

# Professional Cordless Garden Tools

**Bosch  
battery  
system**



powered by  
**Li-Ion**  
technology



2015 Catalogue.



**BOSCH**

Invented for life



# The future of professional garden tools: Breaking new ground.

**When we asked our customers what they were looking for in a lawnmower, the response was clear:** “A lawnmower that performs like a petrol-powered model but with less noise.”

In keeping with our innovative spirit, we were happy to take on this challenge. We went back to the drawing board to start planning – examining every last detail of what users wanted. Using our pioneering Bosch battery system, we have been able to develop lawnmowers that perform just as well as petrol-powered lawnmowers – but generate only half the noise.

**Problem:** Conventional petrol motors need servicing and are not very energy efficient.

**Bosch Solution:** Bespoke Bosch EC brushless motors do not need servicing and are more energy efficient.







**Problem:** The speed of a petrol-powered lawnmower is not easy to adjust.

**Bosch Solution:** The new twist grip throttle is conveniently positioned to allow for a smooth and comfortable change of speed, based on innovative electronic motor technology.

**Problem:** Other battery-powered garden tools are not suitable for use in all weather conditions.

**Bosch Solution:** A weatherproof battery that can be used in all weather conditions.

**Problem:** The performance of conventional battery-powered garden tools does not meet the high standards of professional gardeners.

**Bosch Solution:** Thanks to the unique 36 V 6.0 Ah LI battery system, Bosch's new professional cordless garden tools offer the same levels of performance and endurance as products with petrol engines.

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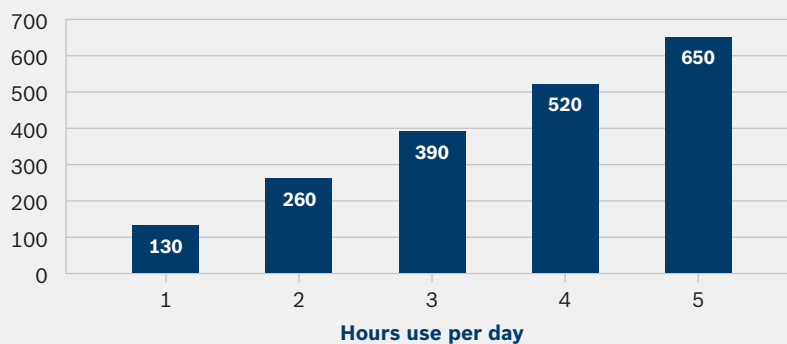


# Making petrol a thing of the past: **Introducing the new high-performance 36 V 6.0 Ah LI battery.**

**Welcome to a new petrol-free era.** Thanks to the new Bosch 36 V lithium-ion battery system, professional gardeners can wave goodbye to loud, noisy mowers that guzzle expensive fuel. What's more, every cordless professional Bosch lawnmower comes with various innovative features, **leaving petrol-powered mowers trailing way behind.**

## Lawnmower Energy Savings

### Savings per year (£)



**Assumptions:** Petrol price: £ 1.07/l, electricity costs: £ 0.10/kWh, energy prices assumptions are excluding VAT. To cut the lawn 1 hour, energy required is 650 ml petrol or 2 battery recharges (= 2 x 216 Wh). Cutting conditions: dry grass, height 6–4 cm. Calculated on 200 working days in a calendar year. GRA 53 & Petrol equivalent.



## Yesterday



### No petrol needed:

Enjoy the performance of battery-powered lawnmowers

## Today



### Reduced noise:

Generating just 92 dB\*, they are suitable for use in noise-sensitive areas



### No polluting exhaust fumes:

Thanks to purely electrical battery power



### Less vibration:

Electric motors run with very low vibration, for comfortable all day use



### Easier to start:

Thanks to a simple push button



### Energy savings costs:

Save £ 1.95 per day!  
See your investment pay off  
(see page 4)\*\*



### No servicing necessary for motors:

The EC brushless motors do not need servicing



\* Sound power level applies to the Bosch professional lawnmower GRA 53.

\*\* Assumption: Duration of use – three hours per day.



# There's no battery quite like the new Bosch battery.

The new 36 V 6.0 Ah LI Bosch battery is a prime example of the power of innovation.

With more than 90 years' experience in battery development, it's no surprise that Bosch is now setting new standards in performance and run time for cordless garden tools.

**Traditional lithium-ion battery**

Low constant flow of energy from battery to motor

Standard motor performance

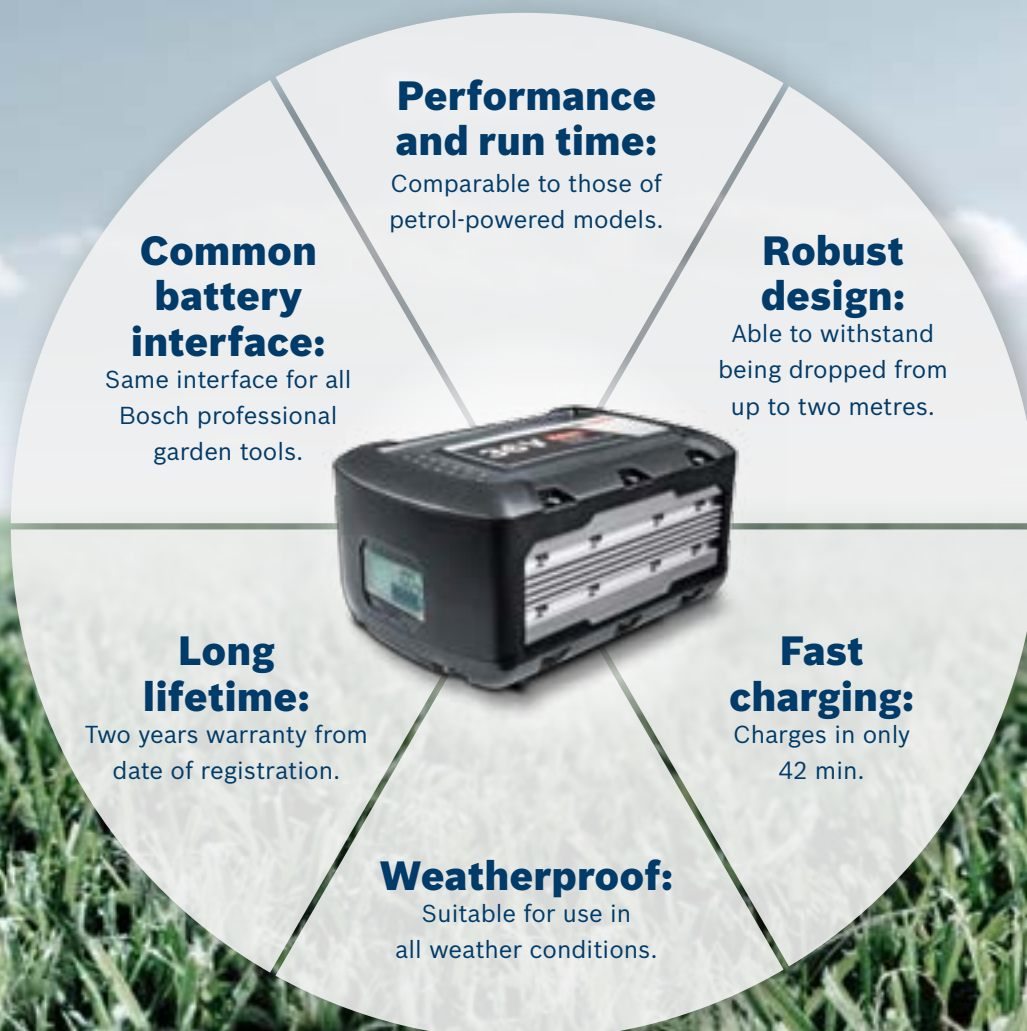
**Bosch 36 V 6.0 Ah LI battery**

High constant flow of energy from battery to motor

Consistently strong motor performance

**Powerful, intelligent, durable:**

The new Bosch professional battery features innovative 'cool pack' temperature management via the aluminium cooling fins. Heat is transported from inside the battery to the outside to protect the cells. In contrast to typical batteries, the cooling of the battery allows for constant higher energy transmission to the motor, as the battery does not easily overheat.

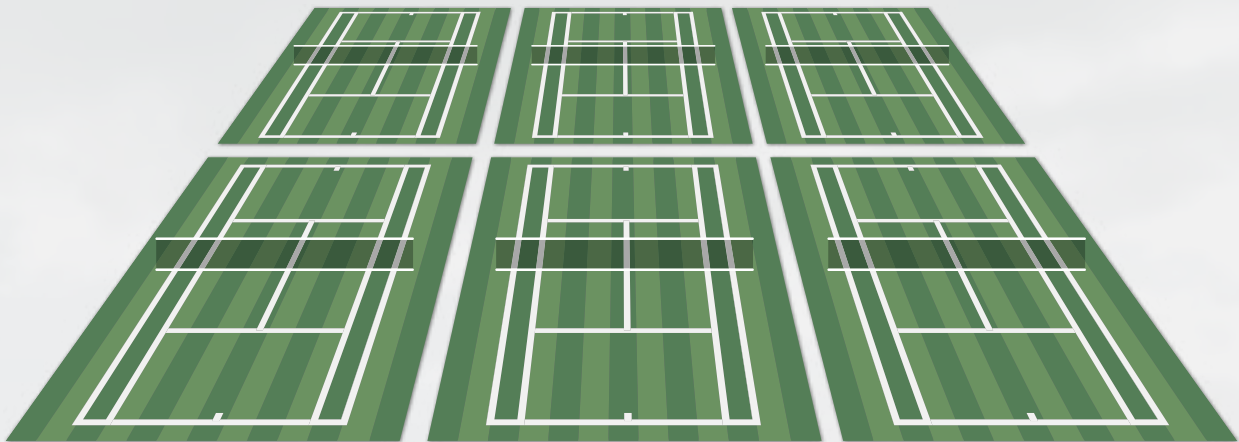


# Petrol performance – half the noise!

Through Bosch's rigorous design process, we can deliver the power and performance that professionals expect.

## Battery performance compared with petrol performance

**1,500 m<sup>2</sup>/h**



The new Bosch GRA 53 Professional lawnmower cuts the same area of grass (1,500 m<sup>2</sup>/h – approx. 6 times the size of a tennis court) in the same time as an equivalent 53 cm petrol lawnmower.

Petrol performance. Comparison based on a Bosch GRA 53 and leading petrol competitors (Cutting Conditions: dry grass, height 6–4 cm, area: 1,500 m<sup>2</sup>). Full details can be found at [www.bosch-professional.com](http://www.bosch-professional.com).

## Battery noise emission compared to petrol noise emission

Conventional petrol lawnmower



95

Bosch GRA 53 Professional cordless lawnmower



92

dB (A)

**Nobody likes a noisy lawnmower.** The Professional cordless lawnmower is half as loud at sound power level (92 dB) as its petrol equivalents (95 dB) – 3 decibels represents a 50% reduction in noise. This is ideal for working in noise-sensitive areas for extended periods of time.







# The secret behind our new battery system: **Innovative technology.**

The new Bosch 36V 6.0Ah LI battery system for professional garden tools comes with various innovative features: **1** A weatherproof design, enabling use even in heavy rain. **2** An integral LCD display showing all important information at a glance. **3** An intelligent battery cooling system to ensure a high, constant flow of energy to the electric motor. **4** Charging time of just 42 minutes.



## **NEW! Bosch AL 36100 CV Professional**

- **Fast charging:** 10A charger
- **Weatherproof:** Suitable for use in all weather

Technical details	AL 36100 CV
Output current	10 A
Input power	460 W
Output voltage	36 V
Charging time	100% (42 min.); 80% (30 min.)
Weight	3.7 kg
Usage	All weather
Part no.	1.600.A00.1GC
Price	£ 169 (excluding VAT)

## **NEW! Bosch GBA 36V 6.0Ah Hw-D Professional**

- **Large capacity:** 36V 6.0Ah LI battery
- **Aluminium cooling fins:** For a long lifetime
- **Weatherproof:** Suitable for use in all weather

Technical details	GBA 36V 6.0Ah Hw-D
Rated voltage	36 V
Rated capacity	6.0 Ah
Rated energy content	216 Wh
Single cell monitoring	Yes
Weight	2.3 kg
Usage	All weather
Drop resistance	2 m
Part no.	2.607.336.065
Price	£ 299 (excluding VAT)

Typical non-sealed battery



Bosch weatherproof battery



**Grass may come in different grades of quality – but the new Bosch 36V 6.0Ah LI battery only comes in the best quality.** The battery cells are sealed, making it suitable for use in all types of weather.







# Leaving petrol-powered mowers in the dust: The new Bosch lawnmowers.

**Mowing the lawn used to be strenuous but now it's breathtakingly easy** thanks to the new Bosch 53 cm and 48 cm Professional cordless lawnmowers. **1** Two 36 V batteries ensure high performance and a long run time. **2** The independent land drive system enables easy control of the machine, even when not cutting. **3** The one-handed height adjustment lever allows for quick adjustments for all lawn conditions (20–70 mm). **4** The optimized blade, air flow and grass bag are all designed to ensure more efficient cutting and collection. **5** A mulching kit is also available as an accessory.

**Find out more about the accessories on pages 16–17.**

## **NEW! Bosch GRA 48 Professional (48 cm)** **and Bosch GRA 53 Professional (53 cm)**

- ▶ **Cast aluminium alloy deck:**  
For robust performance
- ▶ **Weatherproof design:**  
Suitable for use in all conditions
- ▶ **Professional, brushless EC motors:**  
Powerful, robust and highly efficient.  
No servicing required
- ▶ **Quiet (just 92 dBA):**  
For use in noise-sensitive areas



Technical details	GRA 48 Professional
Power	2 x 36 V (6.0 Ah) LI battery
Battery power	2 x 216 Wh
Cutting width	48 cm
HOC range	20–70 mm
Land drive speed	2.6–5 km/h
Grass box capacity	69 L
Weight	47.5 kg
Wheel diameter (F/R)	225/225 mm
Sound pressure level <sup>1</sup>	67 dB(A)
Guaranteed sound power level <sup>1</sup>	91 dB(A)
Vibration level <sup>2</sup>	0.59 m/s <sup>2</sup>
Estimated run time	45–60 min.**
Part no.	0.600.911.001
Price	£ 999 (excluding VAT)***

Technical details	GRA 53 Professional
Power	2 x 36 V (6.0 Ah) LI battery
Battery power	2 x 216 Wh
Cutting width	53 cm
HOC range	20–70 mm
Land drive speed	2.6–5 km/h
Grass box capacity	75 L
Weight	48 kg
Wheel diameter (F/R)	225/225 mm
Sound pressure level <sup>1</sup>	67 dB(A)
Guaranteed sound power level <sup>1</sup>	92 dB(A)
Vibration level <sup>2</sup>	1.2 m/s <sup>2</sup>
Estimated run time	45–60 min.**
Part no.	0.600.911.000
Price	£ 1,099 (excluding VAT)***

\* Registration within 4 weeks of purchase at [www.bosch-professional.com/warranty](http://www.bosch-professional.com/warranty). \*\* Depends on cutting conditions. \*\*\* Price for product only, excludes battery and charger.

<sup>1</sup> K factor according to Dir. 2006/42/EC = 1.5 dB(A). <sup>2</sup> K factor according to Dir. 2006/42/EC = 1.5 m/s<sup>2</sup>.







# Cutting-edge technology:

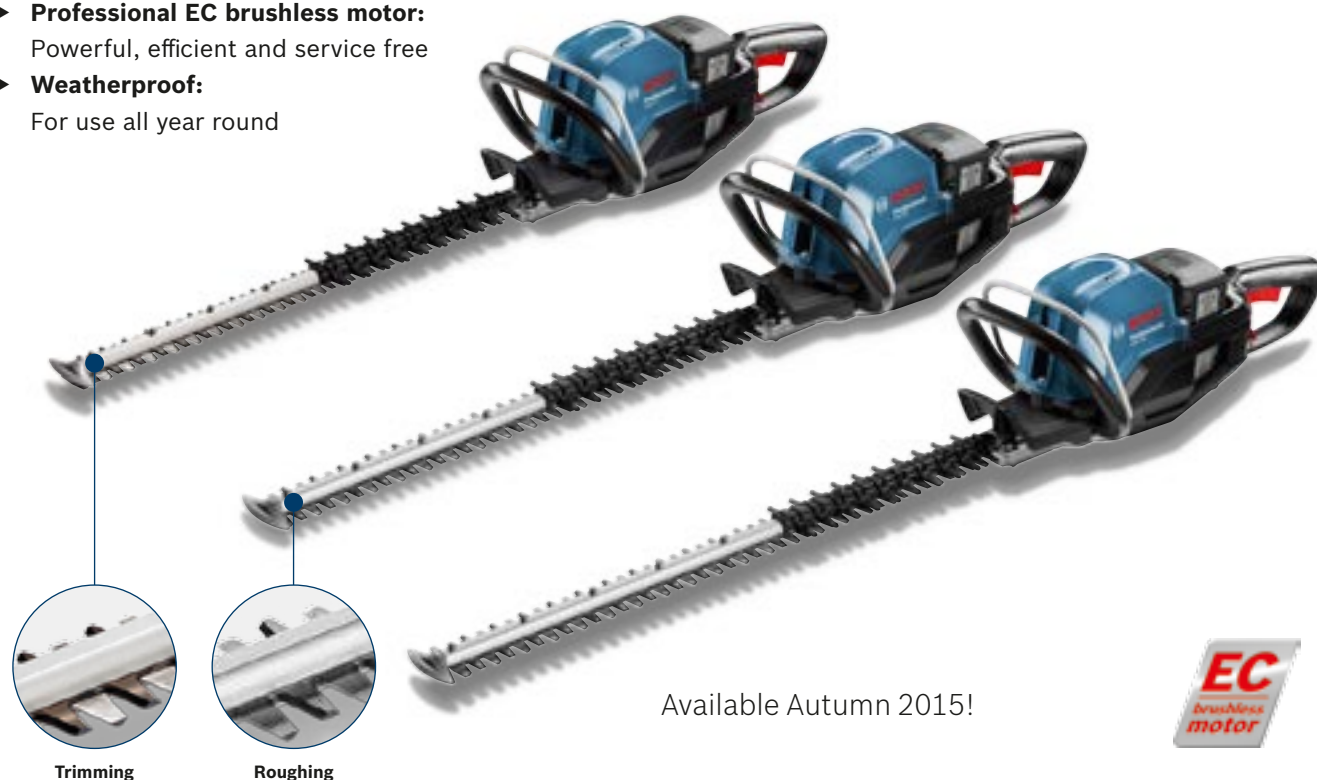
## The new Bosch hedgecutter range.

**Bosch cordless hedgecutters are designed to last.** Three models are available, which all feature a magnesium chassis and weatherproof system to guarantee an extended lifespan.

❶ A roughing blade (GHE 70R, GHE 60R) for hard cutting – for use at the start of the season. ❷ A trimming blade (GHE 60T) for use on more delicate hedges where closer trimming is required. ❸ The ergonomic front handle ensures a comfortable grip for precision work over extended periods. ❹ High-quality carbon steel blades stay sharper for longer, extending the lifespan of the tool. ❺ The optional beltpack is ideal for extended use. **Find out more about the accessories on pages 16–17.**

**NEW! Bosch GHE 60T Professional (Trimming), GHE 60R Professional and GHE 70R Professional (Roughing)**

- ▶ **Robust magnesium chassis and bale bar:**  
Designed for use in all conditions
- ▶ **Professional EC brushless motor:**  
Powerful, efficient and service free
- ▶ **Weatherproof:**  
For use all year round



Available Autumn 2015!

Technical details	Bosch GHE 60T Professional	Bosch GHE 60R Professional	Bosch GHE 70R Professional
Power	36 V (6.0 Ah) LI battery	36 V (6.0 Ah) LI battery	36 V (6.0 Ah) LI battery
Battery power	216 Wh	216 Wh	216 Wh
Cutting length	600 mm	600 mm	700 mm
Tooth pitch	30 mm	35 mm	35 mm
Tooth opening	23 mm	28 mm	28 mm
Weight (without batteries)	5.1 kg	5.1 kg	5.3 kg
Handle rotation	+90°, 0°, -90°	+90°, 0°, -90°	+90°, 0°, -90°
Ground angle	45°	45°	45°
Part no.	0.600.912.001	0.600.912.000	0.600.912.002

\* Registration within 4 weeks of purchase at [www.bosch-professional.com/warranty](http://www.bosch-professional.com/warranty).

\*\* Price for product only, excludes battery and charger.







# Quiet yet powerful: The new Bosch cordless brushcutters.

**Two models are available: a quiet line for light to medium vegetation, and a metal blade for medium to dense vegetation.** ① The powerful direct EC motor in the head of the tool, combined with a wide range of cutting accessories, provides the high-performance, all-purpose tool that professionals need in their day-to-day work. ② A well balanced design complimented by low noise and negligible vibration allows for extended usage. ③ Intuitive power control at your fingertips. **We offer a wide range of cutting accessories for all types of habitats – please see pages 16–17 for more information.**

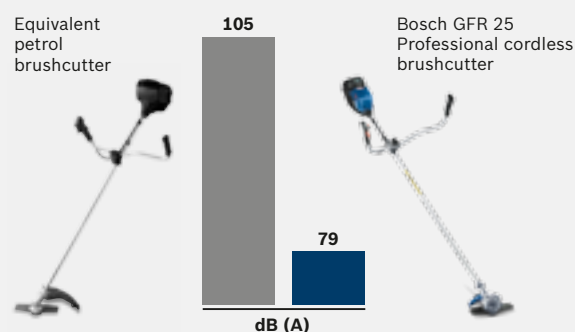


**NEW! Bosch GFR 42 Professional (quiet line) and GFR 25 Professional (metal blade).**

- ▶ **Low vibration (less than 2.5 m/s<sup>2</sup>):**  
For comfortable all day usage
- ▶ **Professional EC brushless motor:**  
Powerful, efficient and no servicing required
- ▶ **Weatherproof:**  
For use all year round
- ▶ **Quiet – just 79 dBA (metal blade):**  
Suitable for use in noise-sensitive areas

Technical details	GFR 25 Professional	GFR 42 Professional
Power	36V (6.0Ah) LI battery	36V (6.0Ah) LI battery
Battery power	216 Wh	216 Wh
Cutting width	25 cm	42 cm
Cutting head type	2-tooth metal blade	Bump head with 4.6 m x 2.4 mm quiet line
Handle type	Bike	Bike
Weight	6.5 kg	6.5 kg
Sound pressure level <sup>1</sup>	68 dB(A)	81 dB(A)
Guaranteed sound power level <sup>1</sup>	79 dB(A)	93 dB(A)
Vibration level <sup>2</sup>	< 1.8 m/s <sup>2</sup>	< 0.8 m/s <sup>2</sup>
Estimated run time	75–90 min.**	40–60 min.**
Part no.	0.600.913.000	0.600.913.001
Price	£ 549 (excluding VAT)***	£ 549 (excluding VAT)***

## Same performance – different sound



A petrol brushcutter with a metal blade typically operates at a sound power equivalent to a demolition hammer (105 dB). The Professional cordless brushcutter with metal blade operates at a level similar to a modern vacuum cleaner (79 dB).











\* Registration within 4 weeks of purchase at [www.bosch-professional.com/warranty](http://www.bosch-professional.com/warranty). \*\* Depends on cutting conditions. \*\*\* Price for product only, excludes battery and charger.

<sup>1</sup> K factor according to Dir. 2006/42/EC = 3.0 dB(A). <sup>2</sup> K factor according to Dir. 2006/42/EC = 1.5 m/s<sup>2</sup>.






# The accessories.

























We offer a broad range of lawnmower and brushcutter accessories to complement your Bosch professional cordless tools, whatever the conditions or requirements. Find out more in store or online at [www.bosch-professional.com](http://www.bosch-professional.com).

Cutting system	Area of application			
	Grass	Light vegetation	Dense vegetation	Bushes, small trees
				
	2.4 mm line			
	2.7 mm line			
	3.0 mm line			
Poly blade head 				
2-tooth blade 				
3-tooth blade 				
4-tooth blade 				
8-tooth blade 				
22-tooth blade 				
80-tooth blade 				

## Other available accessories

Battery belt	Mulching kit	Comfort harness
Robust and convenient belt for carrying batteries. For use with hedgecutters (see page 13).	Easy to install. For use with lawnmowers (see page 11).	Comfortable and adjustable. For use with brushcutters (see page 15).
		
Sales part no.: F.016.800.453	Sales part no.: F.016.800.376 (53 cm) F.016.800.433 (48 cm)	Sales part no.: F.016.800.410



Product overview								
Product		Used with	Guard	Sound pressure level (dB(A))	Guaranteed sound power level (dB(A))	Vibration level (m/s <sup>2</sup> )	Sales part no.	Weight (kg)
Brushcutter accessories								
	Bump line feed head c/w line	–	Mowing guard	81	93	0.8	F.016.800.389	0.340
	Quiet line (2.4 mm x 30 m)	Bump line feed head	Mowing guard	81	93	0.8	F.016.800.390	0.157
	Quiet line (2.4 mm x 90 m)	Bump line feed head	Mowing guard	81	93	0.8	F.016.800.391	0.457
	Quiet line (2.4 mm x 260 m)	Bump line feed head	Mowing guard	81	93	0.8	F.016.800.392	1.340
	Quiet line (2.7 mm x 24 m)	Bump line feed head	Mowing guard	78	89	< 2.5	F.016.800.393	0.157
	Quiet line (2.7 mm x 70 m)	Bump line feed head	Mowing guard	78	89	< 2.5	F.016.800.394	0.457
	Quiet line (2.7 mm x 206 m)	Bump line feed head	Mowing guard	78	89	< 2.5	F.016.800.395	1.340
	Quiet line (3.0 mm x 166 m)	Bump line feed head	Mowing guard	85	96	< 2.5	F.016.800.398	1.404
	Poly blade head	–	Mowing guard	76	88	< 2.5	F.016.800.399	0.280
	Poly blade	Poly blade head	Mowing guard	76	88	< 2.5	F.016.800.400	0.008 (per blade)
	Blade (2-tooth)	–	Metal blade guard	68	79	1.8	F.016.800.387	0.197
	Blade (3-tooth)	–	Metal blade guard	69	80	1.1	F.016.800.401	0.500
	Blade (4-tooth)	–	Metal blade guard	69	82	1.9	F.016.800.402	0.402
	Blade (8-tooth)	–	Metal blade guard	70	81	1.3	F.016.800.403	0.196
	Saw-blade (22 teeth)	–	Saw blade guard	78	94	2.4	F.016.800.404	0.361
	Saw-blade (80 teeth)	–	Saw blade guard	81	93	2.2	F.016.800.405	0.35
	Saw blade guard	Saw blades	–	–	–	–	F.016.800.408	0.117
	Metal blade guard	Blade	–	–	–	–	F.016.800.407	0.105
	Mowing guard	Quiet line	–	–	–	–	F.016.800.406	0.233
	Transport guard	All	–	–	–	–	F.016.800.409	0.180
	Multi-tool kit	–	–	–	–	–	F.016.800.411	0.227
	Cutting blade adapter kit	–	–	–	–	–	F.016.800.412	0.137
Lawnmower accessories								
	Mulching blade kit		–	69	90	1.2	53 cm: F.016.800.388	0.97
							48 cm: F.016.800.435	
	Lawnmower blade kit		–	67	92	1.2	53 cm: F.016.800.375	0.85
							48 cm: F.016.800.434	



# The professional cordless garden tool range.

The Bosch range of professional cordless garden tools caters for every need. Each tool is compatible with our powerful and waterproof battery and charger, which means a wide spectrum of products can be used in a variety of applications.

Product	General description	
<b>Lawnmowers</b> For full details see page 11 	<b>Weight</b>	47.5 – 48 kg
	<b>Sound power level</b>	91 – 92 dB(A)
	<b>Vibration level</b>	1.2 m/s <sup>2</sup>
	<b>Cutting variants</b>	48 cm; 53 cm
<b>Hedgecutters</b> For full details see page 13 	<b>Weight</b>	5.1 – 5.3 kg
	<b>Cutting length</b>	600 – 700 mm
	<b>Tooth pitch</b>	23 – 28 mm
	<b>Handle rotation</b>	+90°, 0°, –90°
Available Autumn 2015		
<b>Brushcutters</b> For full details see page 15 	<b>Weight</b>	6.5 kg
	<b>Sound power level</b>	79 – 93 dB(A)
	<b>Vibration level</b>	< 2.5 m/s <sup>2</sup>
	<b>Cutting variants</b>	25 cm; 42 cm
<b>Battery</b> For full details see page 9 	<b>Rated voltage</b>	36 V
	<b>Rated capacity</b>	6.0 Ah
	<b>Rated energy content</b>	216 Wh
	<b>Weight</b>	2.3 kg
<b>Charger</b> For full details see page 9 	<b>Output current</b>	10 A
	<b>Input power</b>	460 W
	<b>Charging time</b>	100% (42 min.); 80% (30 min.)
	<b>Weight</b>	3.7 kg

Also available: **AL 3620 CV** – overnight charger (200 min. charge time) – **Sales part no.:** F.016.800.436



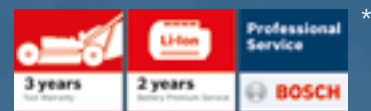
# Three-year warranty: The Bosch guarantee.

Professional Bosch garden tools, lithium-ion batteries and chargers are designed to meet the highest quality standards. To ensure this level of quality lasts, we offer a special service package – and it's free.



**Three-year warranty.** This applies to all Bosch 36V professional cordless garden tools, including lawnmowers, hedgecutters and brushcutters.

**2-year Premium Service for batteries and chargers.** This applies to the Bosch lithium-ion batteries including chargers. If a defect occurs on a registered battery or charger during the term of the Battery Premium Service due to a material or manufacturing fault, Bosch will replace it.



All you have to do is **register your tool, battery or charger online within four weeks of purchase.** The term of the warranty or service begins on the date of purchase. More information can be found in the relevant warranty conditions or terms and conditions of participation online at **[www.bosch-professional.com/warranty](http://www.bosch-professional.com/warranty)**.

\* Registration within 4 weeks of purchase at [www.bosch-professional.com/warranty](http://www.bosch-professional.com/warranty).



# Setting new standards: The Bosch battery system for professional garden tools.

The introduction of our new Bosch battery system offers gardening professionals the alternative to petrol that they've been waiting for. For the first time, battery-powered tools offer the same performance as petrol-powered tools – with the added benefit of 50 % less noise. We are also going one step further: our customers can use the same high-energy battery to power all current and future Bosch professional garden tools. **Full details of the Professional product range can be seen on page 18.**



3 years tool warranty for all professional blue power tools.  
2 years Battery Premium Service for all professional blue Bosch lithium-ion batteries including chargers.  
Registration within 4 weeks of purchase at [www.bosch-professional.com/warranty](http://www.bosch-professional.com/warranty)

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