



Groundsmaster® 4300-D Specifications*

GROUNDMASTER 4300-D, MODEL 30859	
ENGINE	Kubota® V1505-T-E3B, 4-cylinder, 88.5 ft.-lbs. of torque, liquid-cooled, turbo-charged diesel, 44 hp (33 kW) 91.4 cu. in. (1.5 liter) displacement. 5.5 quart (4.7 liter) oil capacity.
AIR CLEANER	Dry, replaceable primary and optional safety element.
RADIATOR	Rear-mount, cross flow, 7-row, 6 fins per inch, 10 quart (9.5 liter) capacity.
FUEL CAPACITY	13.5 gallons (51.1 liters) diesel fuel. Biodiesel-Ready for use up to B-20 (20% biodiesel and 80% petrol blend).
TRACTION DRIVE	Front drive wheels powered by a hydrostatic pump with individual wheel motors. Parallel - Series Hydrostatic, closed loop 4 wheel drive in mow speed, forward direction only. Variable displacement piston pump with direct displacement control, Standard all-wheel drive with CrossTrax® All-Wheel Drive system, which transfers power from the front wheels to the opposite rear wheels via independent rear wheel motors.
HYDRAULICS/COOLING	14 gallon (53 liter) capacity with two remote spin-on filters; main system, and traction charge, use DTE 15M, DTE 26 or Mobil EAL biodegradable oil. Oil cooler is a double row single pass (11 fin/in) that tilts out for cleaning.
DIAGNOSTICS	Diagnostics pressure test ports: forward and reverse traction, deck circuit 1 & 2, reverse 4WD, and lift.
GROUND SPEED	Transport: 0-10 mph (0-16.7 km/h) forward, 0-3.5 mph (0-5.6 km/h) reverse. Mow: 0-7 mph (0-11.3 km/h) forward, 0-3.5 mph (0-5.6 km/h) reverse.
TIRES	Front: 26.5 x 14-12, 6-ply ultra-trac tread. Rear: 20 x 12-10, 6-ply multi-trac tread.
MAIN FRAME	All welded formed-steel frame with integral tie-down anchors.
BRAKES	8"mechanical drum-type front wheel brakes. Brakes may be actuated for service braking via left foot pedal. Integrated foot pedal lock provides parking brake. Dynamic braking through hydrostatic traction drive system.
SEAT	Mechanical suspension seat standard with pivoting LH armrest, pivoting RH control arm and retractable seat belt, Air-Ride seat suspension optional.
STEERING	Rear wheel, power steering with an independent hydraulic pump circuit.
GAUGES	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.
CONTROLS	Ignition switch, hand-operated throttle, foot-operated traction pedal, engine speed control, mow/transport selector switch, service brake with parking brake latch, joystick control for raising and lowering cutting units, mow/transport speed range switch.
ELECTRICAL	12-volt battery with 660 cold cranking amps, 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, decks stop. If operator leaves the seat with the unit out of neutral, engine stops. Mowing only permitted in low range. Engine stops if parking brake engaged and traction pedal not in neutral.
OPERATOR AREA	Beverage holder, radio holder / mobile phone holder, 12-volt power outlet, open compartment for tools, jackets, golf balls, etc. under control arm.
WORK LIGHTS	Standard.
ROLL-OVER PROTECTION	2-post standard.
DIMENSIONS W/ CUTTING UNITS & WEIGHT	Overall length w/decks down: 126" (320 cm) Overall width: 96.3" (245 cm) (outside of decks) Overall transport width: 88.3" (224 cm) (outside of front tires) Height w/2-post ROPS: 86" (215 cm) Wheelbase: 60" (152.4 cm) Track Width, front/rear: 88.3" (224 cm)/54" (137 cm) Ground clearance: 5" (12.7 cm) Traction Unit Weight: 3114 lbs (1412 kg) - with full fluids and 5 cutting units. Cutting Unit Weight: 140 lbs (64 kg) - single cutting unit assembly only.
FUEL ECONOMY**	Acres per Gallon - 3.0 (.32 Hectars/L) Mowing Range - 9 hours Fuel Consumption - 1.5 Gal/Hr (5.7 L/Hr)
SAFETY	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.
WARRANTY	Two-year limited.
ACCESSORIES	Air ride seat suspension (03667), leaf mulching kit (108-7409-01), combination blade (108-7395-03), angle sail blade (117-0209-03) atomic mulching blade (114-0435), parallel sail blade (114-0434-03), sunshade (30359), rear roller scraper kit,(117-0149), operator fan kit (110-8804), ROPS certified hard cab (International only), 22" rotary replacement cutting unit (30845), diagnostic display box (85-4750).
CUTTING UNITS	
TYPE	Five Contour™ Plus 22" (55.9 cm), rear-discharge rotary cutting units w/rear rollers.
WIDTH OF CUT	90" (229 cm), overlap 5" (12.7 cm), overhang 1" (2.5 cm).
HEIGHT OF CUT	.75"-4" (1.9-10.2 cm) in .25" (.6 cm) increments.
DECK DRIVE	Hydraulic, direct coupled to spindle
CONSTRUCTION	Cutting chamber is 10-gauge steel constructed chambers with 12-gauge welded reinforcements. Spindle support is 3/16" (.48 cm) high-strength steel and 10-gauge exterior channels. Cutting unit frame is welded 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.
SPINDLE ASSEMBLY	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.
GROUND FOLLOWING	6" (15.3 cm) anti-scalp cups on each blade. On each deck: two 5" (12.7 cm) diameter front rollers with sealed stainless steel bearings, one 3" (7.6 cm) diameter rear roller with greaseable stainless steel bearings.
BLADES	22" (55.9 cm) long, 2.5" (6.4 cm) wide, .25" (.64 cm) thick. Standard: combo blade (108-7395-03)

*Specifications and design subject to change without notice.

**Dependent on operator and turf conditions.

The Groundsmaster 4300-D is manufactured in Tomah, WI ISO 9002 Certified Plant.

