



Reelmaster® 6500-D & 6700-D

These first true mid size fairway mowers offer power, durability, a consistently superb quality of cut and up to 10 acres per hour productivity.





Reelmaster® 6500-D & 6700-D Specifications*

	REELMASTER 6500-D MODEL 03806, 2WD OR MODEL 03807, 4WD	REELMASTER 6700-D MODEL 03808, 4WD																																			
ENGINE	Kubota® V1505-T liquid-cooled diesel engine. 4-cylinder, over-head valve. 1.5 liter displacement. Turbo-charged. 44.2 hp (33 kW) gross rated, 42 hp (31.3 kW) net at 3000 rpm. 40 amp alternator. Donaldson two-stage air cleaner with safety filter and restriction indicator.																																				
RADIATOR	Rear mounted, cross-flow 6.3 fins per inch. Cooling system capacity is 10 quarts (9.5 liters). Air to oil cooler with 2 rows, 6 fins per inch, mounted in front of radiator tips outward for cleaning. Removable oil cooler/radiator screen.																																				
ELECTRICAL FEATURES	12-volt, 650 cold cranking amperes at 0°F (-18°C), 105 minute reserve capacity at 80°F (27°C), maintenance free battery. 1.4 kW electric starter. 40 amp alternator with I.C. regulator/rectifier. Automotive type electrical system. Seat switch, reel and traction interlock switches.																																				
FUEL SYSTEM	Bosch® in-line fuel injection pump with energized-to-run (ETR) fuel flow solenoid. Replaceable spin-on fuel filter/water separator. Fuel capacity: 15 gallons (57 liters). 2008 models Biodiesel-Ready for use up to B-20 (20% biodiesel and 80% petroleum blend).																																				
CONTROLS	Foot operated traction and brake pedals. Hand operated throttle, traction speed limiter, parking brake latch, ignition switch, single joystick control for cutting unit on/off and lift/lower. Reel speed and backup controls located under the hood.																																				
GAUGES	Hour meter, speedometer, fuel gauge, engine coolant gauge, and warning light cluster: engine oil pressure, high engine temperature, charge indicator, glow plug. Reel control lamp that lights to indicate glow time, controller fault, and high mow speed warning.																																				
DIAGNOSTICS	The Automatic Control Electronics, ACE™ system allows precision timing and control of machine functions for maximum reliability. Optional diagnostic display connects to an electronic control unit to pinpoint any electrical problems quickly and easily. Available DATA LOG™ system allows mechanic to find intermittent problems. Diagnostic test ports are provided for front and rear cutting unit drive, cutting unit lift, steering, and hydrostatic transmission charge pressure.																																				
TRACTION DRIVE	Power to the front drive wheel is via servo-controlled hydrostatic pump operating individual fixed displacement axial piston wheel motors that operate a planetary gear final drive assembly. Foot pedal control of forward/reverse ground speed. Toro 4-Matic® 4WD System only: couples rear drive axle to hydrostatic transmission via overrunning clutch for full time on-demand 4WD. A Roll Over Protection Structure (ROPS) and seat belt are standard on 4WD models.																																				
GROUND SPEED	0-10 mph (0-16.1 km/hr) forward; 0-4 mph (0-6.4 km/hr) reverse.																																				
TIRES/WHEELS/PRESSURE	Two rear steering tires: 20 x 10-10, tubeless, 6-ply rating. Two front traction drive tires: 29 x 14-15, tubeless, 6-ply rating. Recommended tire pressure: 10-15 psi (59-103 kPa).																																				
MAIN FRAME	All welded steel frame includes tie-down loops.																																				
BRAKES	Wet triple disc brakes on front planetary assemblies may be actuated individually for service brakes or locked together for transport or parking brakes. Dynamic braking through hydrostatic traction drive.																																				
STEERING	Power steering with dedicated power source.																																				
SEAT	Deluxe seat with adjustable suspension and fore-aft location. Optional Armrest Kit, Model 30707.																																				
ROPS	A 2-post ROPS with seat belt and optional canopy; standard on Models 03807 and 03808, optional on Model 03806.																																				
OVERALL DIMENSIONS	<table border="1"> <thead> <tr> <th></th> <th>Height</th> <th>Length</th> <th>Transport Width</th> <th>Operational Width</th> <th>Wheel Tread</th> <th>Wheelbase</th> </tr> </thead> <tbody> <tr> <td>Models 03806/03807:</td> <td>60" (152 cm) w/o ROPS</td> <td>120" (305 cm)</td> <td>84" (213 cm)</td> <td>110" (279 cm)</td> <td>72.25" (178 cm) - front</td> <td>58" (147 cm)</td> </tr> <tr> <td></td> <td>84" (213 cm) w/ ROPS</td> <td></td> <td></td> <td></td> <td>41" (104 cm) - rear</td> <td></td> </tr> <tr> <td>Model 03808:</td> <td>84" (213 cm) w/ ROPS</td> <td>120" (305 cm)</td> <td>84" (213 cm)</td> <td>147" (374 cm)</td> <td>72.25" (178 cm) - front</td> <td>58" (147 cm)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>41" (104 cm) - rear</td> <td></td> </tr> </tbody> </table>			Height	Length	Transport Width	Operational Width	Wheel Tread	Wheelbase	Models 03806/03807:	60" (152 cm) w/o ROPS	120" (305 cm)	84" (213 cm)	110" (279 cm)	72.25" (178 cm) - front	58" (147 cm)		84" (213 cm) w/ ROPS				41" (104 cm) - rear		Model 03808:	84" (213 cm) w/ ROPS	120" (305 cm)	84" (213 cm)	147" (374 cm)	72.25" (178 cm) - front	58" (147 cm)						41" (104 cm) - rear	
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NET WEIGHT WET	Model 03806: 3,100 lbs. (1,407 kg) with 5-blade cutting units and full fluid levels. Model 03807: 3,200 lbs. (1,453 kg) with 5-blade cutting units and full fluid levels. Model 03808: 3,850 lbs. (1,748 kg) with 5-blade cutting units and full fluid levels.																																				
SOUND LEVEL	82 dB(A) under normal operating conditions.																																				
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.																																				
CERTIFICATION	The Reelmaster 6000 series complies with American National Standards Institute (ANSI B71.4-2004) and European Community (CE) specifications with required weight kits and ballast installed.																																				

	HYDRAULIC SYSTEM
PUMP	A three section gear pump provides hydraulic flow to power the cutting units, power steering and cutting unit lift.
CONTROL BLOCKS	All hydraulic functions are controlled by two integrated hydraulic control blocks utilizing cartridge type relief valves, solenoid controlled proportional valves and solenoid operated directional control valves.
REEL SPEED CONTROL	Reel drive circuit is split into front and rear independent circuits. Each circuit has a manually adjustable control for reel speed and backlap adjustment.
LIFT CYLINDERS	All lift and lower sequences are controlled by the ECU.
HYDRAULIC OIL RESERVOIR	100% of oil from reservoir passes through a 100 mesh suction strainer before entering the reel drive circuit. 8.5 gallon (32 liter) capacity.
HYDRAULIC OIL FILTER	11 gram capacity at 10 gallon (37 liter) per minute flow Average Beta = 20 at 3 micron. Filter head has integral 50 psi (3.4 bars) bypass and a true differential pressure service indicator.

*Specifications and design subject to change without notice. Products depicted in this literature are for demonstration purposes only. Actual products offered for sale may vary in use, design, required attachments and safety features. See distributor for details on all warranties.

The Reelmaster 6500-D & 6700-D are manufactured in Tomah, WI ISO 9002 Certified Plant.





Reelmaster® 6500-D & 6700-D Specifications* (continued)

DPA Cutting Units – Retrofit 2001 and newer traction units

8 AND 11-BLADE DPA CUTTING UNITS, MODELS 03698 AND 03699		
	Reelmaster 6500-D	Reelmaster 6700-D
TYPE	Five hydraulically driven, balanced cutting units with adjustable rear weight transfer spring. Cutting units feature quick disconnect for removal/installation and are interchangeable to all positions. Cutting units also feature rear throw capability.	Seven hydraulically driven, balanced cutting units with adjustable rear weight transfer spring. Cutting units feature quick disconnect for removal/installation and are interchangeable to all positions. Cutting units also feature rear throw capability.
WIDTH OF CUT	96" (244 cm).	133" (338 cm)
SIZE	22" (56 cm) wide, 7" (17.8 cm) diameter, 8 and 11 blade cutting units.	
HOC RANGE	0.25" - 1.0" (6.4-25.4 mm) standard. Up to 2.0" (50.8 mm) with high height of cut kit.	
REEL SPEED	Manually controlled, variable reel speed for control of clip frequency.	
BEDKNIFE ADJUSTMENT	Dual Precision Adjustment (DPA), bedknife to reel.	
ROLLERS	3" (7.6 cm) diameter, deep groove Wiehle front roller. 3.0" (7.6 cm) diameter rear roller. Other roller configurations optional.	

FAIRWAY GROOMER, MODELS 03685, 03686 & OPTIONAL BROOMER,™ PART 110-4085	
TYPE	Rotating blades with optional Broomer™ brush strips that are woven within the blade helix for full width turf contact.
GROOMING WIDTH	20.5" (52.1 cm)
GROOMING RANGE	0-0.25" (0-6.4 mm) below height of cut when engaged, 0-0.25" (0-6.4 mm) above height of cut when disengaged.
BLADES	2.5" (6.4 cm) diameter, 0.042" (1 mm) thick heat treated spring steel blades with 0.5" (12.7 mm) spacing.

POWERED REAR ROLLER BRUSH, MODEL 03688	
TYPE	Rotating, helically woven, stiff bristled brush.
CONTACT POINTS	Tightly woven 11 point contact.
SPIN RATE	Rapid 2000 rpm spin rate.

TRACTION UNIT ACCESSORIES	
03671	CrossTrax® All-Wheel Drive
03667	Air-ride Seat Suspension
30349	Universal Mount Sunshade
03662	Grass Basket Kit

REEL OPTIONS	
108-9072	7" - 5 Blade Reel only
03684	Verticutter Reel
110-9600	High Height of Cut Kit

BEDKNIFE OPTIONS	
110-4084	Low Cut Bedknife
125-2771	EdgeMax™ Low Cut Bedknife
108-9095	EdgeMax™ Bedknife (Production)
119-4280	EdgeMax™ Extended Low HOC Bedknife
120-1640	Extended Low HOC Bedknife
110-4074	Heavy Duty Bedknife
108-9096	Standard Bedknife

SCRAPER OPTIONS	
107-3280	Rear Roller Scraper
107-2993-03	Wiehle Roller Scraper
110-1735	Comb Scraper Kit

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