Width</th> <th>Transport Width</th> <th>Wheelbase</th> </tr> </thead> <tbody> <tr> <td>81" (206 cm) w/ROPS</td> <td>144" (366 cm) w/decks down</td> <td>127" (323 cm) w/decks down</td> <td>71" (180 cm) @ 2" (5 cm) HOC</td> <td>55.5" (140 cm)</td> </tr> </tbody> </table>	Height	Length	Width	Transport Width	Wheelbase	81" (206 cm) w/ROPS	144" (366 cm) w/decks down	127" (323 cm) w/decks down	71" (180 cm) @ 2" (5 cm) HOC	55.5" (140 cm)
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81" (206 cm) w/ROPS	144" (366 cm) w/decks down	127" (323 cm) w/decks down	71" (180 cm) @ 2" (5 cm) HOC	55.5" (140 cm)							
WEIGHT	4,211 lbs. (1910 kg) w/ full fluids and without cab.										
OPTIONS	Work light Kit, model 30442 (Consists of dual taillights, dual headlights, slow moving vehicle sign, turn signal, flasher and lights). 4WD Flow Divider Kit, model 30830. Cab and Air Conditioner.** Rotary Broom, model 30426. Cruise Control Kit, model 30421. Mulching Kit, model 30419. Two-stage Snowthrower.*** Canopy, model 30359. 90 amp electrical alternator PN 115-8473.										
CERTIFICATION	Complies with American National Standards Institute (ANSI B71.4-1999) and applicable CE (machine directive 89/392, 91/368, 93/44, 84/538, 89/336) requirements.										
WARRANTY	Two-year limited warranty. Refer to Operator's Manual for further details.										
CUTTING DECK											
TYPE	All outfront rear discharge rotary 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 9.9 acres/hr (4.0 hectares/hr) at 8 mph (12.4 km/hr). Assumes no overlap or stops.										
CONSTRUCTION	Welded steel with steel 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.										
PROTECTION	Impact absorption device on each wing deck.										
LEAF MULCHING KIT	Model 30419										

*Specifications and design subject to change without notice.

**Available from Jodale Perry.

***Loftness

The Toro Company does not manufacture or sell the air conditioner or snow thrower, nor does Toro guarantee these accessories in any manner whatsoever.

The Groundsmaster 4100-D is manufactured in Tomah, WI ISO 9002 Certified Plant.





Groundsmaster® 4100-D Attachment Specifications*

BOXER CAB**	
CONSTRUCTION	ROPS solid-welded steel frame. Composite roof and body panels.
STANDARD FEATURES	Curved clear tempered glass windshield, 2-speed pantograph windshield wiper, all-glass doors, emergency exit windows, opening windows, fixed windows, upholstered cab interior, overhead console, dome light, cup holder.
OPTIONAL FEATURES	Air conditioning/heater (Jodale Perry model 80087). Requires Toro A/C mounting kit, model 30444 and 90 amp electrical alternator, PN 115-8473. 4-way flasher, rear wiper, windshield washers, exterior mirrors, pressurized fan/heater, air conditioning unit, interior rearview mirror, sun shade, 12-volt auxiliary outlet, AM/FM Cassette Stereo, AM/FM CD Stereo, and storage pack.



SNOW THROWER
No longer supplied by Loftness. Toro is currently working with a new supplier on this accessory.

ROTARY BROOM, MODEL 30426***	
BRUSH FILAMENT MATERIAL	Virgin polypropylene, high carbon wire, or a combination of both.
BRUSH DIAMETER	Uses 24" (61 cm) brush elements.
OSCILLATION ANGLE	8°
SWEEPING WIDTH ANGLE	Brush swings 25° in both directions, 70.5" (179 cm) sweeping width at center position, 64" (162.6 cm) minimum sweeping width at full swing left or right.
CASTOR WHEELS	Two 8.0" x 3.5" (20.3 x 8.9 cm) pneumatic rubber tires.
GROUND CLEARANCE	6" (15.2 cm)
BRUSH SPEED	220 rpm, no load.
BRUSH GROUND PRESSURE ADJUST	Adjustment is .5" (1.3 cm) spacers and holes in castor fork.
HYDRAULIC/MECHANICAL BRUSH DRIVE	Ross 6.10 cubic inch roller vane motor drives directly into 16 tooth sprocket. 40 tooth sprocket mounts on brush shaft. One 60# chain connects motor and brush.
BRUSH SWING CONTROL	A 2" (2.1 cm) bore, 15" (38.1 cm) stroke, swing cylinder is connected in parallel with hydraulic brush drive. The cylinder is controlled by a 3-position, closed center, 4-way solenoid directional valve. A 6 mm grade 8.8 shear bolt connects rod end of cylinder to 4-bar linkage.
ELECTRICAL CONNECTION	Wire harness kit – P/N 95-3263.
WEIGHT	567 lbs. (257.4 kg)
OPTIONS	High carbon wire brush filament P/N 95-5942. Deflector kit P/N 95-7496.

*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.

**Manufactured by Jodale Perry.

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