



WALK BEHIND GREENS  
& TEE MOWERS

**LM18GB LM66TB**  
**LM56GC LM66TC**

A CUT ABOVE PERFECTION

**BARONESS**



# HIGHEST QUALITY CUT IN THE INDUSTRY. MAINTAIN **THE BEST** CUT FROM **FIRST** CUT TO **LAST**.

**The Baroness LM56 & LM66 walk behind cylinder mowers. Among the lightest in their class, solidly built, highly manoeuvrable and constructed to a quality standard second to none.**

Baroness walk-behind cylinder mowers are built to provide the highest quality finish on all fine turf areas. Golf Greens and Tees, Bowling Greens, Tennis Courts and Cricket Pitches. Completely gear driven, Baroness mowers are easier to maintain and more durable than mowers with other drive systems such as belts or chains.

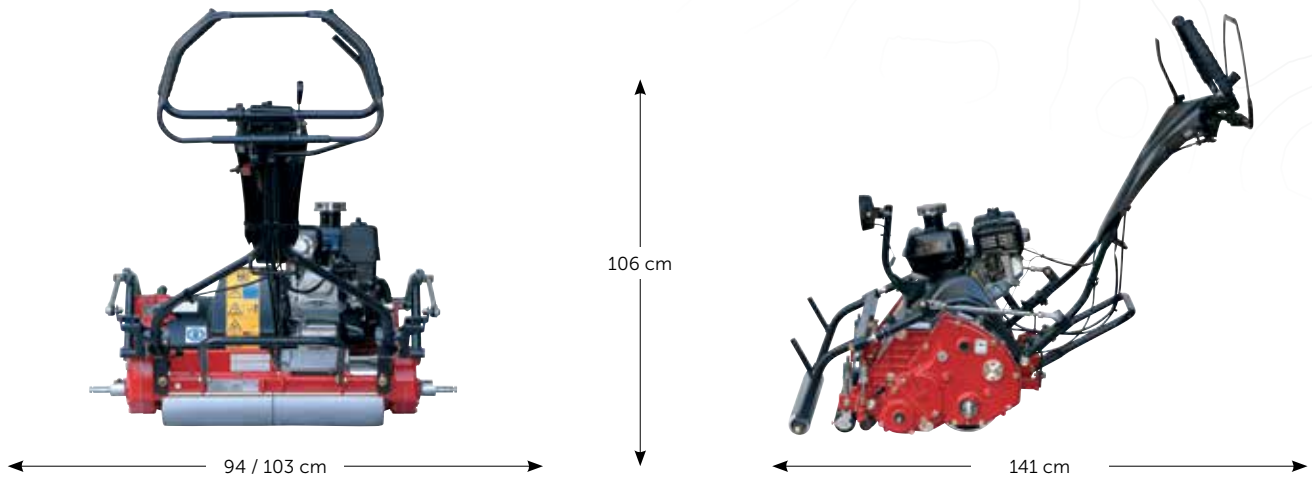
At Baroness, we pride ourselves on the cutting quality of all our cylinder mowers. Using Nickel-Chrome-Molybdenum alloy steel cutting cylinders and specially hardened, tipped bedknives, Baroness mowers take care of your fine turf, day in, day out, by keeping the sharpest cutting edge for longer than any other make.

Not only is the Baroness LM56-66 series the sharpest tool in the box, but you get a complete turf maintenance system for the price of one mower.

Equipped with bi-directional front grooming reel, de-thatching reel or brush, all of which are gear driven and changeable in 5 minutes, the Baroness LM56-66 range offers you total control over the quality of your playing surface.



# LM56GC & LM66TC SPECIFICATIONS



		LM56GC	LM66TC	
Dimensions	Total length	with grass catcher	141cm	141cm
	Total width	without travelling wheel	94cm	103cm
	Total height	steering handle	106cm	106cm
Weight	Total weight	(empty fuel tank)	102kg	107kg
	Grass catcher *1	without travelling wheel	3.3kg	3.6kg
	Groomer *1		3.6kg	4.0kg
	Travelling wheel (for one machine) *1		6.9kg	6.9kg
Engine	Model	Honda GX120		
	Type	Gasoline air-cooled engine (OHV) four-stroke single-cylinder		
	Total displacement	7.20 cu.in. 118cm3 (0.118 L)		
	Maximum output	2.6 kW (3.5 PS)/3,600 rpm		
Operating width (Mowing width)	55.7 cm			64.6 cm
Operating height (Mowing height)	3.0 - 29.0 mm [3.0 - 27.0 mm] *2			4.5 – 29 mm [4.5 – 27 mm] *2
Blades	11			7
Drive	Travelling	Mechanical		
	Mowing	Mechanical		
Speed (Mechanical)	4.8 km/h (@3,000 rpm) 2.98 mph (@3,000 rpm)			
Efficiency	2,139 m2 /h (4.8 km/h x mowing width x 0.8) (2.98 mph x mowing width x 0.8)			2,481 m2 /h (4.8 km/h x mowing width x 0.8) (2.98 mph x mowing width x 0.8)
Tyre size	4.10/3.50-6			
Pneumatic pressure	1740 psi / 120 kPa (1.2 kgf/cm2)			

\* The factory default maximum engine rpm is 3,100rpm.

\*1 : Total weight includes \*1 parts.

\*2 : The indicated lowest mowing height is for general application. It may be adjusted according to the state of green and the bed knife to be installed. The value in brackets [ ] is the mowing height of the machine equipped with a groomer.



# THE **NEW** STANDARD IN WALK-BEHIND **GREENS MOWERS.**

**Raise the bar with the Baroness LM518G, LM56GB & LM66GB mowers, offering world class precision and independent catcher arm and premium bedknives.**

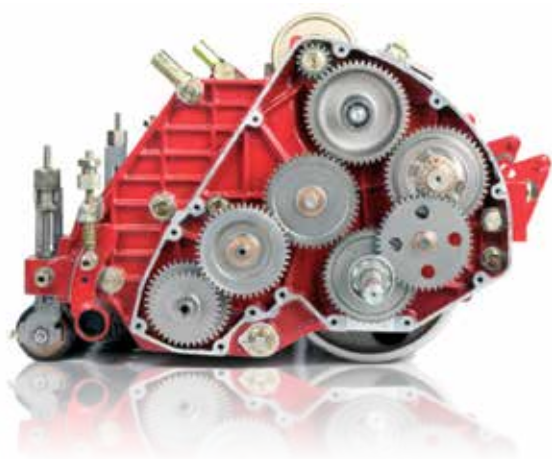
## **WORLD CLASS PRECISION**

Baroness uses its own special blend of steels and utilises the same techniques used to achieve the hardness and tenacity that Japanese swords are known for. The hardness of the reel cutter and bedknife are designed to avoid countering.

The precise mating surfaces increase the durability and life of both your reel and bedknife. Baroness' reel cutters are made with tested and proven craftsmanship along with cutting edge manufacturing technologies through 16 processes, to achieve a beautiful cut and to quickly and smoothly create the perfect green.

## **TRADITIONAL ALL-GEAR DRIVE**

The Baroness walk-behind greens mower utilises Baroness' traditional all-gear drive. Baroness's all-gear drive has 100% drive transmission rate with no slippage or lag between the drive-(drum rotation)-to reel rotation ratio. Additionally, it has extremely high durability compared to a belt or chain type. This gives peace of mind to the operator and allows them to provide a balanced cut.



## REEL CUTTER **PRECISION**



# DE-THATCHER, GROOMER & ROTARY BRUSH



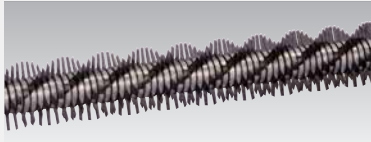
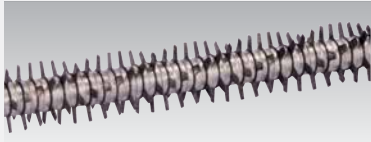
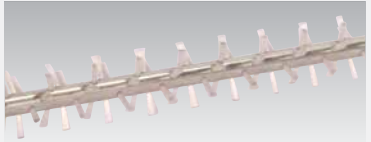
## LEVER ADJUSTABLE OPTION

Optional groomer can be attached, optional attachments are bi-directional. Can choose forward direction or reverse direction with a simple move of a lever.



## BENEFITS OF FORWARD AND REVERSE ROTATION

- Forward rotation stands up grass that has laid-down for a better cut. Correcting the angle of the turf (grain of the turf) when cutting helps keep the length of the grass (cutting height) uniform and leads to improved putting quality. As a result, this promotes off shoots in the grass, increases the number of sprouts, unifies the leaf area and makes the turf stronger.
- In reverse rotation, the optional attachment can remove thatch between the surface and the grass. This prevents the occurrence of disease and harmful insects. This also makes it easier for the sand to penetrate down into the surface when top dressing.

	Groomer		De-thatcher		Rotary brush	
						
	Blades	Blade thickness	Blades	Blade thickness	Brushes	Diameter
<b>LM18GB</b>	64	0.020in   0.5mm	32	0.039in   1.0mm (0.020in   0.5mm)	30	2.36in   60mm
<b>LM56GB</b>	78	0.020in   0.5mm	39	0.039in   1.0mm (0.020in   0.5mm)	47	2.36in   60mm
<b>LM66GB</b>	92	0.020in   0.5mm	46	0.039in   1.0mm (0.020in   0.5mm)	55	2.36in   60mm
<b>Intended Use</b>	This has the benefit of straightening the green's turf and standing up laid-down grass to cut. The recommended attachment direction is forward.		This is used to eliminate thatch and also benefits the green by standing up the grass blades vertically. The recommended attachment direction is reverse.		This benefits the greens by smoothing out the green's turf, eliminating debris and removing morning dew. These options can be operated in either forward or reverse direction, according to the intended use.	

## FRONT ROLLER

Select the optimal roller according to conditions and requirements, such as quality of cut, reducing turf stress, and such.



## DEW ROLLER

The dew roller increases cutting quality without stressing the greens with morning dew. Reduce the amount of work involved by cutting the grass and removing dew at the same time. \*Cannot be used in conjunction with IGCA.



# FINE DETAILS FOR FINE CUTS

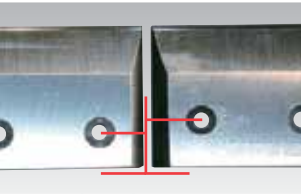
## BEDKNIVES

The standard bedknife position is set at an aggressive distance and angle to provide the most truest cut. The reel cutter and bedknife distance on the Baroness Walk-Behind Greens Mower is set to stand the grass up and firmly grab a large amount of grass for cutting.



Bedknife options	Model	Blade thickness	Parts name	Extended
	LM18GB	0.059in   1.5mm	1.5 Bedknife 18G	STD
			1.5 Bedknife 18G-44.5	0.098in   2.5mm
			1.5 Bedknife 18G-47	0.197in   5.0mm
	LM56GB	0.059in   1.5mm	1.5 Bedknife 55G	STD
			1.5 Bedknife 55G-44.5	0.098in   2.5mm
			1.5 Bedknife 55G-47	0.197in   5.0mm
		0.079in   2.0mm	2 Bedknife 55G	STD
			2 Bedknife 55G-44.5	0.098in   2.5mm
			2 Bedknife 55G-47	0.197in   5.0mm
	LM66GB	0.118in   3.0mm	3 Bedknife 62.5-559	STD
		0.059in   1.5mm	1.5 Bedknife 65G	STD
			1.5 Bedknife 65G-44.5	0.098in   2.5mm
			1.5 Bedknife 65G-47	0.197in   5.0mm
		0.079in   2.0mm	2 Bedknife 65G	STD
			2 Bedknife 65G-44.5	0.098in   2.5mm
			2 Bedknife 65G-47	0.197in   5.0mm
		0.118in   3.0mm	3 Bedknife 62.5-648.4	STD

## Extended Bedknives



The holes for the extended bedknives are positioned differently than the standard bedknives. The distance between the bedknife edge and cutting reel is shorter or closer than a standard bedknife to lessen the risk of scalping.

## Benefits and Disadvantages of Extended Bedknives

	Benefits	Disadvantages
Large ↑ Extended ↓ Small	<ul style="list-style-type: none"><li>• Large amount of cut grass</li><li>• Good contact between the end of the reel cutter and bedknife</li><li>• Good cutting quality</li></ul>	<ul style="list-style-type: none"><li>• Possibility of scalping occurring</li><li>• Large amount of sand collect from the top dressing</li></ul>
	<ul style="list-style-type: none"><li>• Suppress scalping</li><li>• Small amount of sand collected from the top dressing</li></ul>	<ul style="list-style-type: none"><li>• Small amount of cut grass</li><li>• Reduced contact between the end of the reel cutter and bedknife</li><li>• Reduced quality of cut</li></ul>

### INDEPENDENT GRASS CATCHER ARM

The IGCA (Independent Grass Catcher Arm) is a mechanism which doesn't allow the mower cutting height to change even if the amount of grass in the grass catcher increases.

Baroness eliminated as much operator error as possible by allowing more movement on the handle without affecting the cutting head. The cutting head will stay in the same stable position and continue cutting the turf. Even if the handle is operated in a rough manner, the cutting height will not change from start to finish.

The operator is able to cut the green with the same balanced uniform cut and consistent HOC cut regardless of the operator's skill level or ability. (IGCA) can be equipped to the LM18GB and LM56GB.)

### SUPPORT ROLLERS

This is an optional roller that can be mounted on either side of the mower to reduce scalping, which occurs when the edge of the reel cutter makes contact with the green surface due to the uneven undulations.



### LIGHT

Safely cut grass during the morning or evening.



### HANDLE

Baroness offers optional handles to fit every operator's preference.



Straight handle



Drop handle



Straight handle (Type:S)



Drop handle (Type:S)



Loop handle



# LM56GC & LM66TC

## SPECIFICATIONS



Model		LM18GB	LM56GB	LM66GB	LM66TB
Dimensions	Total length   with grass catcher	139 cm	141 cm	141 cm	141 cm
	Total width   without travelling wheel	84 cm	94 cm	103 cm	103 cm
	Total length   steering handle	115 cm	103 cm	103 cm	103 cm
Weight	Main unit   without grass catcher and travelling wheels	94.4 kg	90.0 kg	95.2 kg	95.2 kg
	Grass catcher	3.1 kg	3.3 kg	3.6 kg	3.6 kg
	Groomer	3.0 kg	4.0 kg	4.0 kg	-
	Travelling wheel (for one machine)	6.9 kg	6.9 kg	6.9 kg	6.9 kg
Engine	Model	Subaru EX13D			
	Type	Air-Cooled, 4-Cycle, Slant Single-Cylinder, Horizontal P.T.O. Shaft, OHC Gasoline Engine			
	Total Displacement	7.69 cu.in.   126 cm <sup>3</sup> (0.126 L)			
	Maximum output	3.2 kW (4.3 PSI)/4,000 rpm *1			
Fuel Tank Capacity		Petrol 2.3 litres			
Operating width		45.7 cm	55.7 cm	64.6 cm	64.6 cm
Operating height		0.079 - 1.122 in   2.0 - 28.5 mm			
Blades		11	9 (option), 11	9, or 11	7, 9, or 11
Drive		Mechanical			
Speed (Mechanical)		4.8 km/h @ 3,000 rpm			
Efficiency		0.4 acres/hour (2.98 mph x mowing width x 0.8) 1,755 m <sup>2</sup> /h (4.8 km/h x mowing width x 0.8)	0.5 acres/hour (2.98 mph x mowing width x 0.8) 2,139 m <sup>2</sup> /h (4.8 km/h x mowing width x 0.8)	0.6 acres/hour (2.98 mph x mowing width x 0.8) 2,481 m <sup>2</sup> /h (4.8 km/h x mowing width x 0.8)	0.6 acres/hour (2.98 mph x mowing width x 0.8) 2,481 m <sup>2</sup> /h (4.8 km/h x mowing width x 0.8)
Tire Size		4.10/3.50-6			

The factory default maximum engine rpm is 3,400rpm.

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**For Earth, For Life**  
**Кубота**