



# Groundsmaster® 300 Series Specifications\*

GROUNDMASTER 328-D, 2WD - DIESEL, MODEL 30626 GROUNDMASTER 328-D, 4WD - DIESEL, MODEL 30627	
<b>ENGINE</b>	Kubota® liquid-cooled, diesel, 3-cylinder, 24.8 hp (18.5 kW) gross, at rated speed of 3000 rpm. 68.5 cu. in. (1.1 liter) displacement. Engine high idle is 3100 – 3250 rpm and low idle is 1500 – 1650 rpm. Pressurized lubrication system with 4.0 quart capacity. Heavy-duty remote-mounted 5" Donaldson® air cleaner. Fuel filter/water separator.
<b>FUEL CAPACITY</b>	6.5 gallons (24.6 liters), No. 1 or 2 diesel fuel. 2008 models Biodiesel-Ready for use up to B-20 (20% biodiesel and 80% petrol blend).
<b>CONTROLS</b>	Hand-operated throttle, PTO, hydraulics implement lift and foot-operated traction pedal.
<b>GAUGES &amp; DIAGNOSTICS</b>	Hour meter, fuel gauge, coolant temperature gauge, 4-light warning cluster gauge: oil pressure, water temperature, amps and glow plug. High water temperature shut-down/override switch.
<b>ELECTRICAL FEATURES</b>	Maintenance-free 12-volt battery, 630 amp, cold cranking performance at 0°F (-18°C). Dash mounted ignition switch, 40 amp alternator, 40 amp manual reset circuit breaker. Seat, PTO, parking brake and traction interlock switches.
<b>WEIGHT</b>	<b>Model 30626:</b> Approx. 1,250 lbs. (567 kg) dry weight. <b>Model 30627:</b> Approx. 1,665 lbs. (755 kg) dry weight; w/ ROPS
SPECIFICATIONS COMMON TO GROUNDMASTER 300 SERIES	
<b>RADIATOR</b>	Mid-mount industrial radiator with tube and fin construction; 7 fins per inch. Approx. 6 quart (5.7 liter) capacity. Stamped top and bottom tanks with hydraulic cooler in lower tank. Thermally stable water cooled hydrostatic system regulates operating temperature, (adjusts seasonally).
<b>TRACTION DRIVE</b>	Variable speed, axial piston, hydrostatic in-line transmission; charge circuit hydraulics with 25 micron filtration provide hydraulic flow for power and implement lift. Transmission mates to drive axle; 20.9-1 reduction, approx. 5 quart (4.7 liter) oil lubricant capacity. Single foot pedal control of forward/reverse ground speed. Optional Electronic Cruise Control Kit, Model 30677, available. <b>Model 30627:</b> Rear axle is mechanically driven from front axle by a universal shaft. An on-demand, bi-directional overrunning clutch prevents rear tire scuffing in turns and maintains turning radius. Approx. 3.1 quart (3.5 liter) gear lubricant capacity.
<b>IMPLEMENT DRIVE AND LIFT</b>	1 1/8" (2.9 cm) splined PTO shaft driven by a tight-slack double "A" section, torque team V-belt. An anti-side load system protects the crankshaft output bearings. Lift cylinder 2.5" x 3.25" (6.4 cm x 8.3 cm) actuates a T-bar of 2" (5 cm) square structural tubing with convenient attaching chains for implement lift. Two large torsion springs counterbalance implements for greater stability and traction.
<b>STEERING</b>	Hydraulic power steering with control valve and metering section which regulates pressure and meters flow to steering cylinder. Steering valve features priority flow which automatically goes to steering function. 13" (33 cm) diameter steering wheel. Tilt steering wheel with a 15° range of movement releases and locks by a single lever control.
<b>GROUND SPEED/CLEARANCE</b>	0-9.5 mph (0-15.3 km/h), infinitely variable. Front ground clearance of 7.5" (19 cm), rear ground clearance of 4.5" (11 cm).
<b>TIRES/WHEELS/PRESSURE</b>	Two front traction drive tires - 23 x 8.50-12 tubeless, extra traction tread, 4-ply rating. Demountable drop center rims. Two rear steering tires - <b>Model 30627:</b> 16 x 6.5-8, tubeless, ribbed type, 4-ply rating. <b>Model 30627:</b> 18 x 6.5-8, tubeless, extra traction tread, 4-ply rating. Tire pressures: 21 psi (145 kPa). Optional extra wide tire and rim: 23 x 10.50-12 tubeless, 4-ply rating, Part No. 62-7020; or 23 x 10.50-12 tubeless, 6-ply rating, Part No. 69-9870 (not applicable when using cutting unit model 30710).
<b>MAIN FRAME</b>	Welded construction steel reinforced with square and rectangular tubing.
<b>BRAKES</b>	Individual 7" x 1.75" (17.8 x 4.4 cm) drum type wheel brakes. Parking brakes on front traction wheels. Dynamic braking through traction drive.
<b>SEAT</b>	Optional: High back cushion seat, Model 30623, or deluxe adjustable suspension set, Model 30625. (Seat Adapter Kit, Model 30628, required with 30625).
<b>STORAGE</b>	Toolbox with latch down cover located in fender. Operator manual storage tube furnished for attachment to seat frame.
<b>WARRANTY</b>	Two-year limited warranty. Refer to the Operator's Manual for further details.
<b>CERTIFICATION</b>	Groundsmaster 300 Series traction units and rotary cutting units are certified to meet the American National Standard Institute's (ANSI) specifications, B71.4-2004 and applicable Federal and State regulations based thereon.

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# Groundsmaster® 300 Series Accessories Specifications\*

	FULL FLOTATION CUTTING UNITS	
	72" SIDE DISCHARGE, MODEL 30722 & 72" REAR DISCHARGE, MODEL 30710	GUARDIAN® 72" RECYCLER®, MODEL 30716
<b>TYPE</b>	72" (183 cm) width of cut, three blade, mounted rotary. Side or rear discharge respectively.	72" (183 cm) width of cut, three blade, front mounted rotary. Recycling with no discharge.
<b>MOWING RATE<sup>[1]</sup></b>	Mows up to 4.0 acres/h (1.6 hectares/h) at 5.5 mph (8.9 km/h).	
<b>TRIMMING ABILITY</b>	Deck offset to the right from centerline: 18" (46 cm). Deck trim from width from outside of standard traction tire to trim side - right: 23" (58 cm). Uncut circle - right: 15" (38 cm). Uncut circle with use of wheel brakes: 0". Rear discharge trims both sides.	Deck offset to right from centerline: 7" (18 cm). Deck trim width outside of standard tire to trim side - right: 22" (56 cm). Uncut circle - right: 24" (61 cm). Uncut circle with use of wheel brakes: 0". Guardian 72" Recycler trims on both sides.
<b>HEIGHT OF CUT</b>	1-4" (2.5-10 cm) adjustable front and rear in .5" (13 mm) increments with spacers on the caster shafts.	1.5"-4.5" (3.5-11 cm) adjustable front and rear in .5" (13 mm) increments with spacers on the caster shafts. 1.5" (3.5 cm) and 2" (5 cm) height of cut not recommended under severe cutting conditions.
<b>CONSTRUCTION</b>	<b>Model 30722:</b> 11-gauge steel, 6" (15 cm) deep with 2" (5 cm) step. Reinforced with 3.5" (8.9 cm) x 7-gauge channel. <b>Model 30710:</b> 11-gauge steel, 4" (10 cm) deep housing. Reinforced with 3.5" x 7" gauge channel.	12-gauge steel, 5.5" (14 cm) deep, welded construction reinforced with 10-gauge channels and plates.
<b>SPINDLE ASSEMBLY</b>	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.	
<b>CUTTER DRIVE</b>	Isolation mounted PTO driven gearbox with 1.26:1 spiral bevel gears. "B" hex section belts to spindles. 1.25" (3.2 cm) diameter spindle shafts, protected by rugged conical spindle housing, turn on two greaseable tapered roller bearings (greaseable from top of deck). A positive splined connection attaches pulleys to spindle shafts for high torque capacity.	Isolation mounted PTO driven gearbox with 1.26:1 spiral bevel gears. Single "BB" section hex belt to spindles. Self-tensioning idler pulleys. 1.25" (3.2 cm) diameter spindle shafts turn on two greaseable tapered roller bearings (greaseable from top of deck). A positive splined connection attaches pulleys to spindle shafts for high torque capacity.
<b>BLADES</b>	Three 25" (64 cm) long, .25" (6 mm) thick, heat-treated steel, suction-lift blades.	Three 25" (64 cm) long, .25" (6 mm) thick, heat-treated steel, Recycler blades.
<b>OPTIONAL BLADES</b>	Atomic Blade (106-4354), High Sail Blade (23-2410-03)	
<b>SUSPENSION &amp; CASTER WHEELS</b>	Two front and rear caster tires consist of hard rubber and roller bearings. Deck counterbalanced by two torsion springs. Foam Filled Castor Wheel, 10" (25 cm) =P/N 93-5973 (two required) or 8" (20 cm) =P/N 93-5974 (two required).	
	<b>Front Tires</b> <b>Models 30722 &amp; 30710</b> 10.00" x 3.25" (25 x 8.3 cm) <b>Model 30716</b> 10.00" x 3.25" (25 x 8.3 cm)	<b>Rear Tires</b> <b>Model 30716</b> 6.25" x 3.00" (16 x 7.6 cm) 8.00" x 3.50" (20 x 8.9 cm)
<b>ANTI-SCALP FEATURES</b>	<b>Model 30710:</b> One front center anti-scalp left and right skids. <b>Model 30722:</b> One front center and two rear center anti-scalp rollers and RH skid. All rollers are 2-position adjustable.	Anti-scalp cup located on each blade. Three anti-scalp rollers. Adjustable skids.
<b>DECK COVERS</b>	Quick-release covers. No tools required to remove.	Quick-release, high impact plastic covers. No tools required to remove.
<b>WEIGHT</b>	<b>Model 30722:</b> 400 lbs. (181 kg) <b>Model 30710:</b> 415 lbs. (188 kg)	465 lbs. (211 kg)
<b>WIDTH</b>	<b>Model 30722:</b> 85.5" (217 cm) <b>Model 30710:</b> 76" (193 cm)	75" (191 cm)
<b>ADDITIONAL COUNTERBALANCE WEIGHT<sup>[2]</sup></b>	<b>Model 30626:</b> 70 lbs. (32 kg)	<b>Model 30626:</b> 70 lbs. (32 kg)
<b>CERTIFICATION</b>	Certified to meet the American National Standard Institute's (ANSI) specifications, B71.4-2004 and applicable Federal and State regulations based thereon.	

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[1] Mowing rate is dependent on conditions.

[2] Different rear counter weights are required with traction unit models 30626 and 30789 depending upon which deck or attachment is being used to meet ANSI.





# Groundsmaster® 300 Series Attachments Specifications\*

	<b>2-POST ROLL-OVER PROTECTIVE STRUCTURE (ROPS)**</b>			
<b>STANDARD FEATURES</b>	Roll-over Protective Structure 2" (5 cm) x 3" (7.6 cm) x .25" gauge welded tubing, seat belt and attaching system.			
<b>WEIGHT</b>	2-Post ROPS: 135 lbs. (61 kg). Canopy Kit (optional): 90 lbs. (41 kg), approximate.			
	<b>4-POST ROLL-OVER PROTECTION STRUCTURE WITH SUN ROOF**</b>			
<b>STANDARD FEATURES</b>	Roll-over Protective Structure, seat belt and attaching system. Sun roof with 1" (2.5 cm) acoustical roof insulation, rubber isolator mounts and hood support.			
<b>WEIGHT</b>	250 lbs. (113.4 kg); shipping weight.			
<b>OPTIONS</b>	Road Light Kit: roof mounted flashing amber beacon, two front and one rear working lights, two combination signal and tail lights, signal controls and switch panel.			
	<b>SNOW THROWER</b>			
	No longer supplied by Loftness. Toro is currently working with a new supplier on this accessory.			
	<b>DEBRIS BLOWER, MODEL 30855</b>			
<b>POWER SOURCE</b>	Groundsmaster 300 Series tractors-PTO drive. 300 Series: belt drive.			
<b>HITCH/MOUNT®</b>	Out-front design for Groundsmaster tractors.			
<b>FRAME</b>	All welded steel construction.			
<b>BEARINGS</b>	2 self-sealed, self-aligning.			
<b>IMPELLER</b>	12 blades, reversed curve, 21" (53.3 cm) diameter, sandcast aluminum.			
<b>AIR MOVEMENT</b>	140 mph (225 km/h) @ 2800 rpm, 3700 cfm.			
<b>DIRECTIONAL CHUTE</b>	All steel, over-center locking, spring tension control, operated from tractor seat.			
<b>DIMENSIONS</b>	Length: 43.4" (110 cm)	Width w/chute down: 30.4" (77 cm)	Height: 35.3" (90 cm)	Shipping Weight: 245 lbs. (111 kg)
	<b>CAB,** P/N A-11127</b>			
<b>FRAME</b>	All steel welded construction.			
<b>DIMENSIONS</b>	Height: 65.0" (165 kg)	Width: 42.0" (107 kg)	Length: 50.3"(128 kg)	Weight: 400 lbs. (181 kg)
<b>OPTIONAL EQUIPMENT</b>	Directional lights kit: 4-10359			
<b>ROPS PROTECTION</b>	Non-ROPS cab must be installed with a 2-post roll bar to provide ROPS protection. (P/N A-10551).			
<b>STANDARD EQUIPMENT</b>	Dome light, all steel cab construction, 2-speed wiper, heater/defroster, matched Toro colors, grey tinted safety glass, sliding rear window, flasher kit, pressurizer, vinyl padded interior, two worklights, fuse block/switch panel, lifting ears.			
	<b>ROTARY BROOM, MODEL 30743</b>			
<b>BRUSH</b>	60" wide x 24" diameter (154 x 62 cm) broom head. Available with poly, wire or combination.			
<b>HYDRAULIC DRIVE</b>	PTO driven closed loop - pump direct to drive motor.			
<b>BRUSH ANGLING</b>	Manual angling swings broom 30° to either side. Electro mechanical actuator available as option.			
<b>CASTER WHEELS</b>	Two 8.5" x 3.5" (22 x 9 cm) rubber wheels mounted on height adjustable casters allow 4" (10 cm) of vertical adjustment for brush.			
	<b>V-PLOW, MODEL 30750</b>			
<b>CUTTING WIDTH</b>	48" (121.9 cm)			
<b>HITCH/MOUNT</b>	Outfront design for Groundsmaster tractors. Mounting Kit 30757 required for installation.			
<b>CONSTRUCTION</b>	All welded steel.			
	<b>SUNSHADE</b>			
<b>UNIVERSAL MOUNT</b>	Model 30359			

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[3] Mounting kit required.

\*\*Manufactured by Custom Products of Litchfield, Inc.

The Toro Company does not manufacture or sell the cab, ROPS systems, snow thrower or quick attach kit, nor does Toro guarantee these accessories in any manner whatsoever.

The Groundsmaster 328-D and 345 are manufactured in Tomah, WI ISO 9002 Certified Plant.

