BARONESS

Quality on Demand

SURROUND & TRIM MOWER

LM331



BARONESS is the global brand of Kyoeisha Co. Ltd.

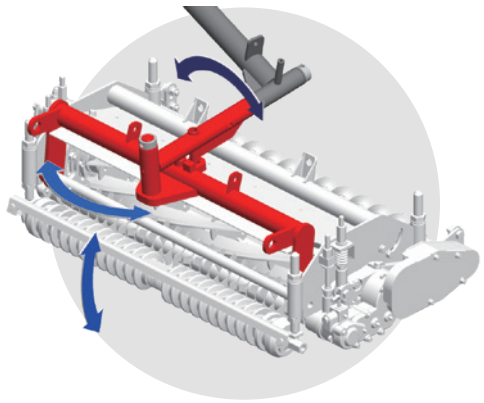
HIGH-QUALITY, 3WD **SURROUND** AND **TRIM MOWER** POWERED BY A **HYDROSTATIC SYSTEM**

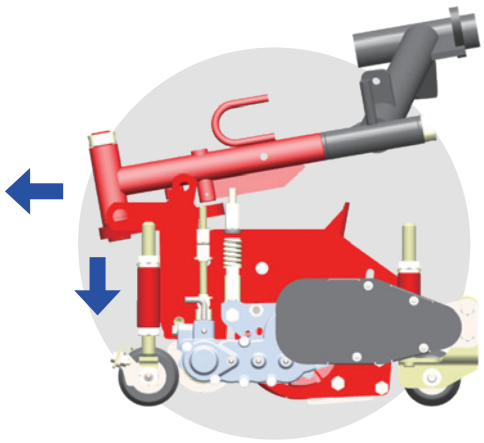
The simple design allows the LM331 to hug all the contours and undulations around the bunkers and surround areas on the golf course while creating a healthy cut and beautiful after cut appearance.

The LM331 is equipped with precision-engineered reel cutters, made from Baroness's own special steel and produced by proven craftsmanship and state of the art manufacturing technology. There are two types of mowing units available: the higher-grade model, "MC unit (Multi-Configuration unit)" and the simpler, lightweight model, "STD unit (Standard unit)," providing options based on your market's needs.

The mower arms are equipped with two types of mechanisms - the first absorbs the bouncing of the mowers to keep consistent down pressure. The second enables the mowers to follow the most severe undulations accurately whilst creating a beautiful finish.

The LM331 can mow beautifully and precisely according to the grass types or turf conditions, helping you create high-quality turf.





MOWER UNIT SWING MECHANISM

The mower unit is equipped with a three-direction swing mechanism which allows the unit to accurately follow the most severe undulations. It also keeps the cutting units from sliding sideways when turning, allowing you to mow confidently while preventing the cutting units from scalping.

MOWER UNIT DOWN PRESSURE MECHANISM

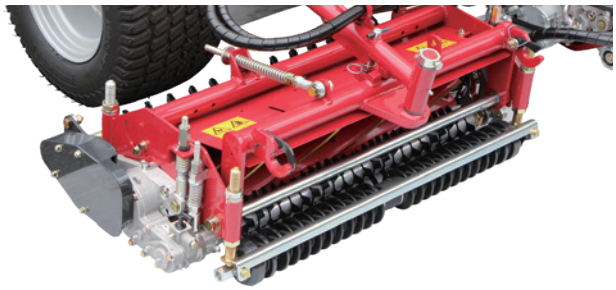
The down pressure mechanism keeps the mower unit from bouncing, allowing the unit to beautifully follow the contour.

There are two types of mowing units available to suit your needs:
The **MC Unit** and the **STD Unit**

1 MC UNIT (MULTI-CONFIGURATION UNIT)

The MC Unit is a newly-designed, higher grade model.

Equipped with B-ACT (Baroness Aggression Cutting Technology), the MC unit can adjust the cutting performance based on the conditions of the turf. The wider distance between the front and rear rollers and the weight of the unit provide great stability, contributing to the creation of a smooth surface. Even though the LM331's focus is approach areas, attaching a front groomer enables the machine lightly dethatch, or groom the turf. The MC unit can attach both groomer and CR brush.



Optional Attachments:
Front Groomer, CR Brush, Front Groomer + CR Brush, Front Scraper, Rear Scraper (Bar and Wire types), Grass Catcher

2 STD UNIT (STANDARD UNIT)

The STD unit is a newly-designed, lightweight and simple model.

The lightweight unit minimizes the stress on the turf while improving the climbing power of the mower. The shorter distance between the front and rear rollers prevents scalping on heavily undulating surfaces or softer surfaces.



Optional Attachments:
CR Brush, Front Scraper, Rear Scraper (Wire type), Grass Catcher

NEW DESIGN, EASY TO ATTACH/ DETACH GRASS CATCHER

The grass catcher comes with a handle, allowing an easier grip and easier disposal of grass clippings and debris. It can be attached or detached in a single motion.

LARGE CAPACITY FUEL TANK

The tank capacity is 25l - Sufficient enough for a day's continuous operation without refueling.

OPENING AND CLOSING THE REEL COVER

The reel cover can be opened, closed, and adjusted in a single motion. The reel cover of the middle mower unit is usually difficult to access; however, the LM331 uses a mechanism that simultaneously allows both sides of the cover to open and close simply with one hand (only available with the STD unit).

SEAT POSITION

The position and firmness of the seat can be adjusted to fit the operator's body type. This reduces operator fatigue even after long hours of mowing.

SELECTABLE 2WD AND 3WD

The drive mode can be switched between 2WD and 3WD, allowing the mower to operate and perform smoothly anywhere.

LM331 SPECIFICATION



212 cm

196 cm



254 cm

Model		LM331	
Cutting units		MC unit 	STD unit 
Dimensions	Total length	254 cm	←
	Total width (working)	212 cm	←
	Total height (ROPS)	196 cm	←
Weight (with ROPS and empty fuel tank)		910 kg	862 kg
Minimum turning radius		198 cm	←
Engine	Model	Kubota D902-E4B	←
	Type	Vertical water-cooled 4-cycle diesel engine	←
	Total displacement	898 cm^3 (0.898 L)	←
	Maximum output	13.4 kW (18.2 PS) / 2,600 rpm	←
Fuel tank capacity		Diesel 25.0 dm^3 (25.0 L)	←
Operating width (Mowing width)		183 cm	←
Operating height (Mowing height)		8 - 45 mm (*1)	10 - 46 mm
Blades		7 , 9 5	5 , 7 , 9
Drive		HST, 2WD/3WD selectable	←
Speed (HST) - Forward		2WD: 0 - 14.0 km/h 3WD: 0 - 8.7 km/h	←
Speed (HST) - Reverse		2WD: 0 - 10.0 km/h 3WD: 0 - 6.2 km/h	←

*The factory default maximum engine rpm is 2,800 rpm.

(*1) For 0.394 in (10 mm) or less mowing height, the optional bedknife is required.

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