



ZSR Serie

ZSR RAZOR

54" 60"

OUTSTANDING FEATURES

The ZSR is a 'super' Razor for those small acreage homeowners who want just a little more! The ZSR offers a wider deck choice, larger rear tires, a floating front axle and 'commercial' quality gears in the wheel motors.

With a ZSR you can feel like the big boys; a Zero Turn with features and value right up there with those who mow for a living. Give your yard the respect it deserves, and you'll love the simplicity of achieving outstanding results!

Floating Front Axle

The Floating Front Axle is a great feature for rolling and undulating terrain. While in the float position, typically all four wheels will be in contact with the ground, giving you a smoother, more comfortable ride. In the rigid position, the axle allows you to hang the left deck side over the curb for a clean cut.

Large Rear Tires

The 20" Rear Tires have a turf friendly tread, with a 10" width that spreads the footprint out, as well as helps hold the mower on sloping terrain. Making a 'zero turn' on turf is less damaging with our rounded edge, and gentle turf pattern.

4 YEAR
Limited
Warranty



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Spacious Foot Pan

The unobstructed foot pan allows for easy stepping on and off the mower, as well as plenty of room to 'maneuver' your feet for comfortable positioning.

Large Fuel Tanks

With our twin gas tanks, holding up to 12 US gallons, you can fill the tanks enough to finish your work for the day. No need to take a gas can with you, or make time to come home to fill up.

Adjustable Steering Levers

Steering levers are designed with a wide range of adjustments to accommodate almost any size of operator. Comfort grip handles are designed for operator comfort and sustained productivity.

New Deck Design

A front box section serves the front edge of the deck with unsurpassed strength, as well as a clean, sleek appearance.

Rapid Deck Height Adjustment

The foot operated spring assist deck lift and deck stop locator makes for quick and easy precise cutting height adjustments.



Front edge of deck is reinforced with a heavy underside box section.

ZSR Series

Cutting Width	54" or 60"
Cutting Height	1.5" - 4.5" in 1/4" increments
Engine	24 HP & 26 HP Kawasaki or 26 HP Briggs & Stratton
Deck Thickness	10 Gauge Decks w/11 ga. Doubler Plate & 3/16" reinforcement plate connecting spindle housing mounts
Steering	Twin Lever
Anti-Scalp Rollers	4
Blades	Heat Treated, High Lift, Fusion Technology
Pivoting Front Axle	Locked or Unlocked
Blade Belt	Single V-Belt
Blade Spindles	1 3/8" Spindle, Cast Iron Housing, Greaseable Ball Bearings
Tires	Front: 13 x 5 - 6, Rib Tread; Rear: 20 x 10 - 10, Turf Tread
Fuel Capacity	12 U.S. Gallons
Cooling	Air Cooled
Pump Drive	V-Belt from Engine Crankshaft
Parking Brake	Manually Activated, Pawl Over Cog Wheel
Ground Speed	Forward 0-7.2 mph; Reverse 0-4.5 mph
Seat	Deluxe Cushion Seat w/Springs, Armrests

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ZSR RAZOR

54" 60"
[continued]



Mid-mount Deck Design
Mid-mount design puts the deck closer to operator's line of sight for more efficient and precise operation.

Narrow Drive Tire Stance
Narrow stance provides good maneuverability and allows for tight turns in corners, yet gives a very stable platform for the operator over uneven ground. Floating deck design provides excellent flotation over uneven terrain.

Dual stage Donaldson™ air filter keeps engine clean even in extreme dusty conditions.



* 4 Year Warranty

- ★ Overall Unit - 4 years
- ★ Engine - 2 years
- ★ Mower Deck - Lifetime on front edge
- ★ Frame - Lifetime against breakage
- ★ Blade Spindle - 3 years
- ★ Gauge Wheel Yoke Bearings - 3 years

Heavy Duty High Lift Blades
Blades are made from highest quality .25" thick heat treated steel for high wear and increased blade life. The Fusion treated cutting edge maintains its cutting ability longer than standard blades. High lift design stands grass up before cutting.

Blade Spindles
1" Blade spindles are mounted in ductile iron housings and are designed to handle heavy shock loads.

Electric Clutch
Provides a smooth engagement of the mower blade drive system.



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SUPERIOR CONSTRUCTION

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 is not as expensive as multiple belt designs.

Hydrostatic Transaxle
Each rear wheel has an integrated hydrostatic transaxle containing a pump with a fan for cooling and a drive motor. These units are self contained and maintenance free except for changing hydraulic oil and filters.

Choice of Engines
Proven Kawasaki or premium Briggs & Stratton Intek Series engines meet customer preferences with power and performance to spare.

Lever Activated Park Brake
A manually activated over-center park brake lever is located next to the operator's left side for easy activation. The mower will not move until brake is released.

Comfortable Adjustable Seat
Deluxe cushion seat features suspension springs, molded back, adjustable arm rests and adjustable seat positioning for operator comfort and sustained productivity.

**HORSE
24&26
POWER**



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ZSR Razor® Residential Series



Cutting Width: 54" or 60"
 Cutting Height: 1½" to 4.5" in ¼" increments
 Pivoting Front Axle: Locked or Unlocked
 Trim Capacity: 54: 3", 60: 6"
 Length: 78 ¼"
 Overall Width with Discharge Chute Down:
 54: 67"; 60: 73 ¾"
 Tire to Tire Width: 48"
 Deck Thickness: 10 Gauge with 11 ga. Doubler Plate
 Steering: Twin Lever
 Anti-Scalp Rollers: 4
 Blades: Heat Treated, High Lift, Fusion® edge
 Blade Tip Speed: 54: 18,515 fpm; 60: 18,700 fpm
 Blade Belt: Single V-Belt
 Blade Spindles: 1⅜" Cast Iron Housing,
 Greaseable Ball Bearings
 Front Tires: 13x5-6, Rib Tread
 Rear Drive Tires: 20x10-10, Turf Tread
 Engine: Cylinders: 2
 Cooling: Air Cooled
 Ignition: Electronic
 Hourmeter
 Fuel: Unleaded Gasoline
 Fuel Capacity: 12 U.S. Gallons
 Drive System: Dual Hydrostatic
 Drive: V-Belt from Engine Crankshaft
 Parking Brake: Manually Activated
 Ground Speed: Forward 0-7 mph; Reverse 0-4.5 mph
 Seat: Deluxe Cushion Seat with Armrests
 Cup Holders: 2
 Certified Folding ROPS
 Seat Belt

ALL MOWERS ARE **RED IN COLOR**

MODEL NUMBER	DESCRIPTION	APPROX. MACHINE WEIGHT	SHIPPING WEIGHT
ZSR54-022491	ZSR RAZOR SERIES, 54" Deck 24 HP Kawasaki Engine, Deluxe Seat, Folding ROPS	947#	1,267#
ZSR54-022591	ZSR RAZOR SERIES, 54" Deck 26 HP Kawasaki Engine w/Remote Air Filter, Deluxe Seat, Folding ROPS	947#	1,267#
ZSR54-022691	ZSR RAZOR SERIES, 54" Deck <u>26 HP Briggs & Stratton Engine</u> , Deluxe Seat, Folding ROPS	947#	1,267#
ZSR60-022491	ZSR RAZOR SERIES, 60" Deck 24 HP Kawasaki Engine, Deluxe Seat, Folding ROPS	972#	1,292#
ZSR60-022591	ZSR RAZOR SERIES, 60" Deck 26 HP Kawasaki Engine w/Remote Air Filter, Deluxe Seat, Folding ROPS	972#	1,292#
ZSR60-022691	ZSR RAZOR SERIES, 60" Deck <u>26 HP Briggs & Stratton Engine</u> , Deluxe Seat, Folding ROPS	972#	1,292#

*MULCHING & BAFFLE KIT

357-361A	54" Baffle Kit
890-934A	54" Mulching Blade - each
357-358A	60" Baffle Kit
890-702C	60" Mulching Blade - each

*Parts Discounts only, order from our Parts Dept.



Engine Specifications

Engine Manufacture	Kawasaki			Briggs & Stratton	
Mower Model No	Z48	Z54, ZSR54, ZSR60	ZSR54, ZSR60	Z48	Z54, ZSR54, ZSR60
Horsepower	20	24	26	22	26
Engine Model Type	FS600V	FS691V	FX730V	44K777	44P777
Max Torque @ 2400 rpms	35.5 ft. lbs. (48.1 N.m)	40.9 ft. lbs (55.4 N.m)	42.1 ft. lbs. (57.1 N.m)	N/A	N/A
Charging System	12-volt, 15 amps			12-volt, 16 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				
Number of Cylinders	2				
Displacement	36.8 cu. in. (603cc)	44.3 cu. in. (726cc)	44.3 cu. in. (726cc)	44.2 cu. in. (725cc)	44.2 cu. in. (725cc)
Compression Ratio	8.1:1	8.2:1	8.2:1	N/A	N/A
Spark Plug No.	BPR4ES (NGK)				
Oil Capacity with Filter Change	2 US quarts (1.9L)				
Oil Type	SAE 10W-30				
Oil Filter Part No.	831-073C			831-053C	
Fuel Filter Part No.	831-031C			831-035C	
Air Filter Part No	831-074C	Outer 831-075C Inner 831-076C		831-054C	

Hydrostatic Transaxle Specifications

Mower Model No	Z48 & Z54	ZSR54 & ZSR60
Transaxle Model Nos.	ZT-2800™	ZT-3100™
Gear Type	Powdered Metal Gears	Cut Steel Gears
Number of Wheel Lugs	4	5
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	Total = 78 to 80 fl. oz. to fill transaxle and expansion tank to cold fill line (75.7 fl. oz. to fill transaxle to top port plug + 4.3 fl.oz. to cold fill line in expansion tank)	
Hydraulic Oil Filter No.	831-060C	

General Specifications

Mower Model No	Z48	Z54	ZSR54	ZSR60
Weight with deluxe seat	835 lbs	860 lbs.	890 lbs	915 lbs.
Width of Cut	48"	54"	54"	60"
Cutting Height	1 1/2" to 4 1/2" In 1/4" increments			

Specifications to continue on next page.

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Section 6: Specifications & Capacities



General Specifications

Mower Model No	Z48	Z54	ZSR54	ZSR60
Trim Capacity (left side)	2 1/2"	5 1/2"	3"	6"
Overall width Chute down	62"	67 1/4"		73 3/4"
Overall Length	71 1/2"		78 1/4" with hitch plate	
Tire-to-tire width:	43"		48"	
Overall Height Top of folded ROPS	52 1/2"		53 1/2"	
Top of unfolded ROPS	67 1/2"		68 1/2"	
Certified ROPS	Standard		Standard	
Drive Tires	4-bolt, 18 x 8.5 - 8 Turf Tread		5-bolt, 20 x 10 -10 Turf Tread	
Front Tires	11 x 4 - 5, Ribbed tread with roller bearings		13 x 5 - 6, Ribbed tread with roller bearings	
Hour Meter	Standard equipment			
Fuel Capacities	12 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: 0-6.5 MPH Reverse: 0-4.5 MPH		Forward: 0-7.2 MPH Reverse: 0-4.5 MPH	
Motor Drive	Single V-belt with electric clutch and manual take-up idler pulley.			
Wheel Drive	High torque piston type planetary reduction motors			
Safety Features	Electric logic-control system governs blade engagement, forward & reverse motion, engine starting & running, and parking brake functions.			
Seat	Deluxe cushion seat with arm rests.			
Mainframe Construction	Welded steel			
Front Caster Wheels	Free turning with greasable roller bearings.			
Front Caster Fork Construction	3/8" steel.		5/16" steel.	
Deck Thickness	10 Gauge decks with 11 gauge doubler plate and 3/16" reinforcement plate connecting spindle housing mounts			
Box-Section Reinforced Front Edge	10 ga. thick			
Deck Trim Edges	Solid 1" x 3/8" steel bar for reinforced trim edge & doubled plated 10 Gauge front edge.			
Deck Housing Depth	5 3/16" deep, (room for high-capacity mowing)			
Deck Lift	Foot-operated deck height adjustment with locking pin for setting height.			
Hand Operated Controls	Ignition switch, throttle lever, control levers, park brake, blade engagement switch, choke knob and Fuel Tank Selector Valve.			
Indicators	Engine warning light and hour meter for engine run time.			
Cup Holder	Two cup holders molded into the left side fuel tank. Accommodates nearly any cup size.			
Cutting Height Adjustments	Height adjustment in 1/4" increments from 1" to 5".			
Mowing Blades	3 Heavy-duty, heat-treated, high-lift steel blades			
	.25" x 2 1/2" x 16.8"	.25" x 2 1/2" x 18.8"		.25" x 2 1/2" x 20.9"
Blade Tip Speed	18,300 FPM	18,515 FPM		18,700 FPM
Blade Drive	Single B-Section belt drive to all three spindles. 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 with counter balance springs.			
Anti-Scalp Rollers	4 Anti-scalp rollers to improve flotation in rolling and uneven terrain.			