

Residential series

Product Family

The Residential ZTR series is currently comprised of two platform products. Within each of these we provide several options to meet customization needs. For more details, contact the Tuff Torq sales team at (866) 572-3441.



TZ-300/350

The TZ-300 and TZ-350 zero-turn transaxle is our newest line of high-performance and maintenance-free zero-turn units. These powerful IHT (Integrated Hydrostatic Transaxle) units are packed with premium features at a very competitive price point. **Best for entry-level residential zero-turn vehicles.**



TZ-400/450

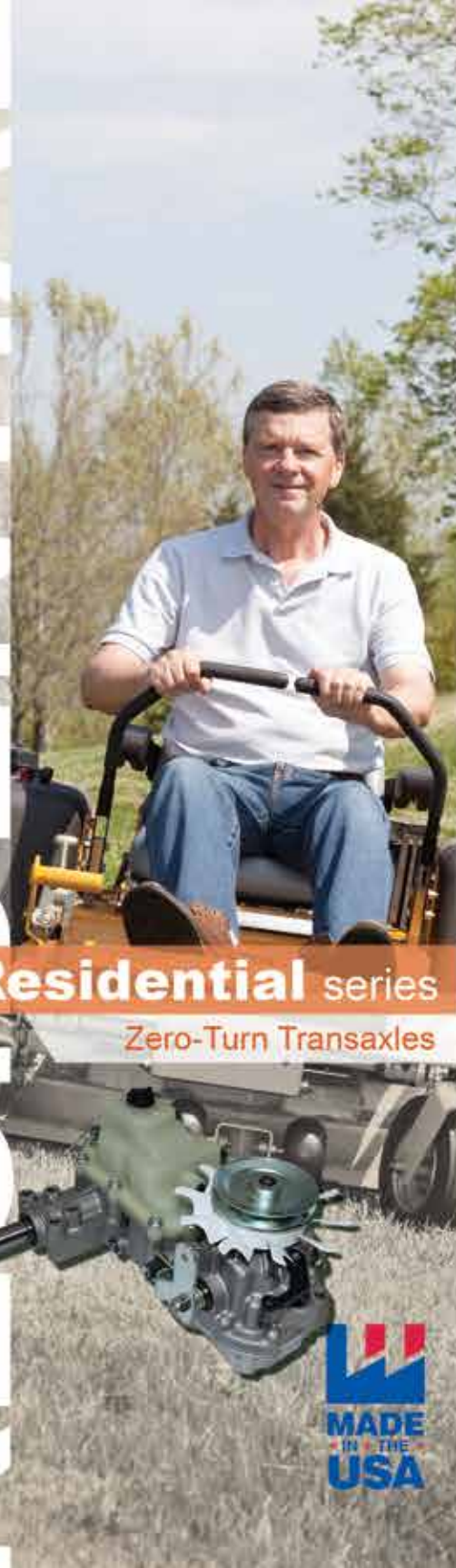
The TZ-400 and TZ-450 is the big brother to the standard TZ-300 unit. It has all the features of the TZ-300 with better torque, tire size support and weight handling. The TZ-400 also boasts added options to make this unit more flexible for new applications and premium features. **Best for professional-grade residential and "prosumer" zero-turn vehicles.**



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RESIDENTIAL



Residential series
Zero-Turn Transaxles

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by **TUFF TORQ**

The Residential series is an all-new platform design from Tuff Torq. This zero-turn Integrated Hydrostatic Transaxle (IHT) line takes full advantage of years of engineering and manufacturing expertise from one of the largest IHT manufacturers in the world. Designed to meet the needs of the residential zero-turn market with a unique set of features, the Residential series is positioned to be a game-changer.

Key Features:

- Heavy steel axles for added strength and control.
- Wet disk internal braking system option for reliable stopping power with no maintenance.
- Integrated fluid reservoir for easy access and maintenance.
- Robust aluminum case for professional-grade durability and dependable performance.
- Sleek design for low-profile installation and improved vehicle clearance.

The Residential series can be manufactured with many customization options. Take a look at the information in this brochure and contact our sales team with any unique needs you may have.



Residential ZTR Series

Bringing **PROFESSIONAL** features to the residential market.

Residential ZTR Series transaxles are the latest product platform developed by Tuff Torq for the residential zero-turn market. These transaxles are the product of years of research and collaboration with our OEM partners. The Residential ZTR transaxle is the next generation in zero-turn IHTs. To get more information or to customize a Residential ZTR unit for your next project, contact our sales team.



KEY FEATURES

Customizable

Tuff Torq has designed the Residential ZTR Series to be flexible. There are many different options for fans, pulleys, wheel hubs, return to neutral and control logic.

Polymer Fluid Tank

All Residential ZTR Series transaxles include an integrated polymer fluid reservoir design. Using polymer materials for the integrated fluid tank/gear housing saves weight, lowers production costs and provides greater flexibility for application mounts.

Heavy-Duty Axles

Strong and durable carbon alloy axles.

Aluminum Case

The Residential ZTR series offers cast aluminum main cases for strength and thermal efficiency. These cases are designed to provide professional-grade durability and strength for the residential market.

Integrated Wet Disc Brake*

Reliable and maintenance-free wet disc brake assemblies are built into each unit.

Flexible Controls

Customizable control logic that can be engineered to your specific application needs.

Maintenance-free Design

The Residential ZTR series is designed to be a maintenance-free sealed transaxle. These units are tested and engineered to provide years of trouble-free operation.

* Wet disc brake is an option. Some units may use pawl-style brake system.



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Key Model Specifications

TZ-300/350

The information below is a representative "standard" specification. There are many customizable options available that will affect your unit's final specification.

Vehicle Speed (Max.): 5 - 8 MPH

Tire Size (Max.): 18 - 20 in.

Max. Vehicle Weight: TBD lbs. (TBD kg)
w/ attachment and operator

Pump/Motor Displacement: 10 cc/10 cc

Rated Axle Torque: 161 Nm (119 ft./lbs.)

Gear Material: Powder Metal or Steel

Charge Pump: Not available

TZ-400/450

The information below is a representative "standard" specification. There are many customizable options available that will affect your unit's final specification.

Vehicle Speed (Max.): 5 - 12 MPH

Tire Size (Max.): 22-23 in.

Max. Vehicle Weight: TBD lbs. (TBD kg)
w/ attachment and operator

Pump/Motor Displacement: 10 cc/10 cc

Rated Axle Torque: 182 Nm (134 ft./lbs.)

Gear Material: Powder Metal or Steel

Charge Pump: Yes