



# Reelmaster® 5010-H

HYBRID FAIRWAY MOWER

## FEATURES

- **Specifications** – Tier 4 Compliant - 24.8 hp (18.5 kW) Kubota® diesel engine and 48-volt Absorbed Glass Mat (AGM) battery pack.
- **PowerMatch™** – Matches machine power output to what the conditions require. When hilly terrain and challenging mowing require more power than the engine can provide, the Reelmaster 5010-H automatically redirects the cutting unit load from the engine to the battery pack, giving the machine the equivalent of over 40 horsepower (29.8 kW).
- **Fuel Savings** – Save an average of 20% in fuel consumption over comparably equipped mowers.
- **Smart Power™** – Automatically adjusts the mower's ground speed for the terrain and cutting conditions to protect the electric reel drive components and maintain desired reel speed, taking the guesswork out of a consistent cut.
- **Electronic Cruise Control** – Easily keep a consistent speed and reduce fatigue while mowing large areas.
- **Proven Platform** – Durability, performance, comfort, and serviceability come standard.
- **InfoCenter™** – The onboard LCD display provides system information, alerts, service reminders, diagnostics, and more.
- **Reel Control (Exclusive)** – After desired clip rate is easily set in the InfoCenter, the 5010-H's reel speed automatically and continuously adjusts to ground speed, ensuring consistent cutting performance.



## Full Fairway-Sized Efficiency

The Reelmaster 5010-H provides all the power required from an efficient, smart dual power system. The world's first true hybrid fairway mower, the 5010-H's patented PowerMatch® technology smartly interprets power needs in real time, drawing variable, independent energy levels from the efficient diesel engine and battery pack to match conditions on the ground. Electric motors on the cutting units improve performance, reduce power requirements and virtually eliminate leak points. The result is increased fuel efficiency, quieter and worry-free operation, reduced maintenance, and unmatched quality of cut.



**SMART POWER™**

**EdgeSeries™ Reels**

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**Call your Toro distributor at 800-803-8676**



# Reelmaster® 5010-H Specifications\*

REELMASTER 5010-H, MODEL 03950	
<b>POWER SYSTEM</b>	Tier 4 compliant 24.8 hp (18.5 kW) Kubota® 3-cylinder, liquid-cooled, diesel engine. Four 12V Absorbed Glass Mat (AGM), sealed, maintenance-free lead carbon batteries.
<b>LUBRICATION</b>	Pressurized lubrication system with 3.5 quart (3.3 liter) capacity.
<b>FUEL FILTER</b>	Replaceable spin-on fuel filter/water separator.
<b>COOLING</b>	Rear mounted radiator with industrial tube and fin construction, 6 fins per inch, 5.5 quart (5.2 liter) system capacity.
<b>FUEL TANK CAPACITY</b>	14 gallons (53 liters), diesel fuel.
<b>TRACTION DRIVE</b>	Front drive wheels powered in a parallel circuit by an electronically controlled hydrostatic pump with individual wheel motors. All-wheel drive optional with CrossTrax® All-Wheel Drive system, which transfers power from the front wheels to the opposite rear wheels via independent rear wheel motors.
<b>GROUND SPEED</b>	0-10 mph (0-16 km/h) forward transport; 0-8 mph (0-12.8 km/h) mow; 0-5 mph (0-8 km/hr) reverse transport; 0-4 mph (0-6.4 km/hr) reverse mow.
<b>TIRES</b>	Front traction tires: 26.5 x 14-12; Rear steer tires: 20 x 12-10.
<b>MAIN FRAME</b>	High strength steel frame with welded construction.
<b>BRAKES</b>	Dynamic braking through hydrostatic traction drive. Parking brake is activated when engine is turned off, when operator leaves seat, or by rocker switch.
<b>STEERING</b>	Rear wheel, power steering with an independent hydraulic pump and circuit.
<b>GAUGES</b>	InfoCenter™ onboard LCD display shows gauges, alerts, faults, service reminders, electrical systems diagnostics, indicates fuel level, coolant temp., low oil pressure, alternator, engine hours, engine rpm, voltage, reel speed, backlap speed, glow indicator, lift/lower indicator.
<b>CONTROLS</b>	Single foot-operated traction pedal. Hand-operated key ignition switch, switch-operated throttle, cutting unit raise/lower joystick, cutting unit engage switch, parking brake switch, cruise control switch, and LED headlight switch, all positioned on right hand pivoting control console.
<b>ELECTRICAL</b>	Heavy duty 12-volt battery, 570 CCA, 40 amp alternator. Electronic control unit is a microprocessor based, solid state control unit with diagnostic capabilities. Traction pedal, parking brake, operator presence in seat, and cutting unit engage/disengage safety interlock switches.
<b>REEL DRIVE</b>	Five independent reel motors, each individually fused. Reel speeds are electronically adjustable in nine incremental settings. 5010-H exclusive feature, reel speed continuously adjusts to ground speed, keeping desired clip rate consistent. On-board backlapping is standard.
<b>SEAT</b>	Deluxe high back suspension seat with fore, aft, height and weight adjustment.
<b>DIMENSIONS</b>	Height: 63" (160 cm) to seat, 85.5" (217.2 cm) to ROPS. Length: 111" (281.9 cm) Wheelbase: 60" (152.4 cm) Operational Width: 116" (288.3 cm) Transport Width: 92" (233.7 cm).
<b>WEIGHT</b>	With 5" cutting units: 2WD – 2,776 lbs. (1,259 kg), 4WD – 2,827 lbs. (1,282 kg). With 7" cutting units: 2WD – 2,907 lbs. (1,319 kg), 4WD – 2,965 lbs. (1,345 kg).
<b>SAFETY / CERTIFICATION</b>	ROPS Standard. Complies with ANSI B71.4, ISO EN 5395 and CE requirements
<b>WARRANTY</b>	Two-year limited warranty. Refer to the Operator's Manual for further details.

CUTTING UNITS: 5" 8-BLADE: 03621 5" 11-BLADE: 03623 7" 8-BLADE, RADIAL: 03638 7" 8-BLADE, FORWARD-SWEPT: 03639 7" 11-BLADE FORWARD-SWEPT: 03641	
<b>TYPE</b>	Five electrically driven, DPA cutting Units with low-drag seal and bearing package. Frame precision manufactured, die-cast aluminum for increased strength, simple click adjustment maintenance.
<b>SIZE</b>	22" (56 cm) wide, 5" (12.7 cm) or 7" (17.8 cm) diameter.
<b>WIDTH OF CUT</b>	100" (254 cm)
<b>HOC RANGE</b>	0.25"-1.5" (6.4-38.1 mm)
<b>REEL SPEED</b>	Electronically controlled, variable reel speed for optimal clip frequency and independently controlled backlap speed.
<b>BEDKNIFE ADJUSTMENT</b>	Precision machined cutting units maintain levelness and hold adjustments. Dual Precision Adjustment (DPA) allows quick bedknife to reel adjustment.
<b>ROLLERS</b>	Wiehle front roller and standard rear roller included. Optional front full and shoulder rollers, and longer rear rollers available.

\*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.





# Reelmaster® 5010-H Accessories

CUTTING UNITS	
03647	5" (12.7 cm) cutting unit finishing kit
03621	5" (12.7 cm) 8-blade DPA RR cutting unit
03623	5" (12.7 cm) 11-blade DPA FSR cutting unit
03624	5" (12.7 cm) 11-blade DPA RR cutting unit
03618	5" (12.7 cm) verticutter cutting unit
03649	7" (17.8 cm) cutting unit finishing kit
03638	7" (17.8 cm) 8-blade, RR cutting unit
03639	7" (17.8 cm) 8-blade, FSR cutting unit
03641	7" (17.8 cm) 11-blade, FSR cutting unit
03643	7" (17.8 cm) 11-blade, RR cutting unit
03619	7" (17.8 cm) verticutter cutting unit

TRACTION UNIT ACCESSORIES	
03655	CrossTrax® All-Wheel Drive Kit
03656	CrossTrax All-Wheel Drive Finishing Kit
03667	Air-ride Seat Suspension
03415	Standard Flexible Grass Basket
03416	Compact Flexible Grass Basket

TRACTION UNIT SUNSHADE	
30669	Universal Sunshade - White
30671	Universal Sunshade - Red
03248	Switch Panel
03247	Operator Cooling Fan
140-1554	Worklights
138-2699	Beacon
138-2994	Wire Harness

5" (12.7 cm) CUTTING UNIT ACCESSORIES	
03763	Universal Groomer
03772	22" (56 cm) Groomer Cartridge
03767	Grooming Brush Cartridge
03417	Universal Only Weight Kit
03658	Powered rear roller brush for groomers
03413	Weight for cutting units with attachments
03406	Powered rear roller brush only
03411	End Weight Kit
03415	Flex Grass Basket
131-6845	Flex Groomer Rod Kit

7" (17.8 cm) CUTTING UNIT ACCESSORIES	
03768	Universal Groomer
03772	22" (56 cm) Groomer Cartridge
03767	Grooming Brush Cartridge
03418	Universal Only Weight Kit
03659	Powered rear roller brush for groomers
03419	Universal w/RRB Weight Kit
03408	Powered rear roller brush only
03405	Weight for cutting units without attachments
03415	Flex Grass Basket
131-6845	Flex Groomer Rod Kit

BEDKNIFE OPTIONS	
108-9095	EdgeMax™
108-9096	Standard
127-7132	EdgeMax Low Cut
110-4084	Low Cut
119-4280	EdgeMax Extended Low Cut
120-1640	Extended Low Cut
110-4074	Heavy Duty

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