

# LAZER Z<sup>®</sup>

DIESEL

**PREMIUM DIESEL PERFORMANCE.  
MAXIMUM COMFORT AND PRODUCTIVITY.  
LEGENDARY DURABILITY.**



For a variety of reasons, the redesigned diesel-powered Lazer Z<sup>®</sup> mowers may be the right choice for your cutting needs. They make quick work of the largest, toughest jobs and raise the bar for cut quality, operator comfort, fuel efficiency and ease of handling. The robust engine power and large deck sizes make these mowers Exmark's most productive diesel machines ever. They are a great solution for universities, municipalities and other sizeable properties.

**FEATURES:**

- Equipped with Yanmar<sup>®</sup> 3TNV80FT 1.3 Liter Turbo.
- 60-inch and 72-inch UltraCut<sup>™</sup> Side Discharge deck or 72-inch UltraCut Rear Discharge deck.
- Kanzaki KPS-18T transmission and twin Hydro-Gear<sup>®</sup> HGM-18 motors for precise and smooth controllability.
- Ground speeds up to 12.5 mph.
- Hydraulic deck lift.



**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.



**PROVEN DRIVE SYSTEM**

For precise and smooth controllability, the Lazer Z Diesel is equipped with a Kanzaki KPS-18T transmission and twin Hydro-Gear<sup>®</sup> HGM-18 motors. The transmission features a single spin-on oil filter, integrated wet PTO clutch and auxiliary pump for the standard hydraulic deck lift.



**HEAVY-DUTY FRAME**

With technology learned from the gas-powered Lazer Z family, the diesel models have a heavy-duty, front and rear frame. This fully reinforced tubular frame design is welded for maximum strength and durability.

The mowers landscape professionals trust 2 to 1.\*

[exmark.com](http://exmark.com)

\*Trusted 2-to-1 over the next best-selling brand of zero-turn mowers. Based on U.S. Data study by Wiese Research Associates Inc. Market Share and Additional Equipment Study (February 2016).



# LAZER Z<sup>®</sup>

## DIESEL

MODEL	ENGINE	SIZE	DECK	WEIGHT	DIMENSIONS (W X L X H)
LZS80TDYM604W0	Yanmar 3TNV80FT Diesel, RED Equipped	60"	UltraCut Side Discharge	1915 lbs.	72.8" x 96.4" x 71.8"
LZS80TDYM724W0	Yanmar 3TNV80FT Diesel, RED Equipped	72"	UltraCut Side Discharge	1930 lbs.	84.9" x 99.6" x 71.8"
LZS80TDYM72RW0	Yanmar 3TNV80FT Diesel, RED Equipped	72"	UltraCut Rear Discharge	2041 lbs.	78.2" x 100.6" x 71.8"



Side Discharge



Side Discharge

### POWER COMPONENTS

**Engine** – Yanmar 3TNV88C Diesel and 3TNV80FT, governed to 2,600 rpm.

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

**Drive System** – Kanzaki KPS-18T Transmission, 15-quart oil capacity, spin-on filter. 18cc shoe type pumps and 17.84 cubic inch Hydro-Gear HGM-18 motors, hydraulic oil cooler.

**Speed** – 1.3L has Infinitely variable speed selection from 0–11.0 mph (18 kmph) forward, 0–6 mph (10 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** – .050" thick double-yoke, smooth tread caster wheel assembly with pre-installed bearing cups.

### DECK

**Style** – Side-discharge models have UltraCut Series 4 cutting deck with option to bag or mulch. Rear-discharge models have UltraCut™ Rear Discharge cutting deck with option to mulch.

**Widths Available** – 60" (152 cm) and 72" (183 cm).

**Deck Construction** – Side-discharge has 10-gauge top that is formed and continuously seam welded, 7-gauge side skirt and 7-gauge reinforced spindle mounting locations for improved strength and reduced weight. Rear Discharge deck has 7-gauge high strength alloy top that is formed and continuously seam 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. Side and Rear Discharge models are adjustable from operator's seat.

**Blade Spindles** – No maintenance, sealed and non-greasable spindles; 7.75"-diameter cutter housing with 25mm (.98") diameter spindle shaft 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** – Lever-actuated internal wet disc brake.

**Seat** – Deluxe, two-tone, bolstered 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 55-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 Kit, Hitch Kit, Jack and Receiver, LED Light Kit, Rear Guard and Bumper Kit, Slow Moving Vehicle Sign, Sun Shade, Trash Container

**Side Discharge Only:** Mulch Kit, Operator Controlled Discharge, Turf Striping Kit and UltraVac Collection Systems

**Rear Discharge Only:** Finish Cut Baffles, Anti-Scalp & Side Wear Bar Kit and White Non-Marking Side Bumper

### WARRANTY

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



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