

AN ESSENTIAL TRIM REEL MOWER FOR ANY COURSE.

When you need a reel trim mower whose versatility, performance and after-cut appearance is second to none, the Toro® Reelmaster 3100-D is the clear choice.

With Sidewinder® technology, Toro pioneered the ability to shift cutting units on the fly from side to side, reaching areas of turf that other mowers simply cannot get to. It's ideal for mowing around greens and bunkers where conditions can be challenging but where precision control is an absolute must. Add a triplex chassis configuration and Toro's exclusive EdgeSeries cutting units and you get an exceptionally performing, highly manoeuvrable reel trim mower that consistently delivers a superior after-cut appearance, day after day.



toro.com/reelmaster

EdgeSeries Reels

FEATURES

Productivity

- Triplex chassis design is highly manoeuvrable for quick, end-of-row turn arounds. 183 or 216 cm (72" or 85") cutting widths in combination with up to a 6 mph mowing speed make the Reelmaster 3100-D fast and effective.

Superior traction

- The Series/Parallel three-wheel drive system provides power to at least two wheels at all times. The result is impressive traction in hilly and wet conditions with minimal wheel slip, so it's also gentle on the turf.

Efficiency

- Powered by a fuel-efficient 16 kW (21.5 hp) Kubota diesel engine, this Reelmaster model provides plenty of power for those challenging cutting conditions, even while operating groomers, rear roller brushes and veritcutters.

Simplicity

- The Reelmaster 3100-D utilises a common platform design with other Toro mowers, which can improve operator and technician efficiency.

Lightweight design

- An ideal combination for turf friendliness, the lightweight and balanced chassis avoids unnecessary weight on your sensitive turf.

Outstanding quality of cut

- Dual Precision Adjustment (DPA) cutting units featuring Toro's exclusive EdgeSeries reels combine to deliver a consistent, high-quality cut and superior after-cut appearance, while reducing maintenance with improved reel edge retention.

	REELMASTER 3100-D, MODEL 03170	REELMASTER 3100-D, MODEL 03171 w/ Sidewinder®
ENGINE	Kubota liquid-cooled diesel, 3-cylinder, 16 kW (21.5 hp) net @ 2,500 rpm. High idle: 2,600 rpm, low idle: 1,400 rpm (+/- 50 rpm). 1,123 cc (68.5 in³) displacement. Tier 4 and Stage V compliant. Pressurised lubrication system with 3.3 L capacity. Heavy-duty, radial seal air cleaner. Fuel/water separator with visible bowl.	
CONFIGURATION	Rear-mounted engine, front operator position. Rear-mounted radiator. Two post ROPS and seat belt standard.	
FUEL CAPACITY	28 l. 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. 23 l hydraulic system capacity.	
GROUND SPEED	Mow: 0–6 mph; transport: 0–9 mph; reverse: 0–4 mph.	
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 from 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 AND INTERLOCKS	12-volt, 585 cold-cranking amps at -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 12.00-10, 4-ply turf tread. Rear: 20 x 10.00-10, 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: 140 cm (55") Overall height: 193 cm (76") with ROPS Wheel base: 142 cm (56") Transport width: 203 cm (80") in 183 cm (72") WOC, 234 cm (92") in 216 cm (85") WOC Overall length: 248 cm (93")	
WEIGHT	Approx. weight with 69 cm (27") cutting units: 844 kg	Approx. Weight with 69 cm (27") cutting units: 885 kg
CUTTING UNIT CONFIGURATION	Fixed position cutting units.	Operator-controlled moveable cutting units travel ± 30 cm (12") left or right from centre; total of 61 cm (24") of infinite variability.
CUTTING UNIT OFFSET	7.6 cm (3") in 183 cm (72") width of cut 25 cm (10") in 216 cm (85") width of cut	Maximum 38 cm (15") in 183 cm (72") width of cut. Maximum 56 cm (22") in 216 cm (85") width of cut.
CERTIFICATION	This product complies with the American National Standards Institute (ANSI B71-4–2017) and European Community specifications (CE Certified). EN ISO 5395.	
WARRANTY	Two-year warranty, refer to operator's manual for details.	

	69 cm (27") CUTTING UNITS (03189, 03190) / 81 cm (32") CUTTING UNITS (03191)
TYPE	Three hydraulically driven, balanced, 17.8 cm (7") diameter reels. Cutting units interchangeable to all three positions.
REEL BLADE OPTIONS	8 and 11-blade reels available for 69 cm (27") cutting unit. 8-blade reels available for 81 cm (32") cutting unit.
HOC RANGE	8-blade: 13–51 mm (0.5–2.0"), 11-blade: 6–19 mm (0.25–0.75") in floating position; 8-blade: 32–51 mm (1.25–2.0") in fixed position.
CUTTING WIDTH	183 cm (72") or 216 cm (85") 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.

*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.



TRACTION UNIT ACCESSORIES	
115-4754	myTurf® wireless hour meter assembly
30629	Premium seat
127-2796	Smooth tyre (front only)
120-7639	Smooth tyre (rear only)
03614	Golf ball guard
31696	LED light kit

TRACTION UNIT SUNSHADE	
30669	Universal sunshade—white
30671	Universal sunshade—red
30358	Bimini canvas sunshade
03248	Switch panel
03247	Operator cooling fan
138-2700	Worklights
138-2699	Beacon
138-2993	Wire harness
136-3315	Required wheel weight kit

CUTTING UNIT OPTIONS	
03189	69 cm (27") 8-blade DPA cutting unit
03190	69 cm (27") 11-blade DPA cutting unit
03191	81 cm (32") 8-blade DPA cutting unit
03203	69 cm (27") Verticutter cutting unit

69 cm (27") DPA CUTTING UNIT ACCESSORIES	
03240	Universal groomer
03778	69 cm (27") groomer cartridge
03242	69 cm (27") universal RRB kit
03243	Rear roller brush kit
132-7125	Broomer kit
03185	Grass basket kit
114-9368	Rear roller scraper kit
114-9372-03	Wihle roller scraper
114-9376	Comb/Scraper kit
119-0630	Shoulder roller ASM
114-9381-03	Shoulder roller scraper
137-6121	Full front roller
114-9386-03	Full front roller scraper
119-4286	Short rear roller ASM
140-5514	HD high HOC brush

81 CM (32") DPA CUTTING UNIT ACCESSORIES	
03246	Rear roller brush kit
133-0193	5-blade service reel
114-9369	Rear roller scraper kit
114-9373-03	Wihle roller scraper
114-9377	Comb/Scraper kit
140-5513	HD high HOC brush
137-6127	Full front roller
114-9387-03	Full front roller scraper
119-0640	Shoulder roller ASM
114-9382-03	Shoulder roller scraper
119-4288	Short rear roller ASM

BEDKNIFE OPTIONS	
147-1249	Standard 69 cm (27") (03189, 03190)
147-1250	Heavy-duty 69 cm (27") (03192)
147-1248	Extended low-cut 69 cm (27")
112-8910	EdgeMax 69 cm (27")
147-1253	Standard 81 cm (32") (03191)
147-1254	Heavy-duty 81 cm (32")
147-1252	Extended low-cut 81 cm (32")

CUTTING UNIT OPTIONS (69 cm (27") / 81 cm (32"))	
03244	End weight kit
119-0649	Trim/HD collar kit (6 per roller)
119-0635	RM3100 tipper roller kit
98-1852	Gauge bar
04399	Turf evaluator

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



toro.com

Worldwide Headquarters
The Toro Company
8111 Lyndale Ave. So.
Bloomington, MN 55420 U.S.A.
Phone: (1) 952 888 8801

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