



# 144-INCH LAZER Z<sup>®</sup> DIESEL

PREMIUM DIESEL PERFORMANCE. MAXIMUM COMFORT & PRODUCTIVITY.

## FEATURES

### UltraCut™ Deck Technology

Rear Discharge with Flex Wings: 144

### Commercial-Grade Engines

Yanmar®

### Hydraulic Deck Lift

Provides for easy cutting height adjustment and quick transport

### Reduced Maintenance

With an efficient and robust powertrain system, these machines have less maintenance and longer service intervals. The tool-less belt access and removable floor pan makes servicing easy



### ON-BOARD INTELLIGENCE

The next-generation RED leverages the latest technologies to deliver increased machine efficiency, ease of use and durability. This technology provides users an increased ability to control mower power and efficiency with defined performance modes.



### ENHANCED OPERATOR COMFORT

Operator comfort is critical to productivity. That's why we've worked so hard to reduce noise and vibration, and placed the operator seat in full suspension on ISO mounts—so you can go for hours.

## TOP ACCESSORIES

- Flasher Light
- LED Light
- Slow-Moving Vehicle Sign
- Sun Shade

The commercial mowers more landscape pros trust.

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# 144-INCH LAZER Z DIESEL

MODEL	ENGINE	SIZE	DECK	WEIGHT	DIMENSIONS (W X L X H)
LZS86TDYM12RW0	Yanmar 3TNV86CT Diesel, RED Equipped	144"	UltraCut Rear Discharge w/ flex wings	3250 lbs.	144.9" x 101.3" x 72.6"



## POWER COMPONENTS

**Engine** – Yanmar 3TNV86CT, governed to 3,000 RPM.

**Air Filter** – Heavy-duty canister air filtration system with electronic vacuum sensor.

**Drive System** – Kanzaki KPS-18T Transmission, 14-quart oil capacity, spin-on filter. 18 cc shoe type pumps and 1.83/1.09 cubic inch 2 speed Danfoss axial piston motors plus Omni planetary gear reduction, hydraulic oil cooler.

**Speed** – Infinitely variable speed selection from 0–10 mph (16 kmph) in low speed forward, 0–6mph (10 kmph) reverse and 0–17 mph (27 kmph) in high speed forward, 0–10 mph (16 kmph) reverse.

**PTO Engagement** – Integrated wet clutch system in transmission, connected to right angle gearbox on deck via drive shaft.

**Fuel Capacity** – 12-gallon (45.4-L), side fuel tanks.

**Drive-Wheel Release** – Allows unit movement without engine running.

**Safety Package** – Operator Presence Controls (OPC) and drive system interlock, with safety interlock system indicators.

**Rollover Protection System (ROPS)** – 2-post foldable ROPS standard with seat belt and latch.

**Deck Lift** - Standard - Hydraulic.

**Casters** – 0.50" thick double-yoke, smooth tread caster wheel assembly with pre-installed bearing cups.

## DECK

**Style** – Full-floating UltraCut Rear Discharge Deck. Rear-discharge standard with option to mulch (finish cut baffles included).

**Widths Available** – 144" (366 cm).

**Deck Construction** – 7-gauge high strength alloy top that is formed and welded, with 7-gauge high strength alloy side skirt.

**Cutting Height** – 1.0" (2.5 cm) to 5.5" (11.8 cm) in 0.25" (0.64 cm) increments. Center deck is adjustable from operator's seat while deck wings need to be adjusted set separately.

**Blade Spindles** – No maintenance, sealed and non-greasable spindles; 7.75"-diameter cutter housing with 25mm (.98") diameter spindle shaft double row bearings, top and bottom, and splined blade driver.

**Blade-Tip Speed** – Approximately 18,500 fpm.

## EQUIPMENT

**Tractor Frame** – Welded, heavy-duty 1.5" x 3" x 3/16" tubular steel.

**Steering and Motion Control** – Hydraulically dampened twin levers, adjust fore and aft., also adjustable to 2 height positions. Adjustable dampeners (3 positions) to customize drive responsiveness.

**Front Caster Tires** – 15 x 6.0-6, smooth-tread, semi-pneumatic.

**Drive Tires** – 26 x 12-12, 6-ply Multi Trac®.

**Turning Radius** – True zero-turn.

**Parking Brake** – Spring applied, hydraulic release internal wet disc brake.

**Seat** – Deluxe, two-tone, bolstered 4" travel suspension seat with Elastomeric Vibration Control material. Mounted on innovative Seat Isolation System that provides operator isolation in all three planes of motion as well as fore-aft slide and seat flip-up.

**Electrical** – 12-volt battery with 175-amp alternator.

**Onboard Intelligence** – Equipped with Next-Generation RED technology.

**Standard Features** – 12-volt plug-in, engine hour meter and cup holder.

## ACCESSORIES & OPTIONS

Flasher Light, Jack, Jack Mount Receiver, LED Light, Slow-Moving Vehicle Sign and Sun Shade.

## WARRANTY

Limited Warranty: 5-Year or 1,500 Hours (with No Hour Limit First 2 Years). Engine: 3 Year or 2,000 Hours (with No Hour Limit First 2 Years).



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<sup>1</sup> Many manufacturers use 100% efficiency ratings for sale purposes. Exmark believes an 80% efficiency rating is more representative of actual mowing conditions, as it allows for turns and overlapping. Formulas for calculating acres per hour: 100% efficiency: MPH x width of cut = 99 = acres per hour | 80% efficiency: MPH x width of cut = 124 = acres per hour.

<sup>2</sup> For complete details, visit [exmark.com](http://exmark.com) or your local dealer.

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