

A MUST FOR ANY COURSE.

When you need a reel trim mower whose cutting quality and versatility is second to none, the Toro® Reelmaster® 3100-D is the clear choice. It's the only reel mower with Sidewinder® technology that slides the cutting units side-to-side, on the fly, to reach turf that other mowers can't. It's perfect for mowing around greens and bunkers where precision control is a must. Add the EdgeSeries™ reels - DPA cutting units and triplex configuration, and the 3100-D is the best reel trim mower on the market.



FEATURES

• Series/Parallel™ 3-Wheel Drive System

The Reelmaster® 3100-D has superior traction on rolling and hilly terrain, even with heavy early morning dew. The Series/Parallel™ 3-wheel drive system maintains power to a minimum of two wheels to prevent slippage and spinouts no matter where you are on the course. A 21.5 hp (16 kW), 3-cylinder Kubota® diesel engine provides smooth acceleration and consistent speed for a better cut. Its 14 km/h transport speed gets you around the course quickly.

• EdgeSeries™ Cutting Units

The Toro EdgeSeries™ represents the next generation of cutting quality and durability, with enhanced cutting edge retention. In addition to new reel material, the EdgeSeries incorporates a new reel geometry design, and changes in the manufacturing process that result in a more accurate cut. The innovative design and manufacturing changes to the

reel and bedknife provide a better after-cut appearance and a reduction in required maintenance. The EdgeSeries provides multiple benefits that require less labour to maintain the reel and bedknife, and leave your turf looking its absolute best.

• Exclusive Sidewinder® Cutting System

Choosing the available Sidewinder® cutting units gives the Reelmaster 3100-D versatility you won't find in any other reel mower. The operator can shift the Sidewinder cutting units up to 12" (30 cm) each direction for access under trees and other hard-to-reach places. This is especially handy around hazards where you want a close cut but want to keep the tyres away from the edges. Sidewinder also allows you to vary the tyre tracking to prevent rutting and compaction in areas that are mowed with the same pattern.

• Operator Comfort

A single joystick gives you easy, precise control of the cutting units. Operators love driving the Reelmaster® 3100-D, and not just because of the innovative Sidewinder® feature. The unique all-out-front design gives the driver an unobstructed view of the cutting path. Plus, you don't have to sit on a hot engine all day long. Other comforts that make the workday more relaxing include power steering, a tilt steering wheel and a comfortable, adjustable seat.

• Effortless Maintenance

The Reelmaster 3100-D is as easy to maintain as it is to drive. The location of the engine gives you quick access to oil filters, air filters and other routine maintenance items. The cutting units are also easy to service and maintain, including the center unit that moves into an easy-access position via the joystick control.

REELMASTER 3100-D, MODEL 03170

REELMASTER 3100-D W/ SIDEWINDER, MODEL 03171

ENGINE	Kubota® liquid-cooled diesel, 3-cylinder, 21.5 hp (16 kW) net @ 2500 RPM. High idle: 2,600 rpm, Low idle: 1,400 rpm (+/- 50 rpm). 68.5 cu. in. (1123 cm³) displacement. Pressurised lubrication system with 3.5 U.S. qt. (3.3 litre) capacity. Heavy-duty, radial seal air cleaner. Fuel/water separator.		
CONFIGURATION	Rear mounted engine, front operator position. Rear mounted radiator. Two post ROPS and seat belt standard.		
FUEL CAPACITY	7.5 gallons (28 litres). Biodiesel-Ready for use up to B-20 (20% biodiesel and 80% petroleum blend).		
TRACTION DRIVE	Series/Parallel hydraulic traction circuit provides continuous 3-wheel drive, in mow and transport. Hydrostatic traction drive provides infinitely variable speed in forward and reverse. 6 gallon (23 litre) hydraulic system capacity.		
GROUND SPEED	Mow: 0-6 mph (0-10 km/h); Transport: 0-9 mph (0-14 km/h). Reverse: 0-4 mph (0-6 km/h).		
CONTROLS	Forward and reverse traction control pedals, mow/transport lever, hand activated park brake, ignition key switch, tilt steering wheel lock, PTO switch, throttle, joystick control for cutting unit raise and lower (and for moving cutting units side-to-side on Sidewinder equipped models), cutting unit transport lock, reel speed and backlap control knob.		
GAUGES	Hour meter, fuel gauge, cluster gauge with glow plug and charge indicator lights, and low engine oil pressure and high coolant temperature warning lights (high temperature safety shut off).		
ELECTRICAL & INTERLOCKS	12-volt, 585 cold cranking amps at 0° F (-18° C), 40 amps with regulator/rectifier. Traction pedal, operator presence in seat, PTO engage or disengage, and cutting unit mow or transport safety interlock switches.		
TYRES	Front: 20 x 12-10, 4-ply Turf Tread. Rear: 20 x 10-10, 4-ply Turf Tread		
FRAME	Formed steel, welded steel and steel tubing.		
BRAKES	Hydrostatic service brake, hand-operated parking brake.		
STEERING	Power steering with tilt steering wheel.		
OVERALL DIMENSIONS	Track Width: 55" (140 cm) Wheel Base: 56" (142 cm) Overall Length: 93" (236 cm)	Overall Height: 71" (180 cm) with ROPS Transport Width: 80" (203 cm) in 72" (183 cm) WOC 92" (234 cm) in 85" (216 cm) WOC Approx. Weight with Cutting Units: 1860 lbs. (844 kg)	
CUTTING UNIT CONFIGURATION	Fixed position cutting units.	Operator controlled moveable cutting units travel ±12" (30 cm) left or right from center; total of 24" (61 cm) of infinite variability.	
CUTTING UNIT OFFSET	3" (7.6 cm) in 72" (183 cm) width of cut 10" (25 cm) in 85" (216 cm) width of cut	Maximum 15" (38 cm) in 72" (183 cm) width of cut Maximum 22" (56 cm) in 85" (216 cm) width of cut	
CERTIFICATION	This product complies with the American National Standards Institute (ANSI B71-4 – 2012) and European Community specifications (CE Certified). EN ISO 5395.		
WARRANTY	Two-year limited warranty, refer to operator's manual for details.		

27" (69 CM) CUTTING UNITS (03188, 03189, 03190) / 32" (81 CM) CUTTING UNITS (03191)

TYPE	Three hydraulically-driven, balanced, 7" (17.8 cm) diameter reels. Cutting units interchangeable to all three positions.		
REEL BLADE OPTIONS	5, 8 and 11-blade reels available for 27" (69 cm) cutting unit. 8-blade reel cutting unit (5-blade service reel) available for 32" (81.3 cm) cutting unit.		
HOC RANGE	Height of cut ranges .25" to 2" (.63 - 5.1 cm) standard in floating position, 1.5" to 2.5" (3.8 - 6.4 cm) in fixed position.		
CUTTING WIDTH	72" (183 cm) or 85" (216 cm) width of cut dependent on cutting unit selection.		
CLIP FREQUENCY/ BACKLAPPING	Manually controlled variable reel speed for adjustment of clip frequency. Standard on-board backlapping.		
BEDKNIFE-TO-REEL ADJUSTMENT	Dual point adjustment (DPA) of bedknife to reel.		
ROLLERS	Full roller standard on rear of cutting unit and plastic front Wiehle roller.		

CUTTING UNIT OPTIONS

- 27" (69 cm) 5-Blade DPA EdgeSeries™ Cutting Unit
- 27" (69 cm) 8-Blade DPA EdgeSeries™ Cutting Unit
- 27" (69 cm) 11-Blade DPA EdgeSeries™ Cutting Unit
- 27" (69 cm) Verticutter Cutting Unit
- 32" (81 cm) 8-Blade DPA EdgeSeries™ Cutting Unit

27" (69 CM) DPA EDGESERIES™ CUTTING UNIT ACCESSORIES

- Universal Groomer
- 72" (69 cm) Universal RRB Kit
- 72" (69 cm) Universal Groomer Cartridge
- Groomer Broomer Kit
- End Weight Kit
- Rear Roller Brush Only Kit
- Grass Basket Kit
- Rear Roller Scraper Kit
- Wiehle Roller Scraper
- Comb/Scraper Kit
- Shoulder Roller Asm
- Shoulder Roller Scraper
- Full Front Roller
- Full Front Roller Scraper
- Short Rear Roller Asm
- High HOC Brush
- Fixed Plate (2 per cutting unit)
- Trim/HD Collar Kit (6 per roller)
- RM3100 Tipper Roller Kit
- Gauge Bar

TRACTION UNIT ACCESSORIES

- Bimini Canvas Sunshade
- myTurf® Wireless Hour Meter Assembly
- Golf Ball Guard
- Worklight Kit

32" (81 CM) DPA EDGESERIES™ CUTTING UNIT ACCESSORIES

- Rear Roller Brush Kit
- 5-Blade Service Reel
- Rear Roller Scraper Kit
- Wiehle Roller Scraper
- Comb/Scraper Kit
- High HOC Brush
- Full Front Roller
- Full Front Roller Scraper
- Shoulder Roller Asm
- Shoulder Roller Scraper
- Short Rear Roller Asm
- Fixed Plate (2 per cutting unit)
- Trim/HD Collar Kit (6 per roller)
- RM3100 Tipper Roller Kit
- Gauge Bar
- End Weigh Kit

BEDKNIFE OPTIONS

- Standard 27" (69 cm) - Production
- Standard 32" (81 cm) - Production
- EdgeMax™ 27" (69 cm)
- EdgeMax™ 32" (81 cm)
- Heavy-Duty 27" (69 cm)
- Heavy-Duty 32" (81 cm)
- Extended Low-Cut 27" (69 cm)
- Extended Low-Cut 32" (81 cm)

*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 3100-D is manufactured in Tomah, WI ISO 9002 Certified Plant.



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