



# R311T™

## Large Area Rotary Mower



The R311T™ rotary mower has the powerful cutting performance, simplified maintenance and operator comfort you need to get the job done. Ideal for golf roughs, sports fields, parks and roadside areas.

- **Proven and powerful** 59 hp (44 kW) or 65.2 hp (48.6 kW) turbocharged Kubota® diesel delivers exceptional mowing power to effortlessly slice through the tallest, thickest grass.
- **Independent deck control** allows mowing with 1, 2 or all 3 decks to trim around obstacles, varying terrain and wide spans of turf.
- **Individual hydraulic deck motors** with self-lubricating integral bearings deliver reliable cutting power to each blade and require no tensioning or greasing maintenance of belts and pulleys.
- **Maintenance free, wet parking brakes** deliver safe braking on even the steepest of slopes and reduce total cost of ownership with no linkages or pads to service or adjust.
- **Air-ride suspension seat, ergonomic cockpit** cruise control and an optional climate controlled cab provide a comfortable, productive ride for long hours of operation.

### QUICK SPECS

**Engine:** Kubota® turbocharged diesel

**Cutting Deck:**

Front Deck: 64 in. (1.62 m), full-floating

Wing Decks: 42 in. (1.07 m), full-floating

**Height-of-Cut:** 1 - 5.5 in. (2.54 - 14 cm) in 0.5 in. (1.27 cm) increments

**Width-of-Cut:** 134 in. (3.4 m)

**Dimensions:**

Weight: 4080 lbs. (1851 kg); 4150 lbs. (1882 kg)

Length: 144 in. (3.66 m)

Height:

ROPS Up: 84 in. (2.13 m)

ROPS Down: 63.5 in. (1.61 m)

Width:

Mow: 139 in. (3.53 m)

Transport: 93.5 in. (2.38 m)

# R311T™

## SPECIFICATIONS

Engine	069177	069178
Type	Kubota® V2403-M-T 4-cyl, turbocharged, liquid-cooled diesel	Kubota® V2403-CR-T-E4B 4-cyl, turbocharged, liquid-cooled diesel
Rated Horsepower*	59.0 hp (44.0 kW)	65.2 hp (48.6 kW)
Emission Level	EPA Tier 4 Interim (EU Stage IIIA)	EPA Tier 4 Final (EU Stage IIIB); Ultra low sulfur diesel fuel required
Peak Torque	120.7 lbs.-ft (163.6 NM) @ 1800 rpm	146.4 lbs.-ft (198.5 NM) @ 1600 rpm
Displacement	148 cu in. (2.434 L)	
Air Cleaner	Dry type Cyclopac air cleaner with service indicator light	
Cooling System	Side-by-side radiator/hydraulic oil cooler; pressurized; 8 qt. (7.6 L) capacity	
Lubrication	Fully pressurized with remote engine oil cooler	
Fuel Capacity	20 gal. (75.7 L)	
Oil Filter Type	Full-flow, replaceable spin-on remote type	
Electrical System	12V battery with 750 cold cranking amps; 45-amp alternator. Overload protection with circuit breakers and fuses.	12V AGM battery with 560 cold cranking amps; 45-amp alternator. Overload protection with circuit breakers and fuses.
<b>Speed (Maximum)</b>		
Mowing	7.7 mph (12.4 km/h)	
Transport	2WD: 14.9 mph (24 km/h) 4WD: 7.8 mph (12.6 km/h)	
Reverse	2WD: 6 mph (9.6 km/h) 4WD: locked out	
<b>Traction and Drive</b>		
Traction System	Hydrostatic, closed loop parallel system; (servo-controlled*) variable displacement piston pump; high-torque fixed displacement piston wheel motors; automatic flow divider for anti-stall and limited slip; motors on rear wheels electro-hydraulically engage/disengage for selectable 2WD or 4WD in transport; full-time 4WD in mow.	
Deck Drive	3-section pump and direct-cooled deck motors	
Hydraulic System	17 gal. (64.3 L) or 16 gal (60.6 L)* reservoir capacity; o-ring face seal fittings; charge and return filters; suction screen at tank; oil cooler; diagnostic test ports	
<b>Tires, Brakes and Steering</b>		
Front Tires	Two, 26 x 12-12 tubeless, 6-ply rated	
Rear Tires	Two, 23 x 10.5-12 tubeless, 4-ply rated	
Brakes	Dynamic braking through traction system	
Parking Brake	Wet parking brakes integrated in front wheel motors; engage switch on control console	
Steering	Rear wheel, hydrostatic power steering with tilt adjustable steering wheel	
<b>Decks and Cutting Units</b>		
Number and Size	One, 64 in. (1.62 m) full-floating front deck; Two, 42 in. (1.07 m) full-floating wing decks	
Deck Construction	10-gauge heavy-duty steel with reinforcing plates, ribs, bumpers	
Caster Wheels	Eight, 4 x 11 in. (10.16 x 27.94 cm) smooth, pneumatic tires with greaseable ball bearings	
Deck Lift/Lower	Hand operated, individual lever controlled hydraulic lift system	
Weight Transfer	Adjustable at operator controls, hydraulic weight transfer	
Blades	Seven, 23 in. (58 cm) low noise, low lift	
Motor/Spindle	Seven individual hydraulic motors with integral bearings; self lubricating	
Height-of-Cut	1 - 5.5 in. (2.54 - 14 cm) in 0.5 in. (1.27 cm) increments	
Overall Cutting Width	134 in. (3.4 m)	
Cutting Capacity	Up to 10.3 acres/hour at 7.7 mph (4.20 ha/hr at 12.4 km/h) (no overlaps or stops)	
Fuel Economy and Runtime (dependent on operator and turf conditions)	1.47 gal/hr fuel (5.56 L/hr) consumption at 40% load; Up to 13.6 hours on single tank of fuel	1.42 gal/hr (5.4 L/hr) fuel consumption at 40% load; Up to 14.1 hours on single tank of fuel
<b>Weight and Dimensions</b>		
Weight (full fluids, less operator)	4080 lbs. (1851 kg); Cab Installed: 4606 lbs. (2089 kg)	4150 lbs. (1882 kg)
Length	144 in. (3.66 m)	
Height	ROPS Up: 84 in. (2.13 m); ROPS Down: 63.5 in. (1.61 m); Cab Installed: 102 in. (2.59 m)	
Wheelbase	67.8 in. (1.72 m)	
Width	Mow: 139 in. (3.53 m); Transport: 93.5 in. (2.38 m)	

## Large Area Rotary Mower

## PRODUCT CONFIGURATION

### EQUIPPED STANDARD

- ✓ 4WD
- ✓ Foldable ROPS with seat belt
- ✓ Air-ride suspension seat with armrests
- ✓ Cruise control

### ACCESSORIES

- Mulching kit
- Road light kit
- Work light kit
- Carefree caster wheel kit
- Canopy/sunshade
- Climate controlled cab – ROPS glass cab, A/C & heater, fan, mirrors, front & rear wipers, front washer, work lights, 4-way flashers/signals
- Cab Accessories – Radio/CD, speaker & antenna system; Roof mounted rotating amber beacon

### GENUINE SERVICE PARTS

- Standard blade, LH: counterclockwise rotation; RH: clockwise rotation
- 10W-30 hydraulic fluid (standard)
- GreensCare 68 and GreensCare Plus 68 biodegradable fluid (optional)

### THIRD-PARTY ACCESSORIES

- Snow Blower
- Brush/Sweeper
- Front Blade

\*Engine horsepower is provided by engine manufacturer. Actual operating power output may vary due to conditions of specific use.

Due to emission regulations and fuel compatibility, model availability may vary by country. Please contact your nearest distributor for full details.

NOTE: Specifications, while correct at time of printing, may change without notice.

\*Specifications for model 069178, Tier 4 Final



1.888.922.TURF | www.jacobsen.com

©2014 Jacobsen division of Textron. All rights reserved.  
1023B/Rev3/P3M/May 2014