



# Groundsmaster® 4500-D & 4700-D Specifications\*

	GROUNDMASTER 4500-D, MODEL 30857	GROUNDMASTER 4700-D, MODEL 30858	
<b>ENGINE</b>	Kubota® V2403T, 4-cylinder, 117 ft.-lbs. of torque, liquid-cooled, turbo-charged diesel, 60 hp (45 kW) gross, 58 hp (43.5 kW) net, governed to 2600 RPM. 148.5 cu. in. (2.4 liter) displacement. 10 quart (9.5 liter) oil capacity.		
<b>AIR CLEANER</b>	Dry, replaceable primary and safety elements.		
<b>RADIATOR</b>	Rear-mount, cross flow, 7-row, 5 fins per inch, 13 quart (12.3 liters) capacity.		
<b>FUEL CAPACITY</b>	22 gallons (83 liters) diesel fuel. Biodiesel-Ready for use up to B-20 (20% biodiesel and 80% petrol blend).		
<b>TRACTION DRIVE</b>	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 transport range. Optional 4WD Flow Divider Kit, model 30871.		
<b>HYDRAULICS/COOLING</b>	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 manual reversing capabilities.		
<b>DIAGNOSTICS</b>	Diagnostics pressure test ports: forward and reverse traction, deck circuit 1 & 2, reverse 4WD, lift, steering, traction charge, and counter balance.		
<b>GROUND SPEED</b>	Transport: 0-13 mph (0-21 km/h) forward, 0-6.2 mph (0-10 km/h) reverse. Mow: 0-7 mph (0-11.3 km/h) forward, 0-3.5 mph (0-5.6 km/h) reverse.		
<b>TIRES</b>	Front: 29 x 14-15, 6-ply ultra-trac tread. Rear: 20 x 12-10, 4-ply multi-trac tread.		
<b>MAIN FRAME</b>	All welded formed-steel frame with integral tie-down anchors.		
<b>BRAKES</b>	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.		
<b>SEAT</b>	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.		
<b>STEERING</b>	Power steering with dedicated power source, tilt steering.		
<b>GAUGES</b>	Hour meter, fuel gauge, engine temperature gauge, indicator lights for glow plugs, high coolant temperature, charge indicator, and low oil pressure. Shutdown for high coolant temperature.		
<b>CONTROLS</b>	Ignition switch, hand-operated throttle, foot-operated traction pedal, two position switches for deck lift (GM 4500) 3 - two position switches for deck lift (GM 4700), Reverse fan two position switch (auto/manual reverse), mow/transport selector switch, lockable individual brake pedals, park brake lock, deck lift levers.		
<b>ELECTRICAL</b>	12-volt, 650 cold cranking amps battery, 40 amp alternator. Overload protection with automotive type fuses.		
<b>INTERLOCKS</b>	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.		
<b>OPERATOR AREA</b>	Beverage holder, radio holder, 12-volt power point, storage box (tools, jackets, golf balls, etc.), seatbelt.		
<b>WORK LIGHT</b>	Standard.		
<b>ROPS</b>	2-post standard.		
<b>DIMENSIONS W/ CUTTING UNITS</b>		<b>GM 4500-D</b>	<b>GM 4700-D</b>
	Overall length w/decks down	145.8" (370 cm)	145.8" (370 cm)
	Overall width, lowered/raised	112.8" (286 cm)/88.3" (224 cm)	153.8" (391 cm)/88.3" (224 cm)
	Height w/2-post ROPS	85" (216 cm)	85" (216 cm)
	Wheelbase	67.5" (172 cm)	67.5" (172 cm)
	Track Width, front/rear	88.3" (224 cm)/55.5" (141 cm)	88.3" (224 cm)/55.5" (141 cm)
<b>WEIGHT</b>	4400 lbs. (1995 kg) - with full fluids.	4950 lbs. (2245 kg) - with full fluids.	
<b>FUEL ECONOMY**</b>	Acres per Gallon - 3.4	Acres per Gallon - 4.4	
	Mowing Range - 13.8 hours	Mowing Range - 12.9 hours	
	Fuel consumption - 1.6 Gal/Hr (6.06 L/Hr)	Fuel consumption - 1.7 Gal/Hr (6.44 L/Hr)	
<b>SAFETY</b>	Complies with American National Standards Institute (ANSI B71.4-2004) and applicable CE (machine directive 89/392, 91/368, 93/44, 84/538, 89/336) requirements.		
<b>WARRANTY</b>	Two-year limited.		
<b>ACCESSORIES</b>	Atomic mulching blades (107-0235-03), universal sunshade (30359), operator fan kit (110-8804), 4WD flow divider kit (30871), rear roller scraper kit, 2 post ROPS extension, windscreen, 90 amp alternator kit (115-8473), leaf mulching kit (30836).		
<b>CUTTING UNITS</b>			
<b>TYPE</b>	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.	
<b>WIDTH OF CUT</b>	109" (277 cm), overlap 6.5" (16.5 cm), overhang 10.4" (26.4 cm).	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).	
<b>HEIGHT OF CUT</b>	.75"-4" (1.9-10.2 cm) in .25" (.6 cm) increments.		
<b>CONSTRUCTION</b>	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.		
<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>GROUND FOLLOWING</b>	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.		
<b>BLADES</b>	27" (68.6 cm) long, 2.5" (6.4 cm) wide, .25" (.64 cm) thick. Standard combo blade optional Atomic Blade for leaf mulching.		
<b>WING PROTECTION</b>	Groundsmaster 4700-D has an impact absorption device on wing decks 6 and 7.		

\*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.

The Groundsmaster 4500-D and 4700-D are manufactured in Tomah, WI ISO 9002 Certified Plant.

