



Greensmaster® 3050 & 3100 Specifications*

	GREENSMaster 3050, MODEL 04351	GREENSMaster 3100, MODEL 04356																											
ENGINE	18 hp (13.4 kW) Briggs & Stratton® gasoline engine, governed to 2850 rpm high idle, 1650 rpm low idle. Air cooled, 34.8 cu. in. (570 cc).																												
FUEL CAPACITY	7.0 gallons (26.5 liters); unleaded gasoline.																												
TRACTION DRIVE	Hydraulic gear pump. Foot pedal forward and reverse; infinitely variable. Front wheel orbit motors. All hydraulic drive, consisting of multiple stack pump, valve, and two motors.																												
GROUND SPEED	Forward – 1st, mow: 3.8 mph (6.1 km/h); 2nd, transport: 8.1 mph (13 km/h). Reverse – 1.9 mph (3 km/h).																												
TURF COMPACTION	8-10 psi (dependent on tire pressure) with operator and cutting units down.																												
IMPLEMENT DRIVE	Hydraulic drive, individual pump and valve sections operating 3 reel motors.																												
HYD. OIL CAPACITY	4.5 gallon (17 liter) oil reservoir.	4.5 gallon (17 liter) oil reservoir.																											
HYD. OIL FILTER	10 micron, large capacity, long life replaceable cartridge, full flow.																												
LEAK DETECTOR	Not Available.	Optional Manufactured by B.H. Sales.																											
TIRES/WHEELS/PRESSURE	Three tires: 18 x 9.50-8, 2-ply pneumatic, tubeless, demountable and interchangeable with smooth tread. Tire pressure: 8-12 psi (55-83 kPa). Optional Traction Tire (2-ply): P/N 231-127.																												
MAIN FRAME	Tricycle vehicle; two front wheels, rear wheel steering. Welded, steel tube frame construction. Two cutting units up front with center cutting unit beneath the operator.																												
BRAKES	Two 6" (15.2 cm) drum type mechanical brakes with rack and pawl lock for parking.																												
STEERING	Rectangular steering wheel. Adjustable steering arm.	Power steering. 13" (33 cm) round steering wheel. No-tool quick adjust steering arm and adjustable tilt. Double rod steer cylinder for accurate straight line steering/mowing.																											
CONTROLS/GAUGES/DIAGNOSTICS	Hand operated choke, throttle and gear selection. Foot operated traction drive, brakes, and mow/lift pedal for starting or stopping of implements. Hour meter and volt meter.																												
ELECTRICAL FEATURES	12-volt battery; 32 amp hour. 16 amp alternator, 300 cold cranking amps, circuit fused at 10 amps. Ignition switch/key. Seat switch, mow and traction drive & parking brake, interlock switches.																												
SEAT	Contour seat with high backrest. 7" (18 cm) fore/aft adjustment with 2 mounting positions. Optional armrests: model 30707.																												
OPER. SOUND LEVEL	82 dB(A) at operator's ear under normal operation.	82 dB(A) at operator's ear under normal operation.																											
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OPTIONAL ACCESSORIES	Traction tire, thatching reels, spiker, tri-roller, backlap kit, turf evaluator, quiet muffler kit, armrest kit, light kit.																												
CERTIFICATION	Certified to meet ANSI specification B71.4-2004 and European CE standards.																												
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details. Briggs & Stratton provides a two-year commercial engine, and a lifetime Magnetron® ignition warranty.																												
OVERALL DIMENSIONS AND WEIGHTS	<table border="1"> <thead> <tr> <th></th> <th>Model 04351</th> <th>Model 04356</th> </tr> </thead> <tbody> <tr> <td>Width of Cut:</td> <td>59" (150 cm)</td> <td>59" (150 cm)</td> </tr> <tr> <td>Wheel Tread:</td> <td>49.5" (126 cm)</td> <td>49.5" (126 cm)</td> </tr> <tr> <td>Wheelbase:</td> <td>47" (119 cm)</td> <td>47" (119 cm)</td> </tr> <tr> <td>Length:</td> <td>90" (229 cm)</td> <td>90" (229 cm)</td> </tr> </tbody> </table>		Model 04351	Model 04356	Width of Cut:	59" (150 cm)	59" (150 cm)	Wheel Tread:	49.5" (126 cm)	49.5" (126 cm)	Wheelbase:	47" (119 cm)	47" (119 cm)	Length:	90" (229 cm)	90" (229 cm)	<table border="1"> <thead> <tr> <th></th> <th>Model 04351</th> <th>Model 04356</th> </tr> </thead> <tbody> <tr> <td>Width w/reels:</td> <td>69.75" (177 cm)</td> <td>69.75" (177 cm)</td> </tr> <tr> <td>Height:</td> <td>48.5" (123 cm)</td> <td>48.5" (123 cm)</td> </tr> <tr> <td>Wet Weight</td> <td>970 lbs. (440 kg)</td> <td>1000 lbs. (454 kg)</td> </tr> </tbody> </table>		Model 04351	Model 04356	Width w/reels:	69.75" (177 cm)	69.75" (177 cm)	Height:	48.5" (123 cm)	48.5" (123 cm)	Wet Weight	970 lbs. (440 kg)	1000 lbs. (454 kg)
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Greensmaster® 3050 & 3100 Specifications* (continued)

	8-BLADE DPA CUTTING UNITS, 04610 11-BLADE DPA CUTTING UNITS, 04611 14-BLADE CUTTING UNITS, 04616**
TRACTOR	These cutting units will mount on any Toro riding Greensmaster.
HEIGHT OF CUT (HOC) RANGE	Cutting height is adjusted on front roller by two vertical screws and held by two locking cap screws. Bench HOC range is .062"-.297" (1.6-7.5 mm). With high HOC kit, range is .285-1" (7.3-25.4 mm). Effective HOC may vary depending on turf conditions and bedknife installed.
REEL WELDMENT	Reels are 5" (13 cm) in diameter, 21" (53.3 cm) in length. High carbon steel blades are welded to 5 stamped steel spiders, and heat treated to RC 48-54 hardness. The reel is ground for diameter and concentricity, and background.
REEL BEARINGS	Two double row, self-aligning ball bearings, 30 +/- .1 mm inside diameter slip fit onto reel shaft with lock nut. Multiple seal barriers on both sides of bearing for added protection. Reel position maintained by a wave washer with no adjusting nut.
MAINTENANCE	No grease zerks, sealed bearing design eliminates daily maintenance.
REEL DRIVE	The reel weldment shaft is a 1.375" (35 mm) diameter tube with drive inserts permanently pressed in both ends. A replaceable floating coupler with an internal eight tooth spline is factory installed on the right end, and held in place by a snap ring. The floating coupler may be moved to the other end when the cutting unit is used on the GR3250-D front right position.
FRAME	Precision machined, die-cast aluminum cross member with two bolt-on die-cast aluminum side plates.
AGGRESSIVENESS	Aggressiveness stays constant throughout the life of the reel. Patented design.
BEDKNIFE	Replaceable single-edged, high carbon steel bedknife austempered to RC 48-55, fastened to a machined cast iron bedbar with 13 screws. Tournament bedknife is standard on 8-blade & 11-blade cutting units. EdgeMax™ standard on 14-blade cutting unit.
BEDKNIFE ADJUSTMENT	Dual screw, indexed "click" adjustment to the reel; detents corresponding positively to .0007" (.018 mm) bedknife movement for each position.
FRONT & REAR ROLLERS	Front: Aluminum Wiehle®, 2.5" (6.4 cm) diameter with sealed bearings and through-shaft. Option between full, narrow-spaced and wide-spaced roller. Rear: Steel full, 2" (5.1 cm) diameter with sealed bearings and through-shaft.
GRASS SHIELD	Non-adjustable shield with adjustable cut-off bar to improve grass discharge from reel in wet conditions.
TOTAL WEIGHT	8-blade: 72 lbs. (32.7 kg) with aluminum Wiehle Roller. 11-blade: 75 lbs. (34.1 kg) with aluminum Wiehle Roller.

GREENSMASTER 3050 & 3100 ACCESSORIES

TRACTION UNIT ACCESSORIES	
04496	Thatching Reel Kit
04494	Greens Spiker Kit
04495	Greens Tri-Roller Kit
106-6392	Regular dynaBLADES (set of 108)
106-5422	Thin dynaBLADES
95-5943	Thatching Reel Rear Roller Asm.
95-1600	Thatching Reel Rear Roller Scraper
30707	Armrest Kit
231-127	Traction Tires
04422	Variable Traction Speed Kit
105-3848	Light Kit
92-9656	Backlap Kit
114-4640	Quiet Muffler Kit

CUTTING UNIT & REEL OPTIONS	
04610	8-Blade Cutting Unit
04611	11-Blade Cutting Unit
04616	14-Blade Cutting Unit
106-2626	5-Blade Heavy-Duty Reel
107-9522	8-Blade Heavy-Duty Reel
115-5370	14-Blade Reel

BEDKNIFE & BEDBAR OPTIONS	
93-4262	Microcut Bedknife
93-4263	Tournament Bedknife – Standard on 04610/04611
93-4264	Low Cut Bedknife
94-6392	High Cut Bedknife
63-8600	Fairway Bedknife
108-4303	Extended Microcut Bedknife
108-4302	Extended Tournament Bedknife
115-1880	EdgeMax™ Microcut Bedknife
115-1881	EdgeMax™ Tournament Bedknife
112-7475	EdgeMax™ Fairway Bedknife
99-3794-03	Aggressive Bedbar
106-4699	High Height of Cut Kit

SCRAPER OPTIONS	
108-6468	Narrow Wiehle Roller Scraper
110-3961	Wide Wiehle Roller Scraper
110-3962	Full Roller Scraper
110-3963	Narrow Wiehle Roller Scraper Brush
110-3464	Wide Wiehle Roller Scraper Brush
110-3965	Full Roller Scraper Brush
110-3966	Narrow Wiehle Roller Scraper Comb
110-3967	Wide Wiehle Roller Scraper Comb
110-3968	Full Roller Scraper Comb
04646	Rear Roller Scraper (set of 3)
112-9353	Rear Roller Scraper
107-9561	Anti-Bobbing Roller Scraper Kit

GROOMER OPTIONS	
04634	Groomer
117-1500	Grooming Brush
04640	Rotating Rear Roller Brush

ROLLER OPTIONS	
04626	Front Narrow Wiehle Roller (set of 3)
04627	Front Wide Wiehle Roller (set of 3)
04625	Front Full Roller (set of 3)
04628	Solid Steel Roller Kit (front Wiehle & rear steel rollers)
04629	Anti-Bobbing Roller
71-1550	Cast Iron Rear Wiehle Roller
107-3510	Steel Narrow Wiehle Roller
106-6945	Steel Rear Roller
114-4631	DPA Rear Roller Brush Adapter Kit
112-9294	DPA Rear Roller Extension Kit
114-4630	Rear Roller Adjustment Kit

OTHER CUTTING UNIT OPTIONS	
04399	Turf Evaluator
106-6923	Shim
107-3503-01	Extended Grass Shield
Note: DPA Cutting Units on traction units F'03 and older require:	
105-5740	Lift Hook (1)
33115-025	Screws (2)

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**Available Winter/Spring 2010, see your distributor for details.

The Greensmaster 3050 & 3100 are manufactured in Tomah, WI ISO 9002 Certified Plant.

