

TORO**Count on it.**

Reelmaster® 3100-D with DPA Cutting Units

F E A T U R E S

DPA Cutting Units

- *Cast iron and cast aluminum cutting unit frames provide unmatched rigidity and consistency for less frequent adjustments*
- *Precise DPA adjustment simplify reel-to-reel consistency and setup*
- *EdgeMax® bedknives and austempered hardened reel blades provide longer edge retention and improved wear life*

Options Include:

- *68.6 cm and 81.3 cm (27" & 32") Cutting Unit widths*
- *5, 8, and 11 blade options*
- *Rear roller brushes for enhanced clipping dispersion.*
- *Grass baskets*

The Best Just Got Better!

Now the best triplex trim mower on the market just got better with the addition of the legendary DPA (Dual Precision Adjustment) cutting units. These proven cutting units deliver superior aftercut appearance, increased adjustment retention and longer wear life. Combine that with the unique features of the Reelmaster 3100-D with optional Sidewinder™ technology and you have a mower whose versatility and cutting quality is second to none.



Reelmaster® 3100 Specifications



	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 @ 2500 RPM. 1123 cm ³ (68.5 cu. in.) displacement. Pressurized lubrication system with 3.3 liter (3.5 U.S. qt.) 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 liters (7.5 gallons). 2008 models Biodiesel-Ready for use up to B-20 (20% biodiesel and 80% petrol 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 liter (6 gallon) hydraulic system capacity.	
GROUND SPEED	Mow: 0-10 km/h (0-6 mph); Transport: 0-14 km/h (0-9 mph). Reverse: 0-6 km/h (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 side-to-side on Sidewinder equipped models), cutting unit transport lock, reel speed and backlash 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 -18° C (0° F), 40 amps with regulator/rectifier. Traction pedal, operator presence in seat, PTO engage or disengage, and cutting unit mow or transport safety interlock switches.	
TIRES	Front: 20 x 10-12, 4-ply Turf Trac. Rear: 20 x 12-10	
FRAME	Formed steel, welded steel and steel tubing.	
BRAKES	Hydrostatic service brake, parking brake.	
STEERING	Power steering with tilt steering wheel.	
OVERALL DIMENSIONS	Track Width: 140 cm (55") Wheel Base: 142 cm (56") Overall Length: 248 cm (93")	Overall Height: 180 cm (71") with ROPS Transport Width: 203 cm (80") in 183 cm (72") woc 234 cm (92") in 216 cm (85") woc Approx. Weight with Cutting units: 844 kg (1860 lbs.)
SOUND LEVEL	At Operator Ear: 82 dBA	At 7.6 m (25'): 69 dBA At 15.2 m (50'): 64 dBA
SOUND PRESSURE LEVEL	96 dBA per ISO 11094 [uncertainty value (k) = 1 dBA]	
VIBRATION LEVEL	0.49 m/sec ² per EN 836	
CUTTING UNIT CONFIGURATION	Fixed position cutting units.	Operator controlled moveable cutting units travel ± 30 cm (12") left or right from center; 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 – 1999) and European Community specifications (CE Certified).	
WARRANTY	Two-year limited warranty, refer to operators manual for details.	

DPA CUTTING UNITS: 5 BLADE DPA 69 CM (27") 03180; 8 BLADE DPA 69 CM (27") 03181; 11 BLADE DPA 69 CM (27") 03183; 8 BLADE DPA 81 CM (32") 03182

TYPE	Three hydraulically driven, balanced, 17.8 cm (7") diameter reels. Cutting units interchangeable to all three positions.	
REEL BLADE OPTIONS	5, 8, and 11-blade reels available for 68.6 cm (27") cutting unit. 8 blade reels available for 81.3 cm (32") cutting unit.	
HOC RANGE	Height of cut ranges 9.5 - 44 mm (.375" to 1.75") standard in floating position, 13 - 67 mm (.5" to 2.625") in fixed position. Maximum 7.6 cm (3") height of cut (approximate) in floating position when configured with heavy duty Wiehle® roller and optional front roller brackets.	
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) bedknife to reel.	
ROLLERS	Full roller standard on rear of cutting unit. Front roller options: full, Wiehle, sectional, or anti-scalp (for fixed position cutting units).	

DPA CUTTING UNIT OPTIONS

VERTICUTTING REEL	03184	Verti-Cutting Reel 69 cm (27") (for DPA CU)	
BEDKNIVES	114-9388	69 cm (27") Standard Bedknife (Production)	114-9389 81 cm (32") Standard Bedknife (Production)
	112-8910	69 cm (27") EdgeMax™ Bedknife	112-8956 81 cm (32") EdgeMax™ Bedknife
	114-9390	69 cm (27") Heavy-Duty Bedknife	114-9391 81 cm (32") Heavy-Duty Bedknife
	119-0618	69 cm (27") Extended Low Height of Cut Bedknife	119-0619 81 cm (32") Extended Low Height of Cut Bedknife
	REAR ROLLER BRUSH	03186	RM3100 69 cm (27") Rear Roller Brush Kit
03187		RM3100 81 cm (32") Rear Roller Brush Kit	
BIMINI CANVAS	Model 30358		



Count on it.

Products depicted in this brochure are for demonstration purposes only. *Specifications and design subject to change without notice. The Reelmaster 3100-D is manufactured in Tomah, WI ISO 9002 Certified Plant. Actual products offered for sale may vary.

©2010 The Toro Company, 8111 Lyndale Ave. S., Bloomington, MN 55420-1196
GB Part No. 200-4430. Printed in U.S.A. www.toro.com