

Lineup



Gasoline engine model



Diesel engine model

Attachment



Vibration Roller Unit

Application: Compacting of greens and dropping of sand
The use of a roller to compact the green will help alleviate any uneven spots to make the green smooth. Vibration is applied to move the top dressing of sand into the turf.
•Weight: 63.93lb(29kg)



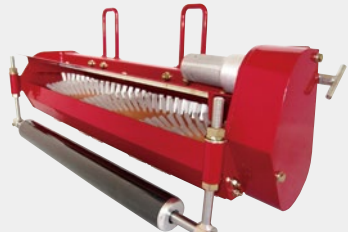
Thatching Reel Unit

Application: Removal of thatch
Spiral thatching blades penetrate the turf to remove thatch.
•Work width: 56.69in(144cm)
•Work depth: Maximum of 0.079in(2mm)



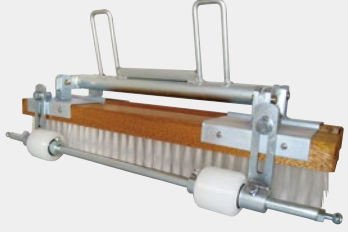
Spiker Unit

Application: Ensures the permeability and breathability of the green
A light aeration of the top surface improves permeability and breathability to assist in root development.
•Work depth: Maximum of 1.57in(40cm)



Rotating Brush Unit

Application: Picking up of thatch, debris, etc.
A spiral brush picks up thatch, debris, etc. while improving the green surface at the same time.



Brush unit for brushing green

Application: Pushing sand and top-dressing into the turf.
Two interlocking brushes push the sand and top dressing into the turf.

Specification



LM315GC
for greens



LM315GC
for tees



LM315GC
for fields

		Gasoline			Diesel		
Model		LM315GC (for greens)	LM315GC (for tees)	LM315GC (for fields)	LM315GC (for greens)	LM315GC (for tees)	LM315GC (for fields)
Dimensions	Total length	84.65 in 215 cm			84.65 in 215 cm		
	Total width	79.92 in 203 cm			79.92 in 203 cm		
	Total height/Steering wheel	51.97 - 55.51 in 132-141 cm			51.97 - 55.51 in 132 - 141 cm		
	2WD (with ROPS and empty fuel tank)	1316.14 lb 597 kg			1452.82 lb 659 kg		
	3WD (with ROPS and empty fuel tank)	1371.25 lb 622 kg			1507.94 lb 684 kg		
Weight	Grass catcher (for one machine)	26.46 lb 12 kg			26.46 lb 12 kg		
	Groomer (for one machine)	22.05 lb 10 kg			22.05 lb 10 kg		
Minimum turning radius		354.94 in 161 cm			354.94 in 161 cm		
Engine	Model	Vanguard 356447			Kubota D722-E4B		
	Type	Air-cooled 4-cycle gasoline engine			Vertical water-cooled 4-cycle diesel engine		
	Total displacement	34.78 cu.in. 570 cm³ (0.57 L)			43.87 cu.in. 719 cm³ (0.719 L)		
	Maximum output	113.2 kW (18.0 PS)/3,600 rpm			12.4 kW (16.9 PS)/3,000 rpm		
Fuel tank capacity		Gasoline 5.28 U.S.gal. Gasoline 20.0 dm³ (20.0 L)			Diesel 5.28 U.S.gal. Diesel 20.0 dm³ (20.0 L)		
Operating width (Mowing width)		59.84 in 152 cm			59.84 in 152 cm		
Operating height (Mowing height)		0.059 - 0.709 in 1.5 - 18.0 mm	0.236 - 0.787 in 6.0 - 20.0 mm	0.394 - 1.575 in 10.0 - 40.0 mm	0.059 - 0.709 in 1.5 - 18.0 mm	0.236 - 0.787 in 6.0 - 20.0 mm	0.394 - 1.575 in 10.0 - 40.0 mm
Blades		9 or 11	7	7	9 or 11	7	7
Drive		HST 2WD [3WD (2WD/3WD selectable)]			HST 2WD [3WD (2WD/3WD selectable)]		
Speed (HST)	Forward	0 - 9.32 mph 0 - 15.0 km/h			0 - 9.32 mph 0 - 15.0 km/h		
	Reverse	0 - 3.73 mph 0 - 6.0 km/h			0 - 3.73 mph 0 - 6.0 km/h		
Efficiency		1.8 acres/hour 7,296 m²/h (6.0 km/h x mowing width x 0.8)			1.8 acres/hour 7,296 m²/h (6.0 km/h x mowing width x 0.8)		
Maximum inclination for operation		15 degrees			15 degrees		
Tire size	Front wheel	Smooth 18×9.50-8 2P	Pillow Dia 18×8.50-8 4P	Smooth 18×9.50-8 2P	Smooth 18×9.50-8 2P	Pillow Dia 18×8.50-8 4P	Smooth 18×9.50-8 2P
	Rear wheel	Smooth 18×9.50-8 2P	Pillow Dia 18×8.50-8 4P	Smooth 18×9.50-8 2P	Smooth 18×9.50-8 2P	Pillow Dia 18×8.50-8 4P	Smooth 18×9.50-8 2P

The factory default maximum engine rpm is 3,000 rpm.
[US]

Safety notes

- Read the Owner's Operating Manual and other training material carefully. Be familiar with the controls, safety signs and the proper use of equipment before operation.

Assurance inspection

- Regular inspection of the machine ensures long-lasting superior performance and safety.
- There are parts of machine prone to wear and deterioration from long periods of use. Please consult with local dealer or distributor for proper inspection and maintenance schedule.

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- Catalog No: LM315GC-US/18A-0300-keywest C

Your distributor or dealer

BARONESS
Quality on Demand

BARONESS
Quality on Demand

Riding Greens Mower
LM315GC



BARONESS is the global brand of Kyoeisha Co. Ltd.

*The model shown is equipped with optional features.

The LM315GC has the highest cutting quality in the industry for ride-on green mowers. The LM315 is equipped with sophisticated sharp reel cutters, produced from an original special steel, made exquisitely by proven craftsmanship and cutting-edge manufacturing technology. This ride-on green mower is capable of achieving a fine cut comparable to the quality of cut produced by the walk behind green mower due to the unique design concept. The mower is equipped with a reel rotation speed (high speed, low speed and backlapping) switching mechanism to easily change the FOC with just one action. The LM315 has many variations to set the HOC and blade angle allowing the operator to set the optimal mowing angle to match the HOC and turf condition. In addition, the reel is powered by our original wire cable system that eliminates the risk of hydraulic oil leaking from the cutting unit on to the greens. The mower will automatically switch to 3WD for excellent climbing and turning performance to give you the best possible cut in any location. The LM315GC is available in a gasoline and diesel engine models. The LM315 product lineup includes a green mower, tee mower and field mower which offer a fine cut on any type of sports field to achieve the highest level of cutting performance.

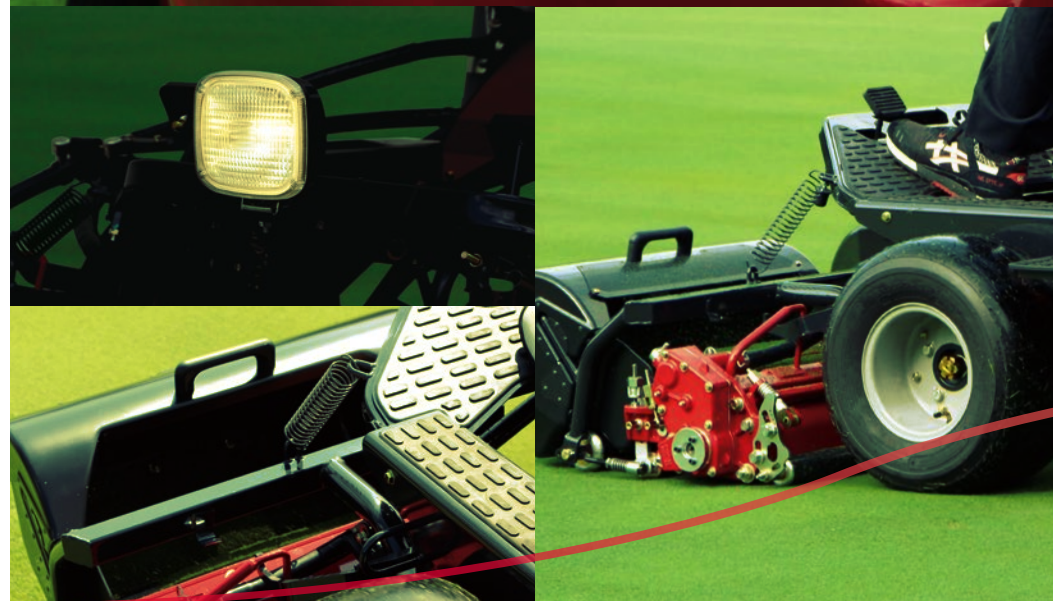
Riding Greens Mower **LM315GC**

Quality on Demand

*The model shown is the diesel engine model/equipped with optional features.



Slim body design
with molded in storage compartments.



Style and performance.
Stylish design
with **the best cutting quality**

Riding Greens Mower
LM315GC

*The model shown is the diesel engine model/equipped with optional features.

LM315GC features



Razor sharp reel cutter

Baroness' reel cutters are made from an original special steel to achieve the hardness and tenacity of Japanese swords. The hardness of the reel cutter and bed knife is designed to avoid countering, and the precise mating surface between cutters contributes to increased durability. The Baroness reel cutter is built using highly skilled craftsmanship and the latest manufacturing technologies in a 16 step process to achieve a sharp and beautiful cut that can finish greens quickly and smoothly.

Reel Rotation (High Speed / Low Speed) Switching Mechanism

The reel's rotational speed (high and low speeds) can be easily switched by sliding the lever on the gear box. The clipping pitch can also be adjusted to conform to the type of grass or condition of the green.

Adjustable Cutting Height and Mower Angle

Optional adjustments for HOC and angle settings. Ability to change the mowing performance and quality of cut when using an identical mowing height. The posture of the mower can be changed to counteract wear on the reel cutter.

Flexible Wire

Utilizes our original wire cable system. The reel rotation is powered by the flexible wire and eliminates the risk of severely damaging the turf due to leaking hydraulic oil.

3WD Automatic Switching Mechanism

The 3WD specifications allocates power to the rear wheels when power is most needed to climb hills. When operating, the LM315GC will automatically switch to 3WD without changing the work speed. While turning on the LM315GC, there is no worry of damaging the turf due to the front wheels slipping because the rear wheel will assist by rotating into the turning direction reducing damage to the turf.

Simple maintenance

Rear gull wing opening ensures easy access and room for maintenance. Disassembling the mower unit is simple, reducing the maintenance time when changing attachments or when replacing parts each time it is required.

Riding Greens Mower
LM315GC

Cutting control of LM315GC

B-ACT
BARONESS Aggression Cutting Technology

B-ACT gives the world's superintendents unique optional settings to adjust the aggressiveness of their mowers to achieve their ideal conditions.

The cutting performance of the reel mower changes greatly depending on the positional relationship between the reel and the bed knife. The bedknife blade attitude and the distance of the bedknife from the reel centerline defines the stance, Aggressive or Less Aggressive. Baroness reel mowers are equipped with an adjustment mechanism to achieve variable mowing performances at the same HOC setting. We call this, B-ACT. All around the world golf courses deal with many different conditions and turf. On every golf course, superintendents and golfers have individual ideas of what are the ideal playing surfaces and turf conditions. Therefore, BARONESS provides options to customize an optimal cutting performance for every customers' needs and wants with B-ACT.

BARONESS' philosophy

The Baroness standard is based on an aggressive cutting stance that provides the best cut for the turf. Cutting with an aggressive stance positions the grass vertically when cutting (shearing), reducing the growth of variable and larger grass leaves, while promoting healthy new shoots of grass that are more uniformed in leaf size. A less aggressive stance can be beneficial when turf conditions are softer and the grass is not tightly compacted. In such cases a less aggressive stance can help protect the appearance of your turf. However cutting only with the less aggressive stance, does not allow your turf to reach its optimal condition. Aggressive? Less Aggressive? Before cutting any grass, you should always check the conditions of the turf and adjust your cutting stance to better fit your needs. Baroness' goal is to assist in creating the best turf and playing conditions possible. BARONESS believes that a beautiful, healthy green with a truer ball roll and good surface is created from conditions where the grass is tightly compacted, there is the right number of grass shoots and the shoots grow evenly and straight up.

B-ACT of LM315GC

LM315GC is equipped with an adjustment mechanism to achieve variable mowing performances at the same HOC setting by adjusting the position of the rear roller.

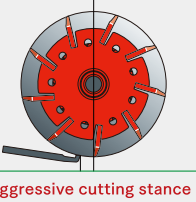
Aggressive cutting stance

Aggressive
The angle or attitude of the bedknife is more pronounced and the distance of the bedknife is farther from the reel centerline. This more aggressive blade path provides the healthiest cleanest cut for the grass while creating the best visual and playing conditions. The adverse side of this aggressive setting is that any variations in conditions can be visually noticeable and at times undesirable.

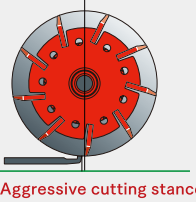
Less Aggressive cutting stance

Less Aggressive
The distance of the bedknife to the reel centerline is positioned closer and the angle or attitude of the bedknife is decreased. This stance can visually mask imperfections of the turf but also allows for more stragglers or uneven cut grass.

BARONESS MODELS WITH B-ACT LM18.56.66GB,LM101,LM331,LM2700



Aggressive cutting stance



Less Aggressive cutting stance

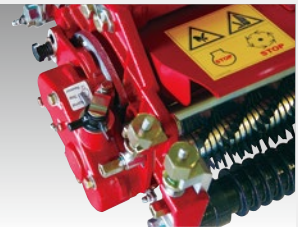
Frequency of Clip (FOC)

The LM315GC allows you to set the FOC to fit your unique turf conditions. The Baroness riding greens mower is equipped standard with a multi-speed transmission, where the operator can easily change the clip frequency with a switch of a lever. Combining the easy to adjust high / low clip frequency and the option to choose from 7, 9 or 11 blade reels, the desired FOC can be achieved, assuring you a consistent quality of cut.

BARONESS Riding Greens Mower FOC (Clip)					
Model	Riding Mower				
	LM315GC				
Engine rpms	3,000				
Reel rpms	High Clip		Low Clip		
	1,874		1,218		
Operating speed(mph km/h)		3.73 6.0	3.11 5.0	3.73 6.0	3.11 5.0
11-Reel Blades	FOC(in/cut mm/cut)	0.193 4.9	0.157 4.0	0.295 7.5	0.244 6.2
9-Reel Blades	FOC(in/cut mm/cut)	0.232 5.9	0.193 4.9	0.358 9.1	0.299 7.6
7-Reel Blades	FOC(in/cut mm/cut)	0.299 7.6	0.252 6.4	0.461 11.7	0.386 9.8

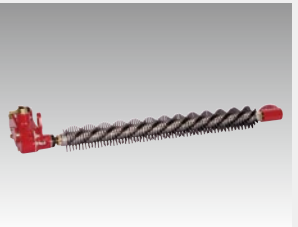
LM315GC options

Optional Attachments and Kits



Groomer, De-thatcher and Rotary brush

All optional attachments are bi-directional. Choose forward or reverse direction with a simple move of a lever.



Groomer

Our groomer improves the turf's condition by combing and standing up laid-down grass to create a more consistent cut. The recommended attachment direction is forward.



De-thatcher

Our De-thatcher aggressively removes thatch to help improve water penetration and air circulation. The recommended attachment direction is reverse.



Rotary brush

Another grooming tool to help improve with turf maintenance. This is our most efficient tool when top-dressing. In reverse direction, brushes push sand away from the reel and back on to the greens. These options can be operated in either forward or reverse direction according to the intended use.



Reel cutter

The reel's incredibly sharp blades and our original micron cutting technology assure a precision and uniform cut. Our reels are available in 7, 9, and 11 blades.



Front Roller (Grooved or Smooth)

Select the optimal roller according to your preference or seasons conditions.



CR brush

CR brush keeps the rear roller from building up debris enabling a consistent height of cut.



Folding ROPS

Our folding Roll-Over Protective Structure can be folded for better clearance on flat areas and meets ISO21299.



Protective net

Our protective net attaches behind the operator's seat to the ROPS. Protecting the rear of the operator from errand golf balls.



Front wheel weight kit

Attaching weights to the front wheel helps improve stability and climbing ability.



Light

To assist and improve operator visibility in the early mornings or after sunset. Halogen light and LED light options available.



PD tires

Optional treaded PD tire for better traction and drive power.



Swisher holder/ Broom holder

Optional Swisher or Broom holder is available. Swisher pole or Broom can be stored on the LM315GC for easy transport and use. Select from Swisher pole (long pipe) or for Broom (short pipe).

*The model shown is equipped with optional features.