

JACOBSEN

Riding Greens Mowers

ECLIPSE® 322



ECLIPSE® 322

With no hydraulics and better control, the Jacobsen ECLIPSE® 322 riding greens mower delivers the highest quality-of-cut and lower operating costs.



The industry's only 15-blade reel from Jacobsen – the highest productivity and quality-of-cut ever designed into a reel.

QUICK SPECS

Power:

Battery: 48V lead acid (six 8 volt 190A deep cycle)

Hybrid Gas: 13.3 hp (9.9 kW)

Briggs & Stratton Vanguard V-Twin air cooled

Hybrid Diesel: 13.3 hp (9.9 kW)

Kubota Z482 2-cylinder diesel liquid cooled

Width-of-Cut:

62 in. (1.6 meters)

Height-of-Cut:

.062 - .438 in. (1.6 – 11.1 mm)

Mow Speed:

0 – 5 mph (0 – 8.9 km/h), electronically adjustable

Cutting Units:

Three 22 in. (.56 m) reels, 5 in. (12.7 cm) diameter with 7, 9, 11 or 15 blades

ECLIPSE[®] 322

NO HYDRAULIC OIL LEAKS - EVER

- No chance of turf damage since there is no hydraulics on the machine.
- No filters to change or hoses and valves to worry about equals less maintenance.

GREATER CONTROL, BEST IN CLASS QUALITY-OF-CUT

- Program your frequency of clip, mow speed, transport speed, and other setting through a password protected menu to deliver consistent results regardless of the operator. Change your settings as course conditions change throughout the year.
- Features the Jacobsen Classic XP™ Reels known to deliver the best quality-of-cut in the industry.

LOWER OPERATING COSTS

- Battery units can lower annual operating cost by 86% through fuel savings up to 630 gallons of fuel, 26 fewer gallons of waste oil and reduce scheduled maintenance.
- Hybrid units can lower annual operating cost by 35% through fuel savings up to 180 gallons of fuel and 18 fewer gallons of waste oil.
- See how much you can save with the online cost calculator at www.ECLIPSE322.com



AVAILABLE MODELS

ECLIPSE 322 BATTERY

ECLIPSE 322 HYBRID GAS

ECLIPSE 322 HYBRID DIESEL

ECLIPSE 322 3-WHEEL DRIVE (ALL MODELS)

PRODUCT CONFIGURATION

EQUIPPED STANDARD

- ✓ EXCLUSIVE programmable frequency of clip, mow speed, transport speed, reel speed (in no FOC mode) & cross cut position
- ✓ One touch up/down joystick controls for reels
- ✓ On board diagnostic through LCD screen
- ✓ Center swing out reel
- ✓ On board backlapping
- ✓ Grass catchers
- ✓ Automatic parking brake
- ✓ Durable welded reel frame construction
- ✓ Regenerative braking
- ✓ LED headlight
- ✓ ROPS
- ✓ On board battery charger (battery units only)
- ✓ One point battery watering system (battery units only)

CUTTING UNITS

- 22 in. (55.9 cm) 15, 11, 9 or 7 blade reel
- 22 in. (55.9 cm) Verticut reel, .75 in. (19 mm)

ROLLERS

- 22 in. (55.9 cm) Grooved assembly steel disc roller – 2 in. (5.1 cm) diameter
- 22 in. (55.9 cm) Grooved segmented machined aluminum roller – 2 1/4 in. (5.7 cm) diameter
- 22 in. (55.9 cm) Solid tube steel roller with scraper (light duty) – 2 in. (5.1 cm) diameter
- 22 in. (55.9 cm) Solid tube steel roller with scraper (heavy duty) – 2 in. (5.1 cm) diameter
- 22 in. (55.9 cm) Grooved machined steel roller – 2-3/16 in. (5.6 cm) diameter
- 22 in. (55.9 cm) Grooved machined aluminum roller – 2-3/16 in. (5.6 cm) diameter

ACCESSORIES

- Turf Groomer, 22" width and .25" or .50" spacing
- Quick Roll greens roller
- Spiker
- Powered rear roller cleaning brush
- High cut kit – 15/16 in. (2.4 cm) when used with 2-3/16 in. (5.6 cm) roller
- Reel conversion kit - converts G-Plex or GP400 reels to Eclipse 322
- Premium seat – Grammer seat in gray vinyl with suspension base, adjustable brackets
- LED light kit, ROPS mounted
- Dew whip holder
- Canopy/Sunshade kit - adjustable
- Tow bar
- Traction tire assembly 18 x 9.5 x 8 (wheel and tire)
- International charger kit for battery units 220V and IEC Standard

Programmable frequency of clip (FOC) can be tailored to achieve the most consistent playing conditions and healthiest turf conditions, regardless of the operator.



Full on-board diagnostics and monitoring are displayed through an LCD screen and on LED readouts. No additional diagnostic tools or attachments required.

Ergonomically designed cockpit has swing out armrest controls and LED headlight among other user-friendly features.

Individual reel control is exclusive to the Eclipse 322. Select and engage only the reels you want, minimizing the wear pattern known as triplex ring.

Steer-by-wire system eliminates hydraulics and cables, allowing for quick turns and assuring an exceptionally straight line.



Swing-out center reel allows for easy access for adjustment and service.



Automatic parking brake is self-actuating, maintenance-free and applies automatically when the pedal accelerator is released.

Greens Management System includes Jacobsen Classic XP™ Reels and multiple optional attachments that increase the versatility of the Eclipse 322.



VERTICUTTERS



QUICK ROLL™



TURF GROOMERS®



SPIKER



Optional 3-wheel drive model offers superior climbing ability on tees, approaches and fairways. A 3-wheel drive upgrade kit is available for existing 2-wheel drive models.

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Riding Greens Mowers

SPECIFICATIONS

Power	Battery	Hybrid Gas	Hybrid Diesel
Engine		Briggs and Stratton Vanguard V-Twin; air-cooled; 13.3 hp	Kubota Z482 2-cylinder diesel; liquid cooled; 13.3 hp
Generator		48V, 5.8 kW Continuous	
Displacement		29.23 cu. in. (479 cc)	
Battery Pack	48V (six 8 volt 190AH deep cycle lead acid batteries) with single point watering system		
Battery Charger	On-board high frequency charger 18 amp, 48V DC output, 85-265V AC 45-65 Hz input		
Traction & Drive System			
System Voltage	48V nominal		
Traction Drive 2WD / 3WD	Front / 2WD - AC; 4.4 hp (3.3 kW) continuous / Rear / 3WD – PM; 3.2 hp (2.4 kW)		
Reel Drive	One brushless DC motor per reel; 1.3 hp (0.97 kW) continuous		
Reel Lift	One linear actuator per reel with individual control		
Tires, Brakes & Steering			
Tires 2WD / 3WD	2WD, 3 - 18 x 10.5 x 8 4-ply / 2 (front) - 18 x 10.5 x 8 4-ply and 1 (rear) 18 x 10.5 x 10 4-ply		
Parking Brake	Automatic electro-magnetic multi-plate		
Steering	Variable ratio by-wire steering with feedback control		
Speed			
Mowing	0 - 5.0 mph (0 - 8.9 kph); electronically adjustable max speed		
Transport	0 - 9.0 mph (0 - 14.5 kph); electronically adjustable max speed		
Reverse	0 - 4.0 mph (0 - 6.4 kph)		
Weight & Dimensions			
Weight 2WD	1394 lbs. (632 kg) with all fluids	1322 lbs. (599 kg) with all fluids	1362 lbs. (618 kg) with all fluids
Weight 3WD	1432 lbs. (649 kg) with all fluids	1360 lbs. (616 kg) with all fluids	1401 lbs. (635 kg) with all fluids
Length with Catchers On	101 in. (2.57 m)		
Height with ROPS	79.3 in. (2.01 m)		
Wheel Base	52 in. (1.32 m)		
Width	58.75 in. (1.5 m) outside of tires		
Overall Width	67.7 in. (1.72 m) with reels		
Ground Clearance (at reels)	Front: 6.125 in. (15.5 cm) Rear: 4.25 in. (10.8 cm)		
Turning Circle	Inside: 20.25 in. (0.51 m) Outside: 144.25 in. (3.7 m)		
Fuel Capacity		5 gal. (19 L)	
Approximate Run Time per Tank		10 hrs.	15 hrs.
Approximate Run Time per Charge	3 - 3.5 hrs.		
Approximate Recharge Time	4 - 6 hrs.		
Operator Levels			
Operator Ear Noise Level		84 dBA	
Reels & Blades			
Number and Size	Three 22 in. (0.56 m) reels; 5 in. (127 mm) diameter		
Number of Blades	7, 9, 11, 15		
Cutting Frequency	0.05 - 0.25 in. (1.2 - 6.3 mm) with 11 blade reel; electronically adjustable		
Overall Cutting Width	62 in. (1.6 m)		
Height of Cut Range (depending on turf condition and bedknife installed)	0.062 - 0.438 in. (1.6 - 11.1 mm)		
Backlapping	Standard on-board backlapping		
Reel Weights	7 blade reel, 86 lbs, 9 blade reel, 87 lbs, 11 blade reel, 89 lbs, 15 blade reel, 92 lbs		

15-Blade Reel

One More "Reel" Reason Jacobsen® is a Cut Above The Rest

Introducing the industry's first 15-blade reel from Jacobsen – the highest productivity and quality-of-cut ever designed into a reel.



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

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