



Reelmaster 5010-H

Hybrid fairway mower

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 an unmatched quality of cut.



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SMART POWER



EdgeSeries Reels

FEATURES

Specifications

- Tier 4 Compliant— 17.1 kW (22.9 hp) Kubota diesel engine and 48 V 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 29.8 kW (40 hp).

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.



	REELMASTER 5010-H, MODEL 03950
POWER SYSTEM	Tier 4 compliant 17.1 kW (22.9 hp) Kubota 3-cylinder, liquid-cooled, diesel engine. Peak torque: 67.25 Nm (49.6 lbs-ft) @ 2,200 rpm. Four 12 V Absorbed Glass Mat (AGM), sealed, maintenance-free lead carbon batteries.
LUBRICATION	Pressurised lubrication system with 3.3 L capacity.
FUEL FILTER	Replaceable spin-on fuel filter/water separator.
COOLING	Rear-mounted radiator with industrial tube and fin construction, 6 fins per 2.5 cm (1"), 5.2 L system capacity.
FUEL TANK CAPACITY	53 L, diesel fuel.
TRACTION DRIVE	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.
GROUND SPEED	0–10 mph forward transport; 0–8 mph mow; 0–5 mph reverse transport; 0–4 mph reverse mow.
TYRES	Front traction tyres: 26.5 x 14.00-12; Rear steer tyres: 20 x 12.00-10.
MAIN FRAME	High-strength steel frame with welded construction.
BRAKES	Dynamic braking through hydrostatic traction drive. Parking brake is activated when engine is turned off, when operator leaves seat or by rocker switch.
STEERING	Rear wheel, power steering with an independent hydraulic pump and circuit.
GAUGES	InfoCenter onboard LCD display shows gauges, alerts, faults, service reminders and electrical system diagnostics that indicate fuel level, coolant temp., low oil pressure, alternator, engine hours, engine rpm, voltage, reel speed, backlap speed, glow indicator and lift/lower indicator.
CONTROLS	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.
ELECTRICAL	Heavy-duty, 12 V battery, 570 CCA, 40 A 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.
REEL DRIVE	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 to keep desired clip rate consistent. Onboard backlapping comes as standard.
SEAT	Deluxe high-back suspension seat with fore, aft, height and weight adjustment.
DIMENSIONS	Height: 160 cm (63") to seat, 217.2 cm (85.5") to ROPS. Length: 281.9 cm (111") Wheelbase: 152.4 cm (60") Operational width: 288.3 cm (116") Transport width: 233.7 cm (92").
WEIGHT	With 12.7 cm (5") cutting units: 2WD – 1,259 kg, 4WD – 1,282 kg. With 17.8 cm (7") cutting units: 2WD – 1,319 kg, 4WD – 1,345 kg.
SAFETY/CERTIFICATION	ROPS standard. Complies with ANSI B71.4, ISO EN 5395 and CE requirements.
WARRANTY	Two-year warranty. Refer to the Operator's Manual for further details.

	CUTTING UNITS: 12.7 cm (5") 8-BLADE: 03621 12.7 cm (5") 11-BLADE: 03623 17.8 cm (7") 8-BLADE, RADIAL: 03638 17.8 cm (7") 8-BLADE, FORWARD-SWEPT: 03639 17.8 cm (7") 11-BLADE FORWARD-SWEPT: 03641
TYPE	Five electrically driven, DPA cutting units with low-drag seal and bearing package. Frame precision manufactured, die-cast aluminium for increased strength, simple click adjustment maintenance.
SIZE	56 cm wide, 12.7 cm (5") or 17.8 cm (7") diameter.
WIDTH OF CUT	254 cm (100")
HOC RANGE	8-blade: 12.7 cm (5"): 13–38 mm (0.5–1.5"), 17.8 cm (7"): 13–51 mm (0.5–2.0"), 11-blade: 6–19 mm (0.25–0.75")
REEL SPEED	Electronically controlled, variable reel speed for optimal clip frequency and independently controlled backlap speed.
BEDKNIFE ADJUSTMENT	Precision-machined cutting units maintain levelness and hold adjustments. Dual Precision Adjustment (DPA) allows quick bedknife-to-reel adjustment.
ROLLERS	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.



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

TRACTION UNIT ACCESSORIES	
03645	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

12.7 cm (5") CUTTING UNIT ACCESSORIES	
03763	Universal groomer
03772	56 cm (22") 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

17.8 cm (7") CUTTING UNIT ACCESSORIES	
03768	Universal groomer
03772	56 cm (22") 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
147-1245	Standard
127-7132	EdgeMax low cut
147-1244	Low cut
147-1257	Standard tournament cut (56 cm (22"))
119-4280	EdgeMax extended low cut
147-1243	Extended low cut
147-1246	Heavy duty

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The Reelmaster 5010-H is manufactured in
Tomah, WI ISO 9002 Certified Plant.



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