

**NEW**  
Model for 2011



## ZST Series

ZERO TURN MOWERS

RESIDENTIAL  
SERIES



[Return to Zero Turn Mower Selection](#)

- Available in 40" and 48" Widths
- 1" to 4.5" Cutting Height
- Square tubing welded frame design
- Floating deck design
- Foot Operated Deck Height
- Adjustable Steering Levers
- Mid-Mount Deck Design
- Lever Activated Park Brake

## Features and Benefits

### Zero Turn Mowers

#### ZST40 & ZST48 Models

Features	Benefits
40" & 48" Cutting widths	Sized right and priced right for residential owners.
1" to 4 1/2" Cutting height	Provides a good range of cutting heights in 1/2" increments for any type of turf grass.
Narrow drive tire stance	Provides good maneuverability. Allows for tight turns, yet gives a very stable platform over uneven ground.
High ground speed	Can mow a lot of grass in a short time. 6 MPH forward and 4 MPH reverse
Adjustable steering levers with comfort grip handles	Wide range of adjustments to accommodate almost any size of operator. Grips are designed for operator comfort and sustained productivity.
Frame design	Square tubing welded for increased durability.
Single welded 11 gauge deck with reinforced leading edge	Makes a stronger deck and reduces unwanted flex.
Rapid deck height adjustment	The foot operated deck lift and deck stop pin locator makes for a quick and easy precise cutting height adjustments.
Easy clean-out deck top	Deck allows air & debris to move across its top for improved belt cooling and easy clean out.
Mid-mount deck design	Puts deck closer to operator's line of sight for more efficient and precise operation.
Floating deck design	Provides good flotation over uneven terrain.
Anti-scalp roller(s)	Keeps scalping to a minimum.
Hydro-Gear Zero-Turn Transaxle drive unit on each rear wheel	Each rear wheel has an integrated hydrostatic transaxle containing a pump with fan for cooling and drive motor. These units are self contained and maintenance free.
4-Bolt, 18 x 7.5 - 8 rear turf tread tires	Offers excellent ground flotation and gentle on turf grasses.
11 x 4-5 front ribbed tires mounted in heavy duty pivoting caster forks	Provide for a quick and durable turning response.
Electric clutch control	Provides an easy smooth engagement of the mower blade drive system.
Single Kevlar drive belts	Drive belts made with Kevlar™ fiber provide long belt life. One hydrostatic pump drive belt and one deck drive belt is easier to maintain and not as expensive as multiple belt designs.
1 3/8" blade spindles mounted in ductile iron housings	Blade spindles and spindle housings are designed to handle heavy shock loads.
Accessible blade spindle zerks	Makes greasing the blade spindles easy.
Heavy duty heat treated Fusion® medium lift blades	Made from highest quality 1/4" thick fusion treated steel for high wear and increase blade life.
High blade tip speed	Provides a clean quality cut. (18,300 fpm and higher)
Choice of engines	Proven Kawasaki or premium Briggs Intek Series engines meets customer preferences with power and performance to spare.
Electric start with choke control	Keyed ignition and manual choke control are placed for one-handed starting convenience.
Engine oriented for easy access	Oil dipstick, oil drain ports, air filter, oil filter, spark plugs, choke and throttle can be serviced from the rear verses the side.
Center mounted rear engine	Provides maximum mower stability, easy service access, increased leg room, and increased air flow around engine fins to extend engine life.
Internal air filter cartridge	Easy to access.
Isolated exhaust muffler Kawasaki Briggs & Stratton	Muffler is hidden and tucked down under to reduce noise and provide protection against burns. Muffler is mounted to the engine and guarded to provide protection against burns.
Ergonomically designed control console	Instrumentation and console controls are positioned for easy visual and fingertip access.

*Designs, specifications, features and information are subject to change without notice.*

## Features and Benefits

### Zero Turn Mowers

#### ZST40 & ZST48 Models

<b>Hour meter</b>	Measure actual engine run time to monitor service intervals.
<b>Sleek styling three gallon fuel tank with an extra large fuel cap.</b>	3 Gallon fuel capacity for plenty of operating range and decreased down time. Extra large fuel openings for easy fueling. Fuel caps are center mounted to protect caps from damage and prevent overflow spills on inclines.
<b>Molded-in cup holder</b>	Tank is molded with a cup holder that fits a wide variety of cups and is in easy access to the driver.
<b>Lever activated park brake</b>	A manually activated over-center park brake lever located next to the operator's left side for easy activation and release of a spring applied pawl over cog brake in the transaxle. Mower will not move until brake is released.
<b>Hinged seat platform</b>	Provides easy service access to the compartment below the seat and is spring mounted for a smoother ride. Requires removal of only one bolt for quick access to components below.
<b>Seat safety interlocks</b>	Rising off of the seat with blades engaged will cut engine power and stop blade rotation. Engine cannot be started with blade engagement switch in "on" position.
<b>Bolted on floor platform</b>	Provides service access to topside deck components. Requires removal of only 4 bolts for quick access.
<b>EPA Compliant Mowers</b>	
<b>EPA approved 3 gallon fuel tank with sight gauge, vent valve and extra large tethered fuel cap.</b>	3 Gallon fuel capacity for plenty of operating range and decreased down time. Extra large fuel openings for easy fueling. EPA vent valve helps stop fuel leaks in rollover accidents and sight gauge makes it easy to see low fuel level in tanks. Fuel cap is EPA approved, non vented, placed inboard and center mounted to protect the cap from damage and prevent overflow spills on inclines.
<b>Fuel tanks are vented to the engine carburetor</b>	Engine burns fuel vapors instead of vapors leaking into the atmosphere.

*Designs, specifications, features and information are subject to change without notice.*

**Zero Turn Mowers**

**ZST40 & ZST48 Models  
Engine Specifications**

Engine Manufacture	Kawasaki		Briggs & Stratton	
Mower Model No	ZST40	ZST48	ZST40	ZST48
Horsepower	15	18	17.5	21
Engine Model Type	FR541V	FR600V	N/A	N/A
Charging System	12-volt, 15 amps		12-volt, 9 amps	
Starter	12-volt Electric Starter			
Ignition	Keyed 12 volt electronic system			
Governor	Mechanical			
Fuel Type	Unleaded gasoline with octane rating of 87 or higher			
Oil Cooling	without			
Engine Cooling	Forced air cooled, Fly-wheel fan			
Engine Type	4-stroke OHV, V-twin cylinder, gasoline		4-stroke OHV, single cylinder, gasoline	
Number of Cylinders	2		1	
Displacement	603cc	603cc	501cc	540cc
Compression Ratio	8.1:1	8.1:1	N/A	N/A
Spark Plug No.	BPR4ES (NGK)		N/A	
Oil Capacity with Filter Change	1.8 US quarts (1.7L)		1.5 US qts. (1.4L)	
Oil Type	SAE 10W-30			
Oil Filter Part No.	831-073C		831-091C	831-053C
Fuel Filter Part No.	831-031C		831-031C	
Air Filter Part No.	831-092C		831-093C	831-094C
Pre Filter Part No.	N/A		831-095C	831-096C

**Hydrostatic Transaxle Specifications**

Mower Model No	ZST40 & ZST48
Transaxle Model Nos.	ZT-2200™
Gear Type	Powdered Metal Gears
Number of Wheel Lugs	4
Traction Drive Type	Dual Hydrostatic Transmission
Hydraulic Motor/Pumps	Two variable displacement, axial piston type.
Hydraulic Motor/Pump Drive	V-belt drive from engine crankshaft
Hydraulic Oil Type	SAE 20W-50 engine oil
Hydraulic Oil Capacity - Per Side	53.3 fl. oz. to fill transaxle

**General Specifications**

Mower Model No	ZST40	ZST48
Machine Weight		
With Kawasaki Engine	595 lbs	610 lbs.
With Briggs & Stratton Engine	580lbs	600 lbs.
Width of Cut	40"	48"
Cutting Height	1" to 4 1/2" In 1/2" increments	
Trim Capacity (left side)	1 1/2"	5 1/2"
Overall width      Chute down	52 1/2"	65 1/2"

*Designs, specifications, features and information are subject to change without notice.*

**Zero Turn Mowers**

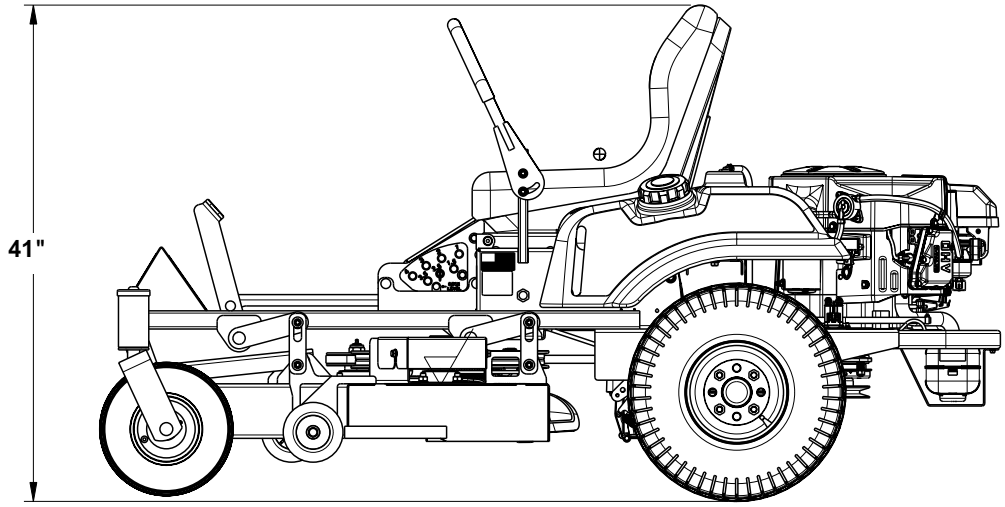
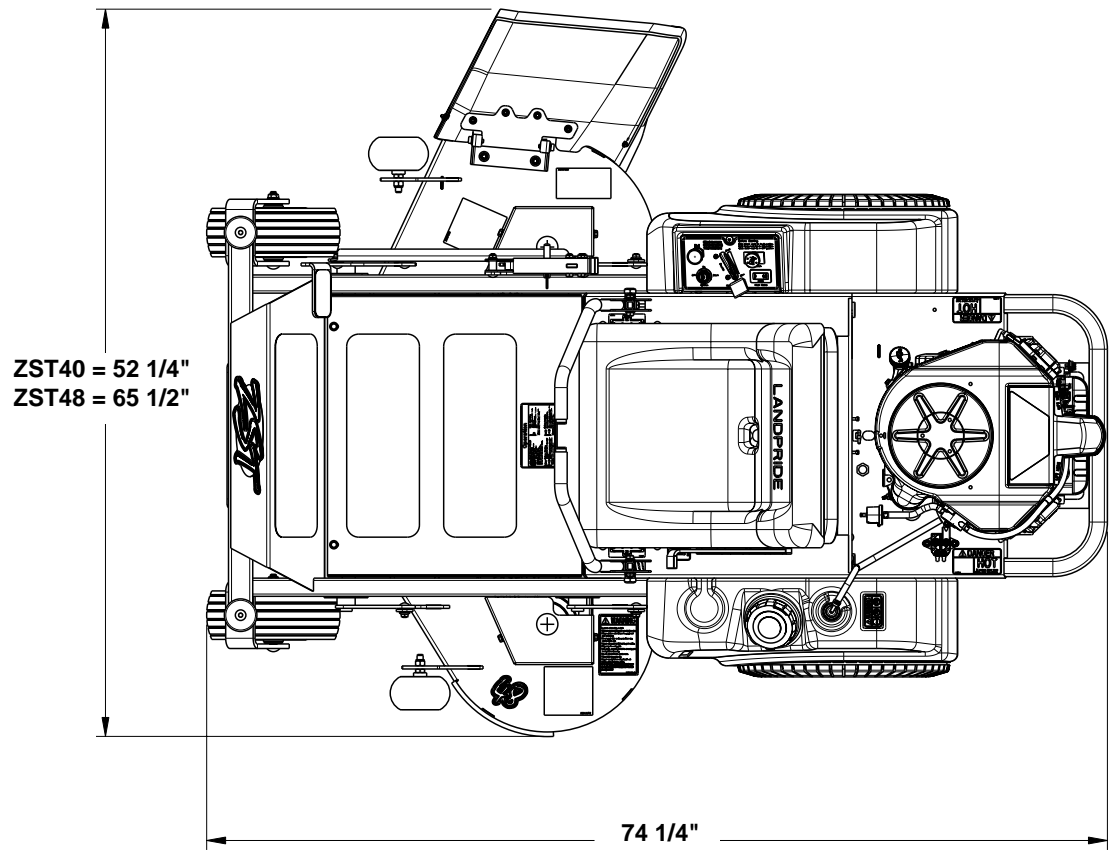
**General Specifications**

Mower Model No	ZST40	ZST48
Overall Length	74 1/4"	
Tire-to-tire width:	38"	
Overall Height	41"	
Drive Tires	4-bolt, 18 x 7.5 - 8 Turf Tread	
Front Tires	11 x 4 - 5, Ribbed tread with roller bearings	
Hour Meter	Standard equipment	
Fuel Capacities	3 US GAL	
Steering Type	Hydrostatic Twin lever steering provides independent control of each drive wheel.	
Twin Lever Steering Controls	Speed, forward, reverse, brake, and turns.	
Steering Turning Radius	True zero degree. Turns with counter-rotating independent drive wheels.	
Brake Service	Hydrostatic dynamic braking.	
Park Brake Type	Manual activated over-center lever to pawl over cog wheel.	
Ground Speed	Forward: 0-6 MPH & Reverse: 0-4 MPH	
Motor Drive	Single V-belt with spring take-up idler pulley and electric clutch at engine crankshaft.	
Wheel Drive	Dual integrated hydrostatic transaxle.	
Electrical Operated Logic-Control Safety Features	Electric logic-control system governs blade engagement, forward & reverse motion, engine starting & running, and parking brake functions.	
Evaporative Emission Control System on EPA Compliant Mowers	This equipment uses a sealed fuel system which incorporates a non-vented fuel cap. Evaporative emissions are vented to the engine where they are combusted during normal engine operation.	
Seat	Standard black seat	
Mainframe Construction	Welded steel square tubing	
Front Caster Wheels	Free turning with sealed for life ball bearings.	
Front Caster Fork Construction	3/8" steel.	
Deck Thickness	11 Gauge decks with 11 gauge doubler plate at blade spindle housing mounts	
Reinforced Front Edge	Solid 1" x 3/8" steel bar is incorporated into the deck front to reinforce its front edge. Deck front is bent 90° at the bottom to reinforce its front edge.	
Deck Trim Edges	Solid 1" x 3/8" steel bar for reinforced trim edge.	
Deck Housing Depth	4 3/8" deep, (room for high-capacity mowing)	
Deck Lift	Foot-operated deck height adjustment with deck stop pin for setting height.	
Hand Operated Controls	Ignition switch, throttle lever, control levers, park brake, blade engagement switch and choke knob.	
Indicators	Engine warning light and hour meter for engine run time.	
Cup Holder	One cup holder molded into the left side fender.	
Cutting Height Adjustments	Height adjustment in 1/2" increments from 1" to 4 1/2".	
Mowing Blades	Heavy-duty, heat-treated, medium-lift steel blades	
	(2 ea.) .25" x 2 1/2" x 20.9"	(3 ea.) .25" x 2 1/2" x 16 7/8"
Blade Tip Speed	18,300 FPM	18,700 FPM
Blade Drive	Single B-Section belt drive to all blade spindles with spring loaded take-up idler pulley.	
Blade Spindles	Machined ductile iron housing, 1 3/8" diameter high carbon steel shafts and greasable ball bearings.	
Deck Suspension	Four point suspension from frame by mechanical linkage.	
Number of Anti-Scalp Rollers	1	2

*Designs, specifications, features and information are subject to change without notice.*

# Specifications & Capacities

## Zero Turn Mowers



33192

*Designs, specifications, features and information are subject to change without notice.*