



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	81 dB(A) at operator's ear under normal operation.	82 dB(A) at operator's ear under normal operation.																											
BYSTANDER SOUND LEVEL	<table border="1"> <thead> <tr> <th>SAE Bystander Sound Pressure at:</th> <th>25 ft. (8m)</th> <th>50 ft. (15 m)</th> <th>100 ft. (30 m)</th> </tr> </thead> <tbody> <tr> <td>Mowing:</td> <td>74 dB(A)</td> <td>68 dB(A)</td> <td>62 dB(A)</td> </tr> <tr> <td>In Transport:</td> <td>72 dB(A)</td> <td>66 dB(A)</td> <td>60 dB(A)</td> </tr> </tbody> </table>			SAE Bystander Sound Pressure at:	25 ft. (8m)	50 ft. (15 m)	100 ft. (30 m)	Mowing:	74 dB(A)	68 dB(A)	62 dB(A)	In Transport:	72 dB(A)	66 dB(A)	60 dB(A)														
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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> <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> <td>Width w/reels:</td> <td>69.75" (177 cm)</td> </tr> <tr> <td>Wheel Tread:</td> <td>49.5" (126 cm)</td> <td>49.5" (126 cm)</td> <td>Height:</td> <td>48.5" (123 cm)</td> </tr> <tr> <td>Wheelbase:</td> <td>47" (119 cm)</td> <td>47" (119 cm)</td> <td>Wet Weight</td> <td>970 lbs. (440 kg)</td> </tr> <tr> <td>Length:</td> <td>90" (229 cm)</td> <td>90" (229 cm)</td> <td></td> <td>1000 lbs. (454 kg)</td> </tr> </tbody> </table>					Model 04351	Model 04356	Model 04351	Model 04356	Width of Cut:	59" (150 cm)	59" (150 cm)	Width w/reels:	69.75" (177 cm)	Wheel Tread:	49.5" (126 cm)	49.5" (126 cm)	Height:	48.5" (123 cm)	Wheelbase:	47" (119 cm)	47" (119 cm)	Wet Weight	970 lbs. (440 kg)	Length:	90" (229 cm)	90" (229 cm)		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
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.
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.

	DPA CUTTING UNIT OPTIONS					
	Part No.	Description	Height of Cut Range (REC)	Part No.	Description	Height of Cut Range (REC)
SERVICE BEDKNIVES	93-4262	Micro-Cut Bedknife	.062-.188" (1.6-4.8 mm)	93-4264	Lo-Cut Bedknife (1/8)	.188-1.00" (4.8-25.4 mm)
	108-4303	Extended Micro-Cut Bedknife	.062-.188" (1.6-4.8 mm)	94-6392	Hi-Cut Bedknife	.312-1.00" (7.9-25.4 mm)
	93-4263	Tournament Bedknife	.125-.375" (3.2-9.5 mm)	63-8600	Fairway Bedknife	.375-1.00" (9.5-25.4 mm)
	108-4302	Extended Tournament Bedknife	.125-.375" (3.2-9.5 mm)			
FULL ROLLER	Model 04625. Set of three (3) 2.5" +/- .03" (6.35 cm) diameter, with sealed bearings and through-shaft (steel tube).					
NARROW-SPACED WIEHLE	Model 04626. Set of three (3) 2.5" +/- .03" (6.35 cm) diameter, .20" +/- .03" spacing with sealed bearings and through-shaft (aluminum).					
WIDE-SPACED WIEHLE	Model 04627. Set of three (3) 2.5" +/- .03" (6.35 cm) diameter, .93" +/- .03" spacing with sealed bearings and through-shaft (aluminum).					
SOLID STEEL ROLLERS	Model 04628. Set of one (includes machined solid steel Front Narrow Wiehle Roller & solid steel Full Rear Roller).					
DAMPENING ROLLER KIT	Model 04629. Set of one (equips one DPA cutting unit)					
GROOMER	Includes a set of three (3) grooming reels, 2.375" (6.03 cm) diameter, .028" (.71 mm) thick heat treated spring steel, operating at 3,000 RPM. Powered by a six (6) rib Poly-V-Belt. Model 04634. Kit contains three for GR3050/3100/3150. Model 04635. Kit contains three for GR3250-D.					
POWERED REAR ROLLER BRUSH	Model 04640. Includes three brush assemblies. Fits GR3050/3100/3150. Model 04641. Includes three brush assemblies. Fits GR3250-D.					
ROLLER SCRAPER KITS	P/N 108-6468. One front roller scraper (narrow-spaced Wiehle). P/N 110-3961. One front roller scraper (wide-spaced Wiehle). P/N 110-3962. One front roller scraper (full roller). P/N 110-3963. One front roller scraper w/brush (narrow-spaced Wiehle). P/N 110-3964. One front roller scraper w/brush (wide-spaced Wiehle). P/N 110-3965. One front roller scraper w/brush (full roller). P/N 110-3966. One front roller scraper w/poly comb (narrow-spaced Wiehle). P/N 110-3967. One front roller scraper w/poly comb (wide-spaced Wiehle). P/N 110-3968. One front roller scraper w/poly comb (full roller). P/N 112-9353. One rear roller scraper.			ADDITIONAL OPTIONS: P/N 106-6937. DPA Reel Seal Kit P/N 106-6923. Shim Model 04646. Rear Roller Scraper (DPA) P/N 107-3503-01. Grass Shield, Extended P/N 107-3510. Wiehle Roller, steel (DPA) P/N 107-9561. Roller Scraper (Dampening Roller Kit) P/N 114-4631. Rear Roller Brush Kit P/N 71-1550. Wiehle Roller, cast iron		
HIGH HEIGHT OF CUT KIT	P/N 106-4699. For one cutting unit.					
5 BLADE HEAVY DUTY REEL	P/N 106-2626. One reel weld assembly.					
8 BLADE HEAVY DUTY REEL	P/N 107-9522. One reel weld assembly.					
GROOMER BRUSH ASSY.	P/N 112-9460. One brush.					

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

