

**Battery Power
Made by STIHL**

Lithium Ion
Lithium Ion COMPACT
Lithium Ion PRO





Battery power – made by STIHL

Designed to do the hard work for you.

Whether in your own garden or in professional applications, with battery technology from STIHL you can take on any challenge. The new cordless tools offer powerful performance, as well as being quiet and easy to use. All STIHL products are designed and built using the extensive experience we have gained in more than 90 years of manufacturing power tools. This ensures every tool provides the perfect blend of power and ergonomics. That's why more and more users rely on battery power – made by STIHL.



Powerful yet quiet



Technology that inspires

- Powerful lithium-ion batteries
- Highly efficient due to perfectly matched components
- Innovative EC motor for consistently high performance



Quality that pays

- High-quality battery technology and components, which hold over 90 years of experience in motor engineering
- First-class workmanship and excellent durability according to STIHL professional standards



Versatile enough to meet any needs

- A model for everyone - from the home gardener to the professional
- Flexible battery systems with a wide range of accessories for simply any task

Only from the dealer:

Battery Power – made by STIHL is only available from your STIHL dealer. You can find your dealer at

http://www.stihl.com.au/dealer-locator.aspx?dealer_search

You're always in the right place at STIHL

The right product line can be found here.



STIHL Battery products for smaller gardens

STIHL battery products for home gardeners provide just the support you need. The integrated batteries ensure quick, easy handling and deliver the right degree of power. Small, spur-of-the-moment jobs in the garden are so much easier.

// Find out more on page 6.



The STIHL COMPACT battery power system for medium-sized and larger gardens

Your garden is your personal project. The tools used here must meet high standards, with regard to both power and operation. The STIHL COMPACT battery system offers just this mix. With STIHL quality performance and a flexible tool system, you can overcome any challenge.

// Find out more on page 12.



The STIHL PRO battery power system for professional applications

Trimming, cutting and sawing are not only your personal passion, but also your job. When you're working, you need maximum performance and a long battery life. A professional battery product is also the best choice if noise sensitivity is essential. With the PRO battery system, STIHL offers a wide range of products for professional needs.

// Find out more on page 22.

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Key

The following symbols describe the performance features of the relevant models:



STIHL EC technology

The brushless electric motor (EC) from STIHL is energy-efficient and virtually wear-free, thanks mainly to the upstream STIHL EC electronics. As an intelligent control centre it always detects the battery inserted in the tool and supplies the EC motor with the correct power for the battery. This ensures that optimal power is always supplied to the tool – consistently throughout the entire battery discharge process.



Use in the rain

STIHL battery power tools with this symbol can also be used in the rain. Indications on the device and in the user manual must also be taken into account. Please note that rain, mist and other dampness may differ in intensity, and the tools cannot be used in extreme conditions. Keep the batteries out of salty environments and away from contaminated liquids. Dry the battery and tool after use. In general, chargers may only be used in dry areas.



Use without ear protection

The battery technology means that these tools are the perfect solution for noise-sensitive areas such as hospital gardens, parks and residential areas. Follow the instructions in the user manual.



Replacement battery

With the STIHL battery systems' replaceable lithium-ion batteries, you never lose power during work: simply insert the charged second battery and carry on working.

STIHL battery power
for smaller gardens

Lithium-Ion



Everyone has different preferences when it comes to creative garden design. One thing is clear: easy manoeuvrability is paramount for anyone passionate about gardening. You can rely 100% on STIHL battery products. Developed especially for working in small gardens, the brushcutter, hedge trimmer and blower are easy to operate and ready for use immediately, thanks to the integrated battery. It's just the thing you need when your passion for gardening draws you outdoors.



There are so many ways to enjoy gardening!



Extremely quiet – keep the neighbours happy.

Charge, switch on, get started!

With the new STIHL battery products, you can get started at any time. Whether you want to cut back hedges, clear leaves or mow the lawn – with the long-lasting lithium-ion batteries, our quiet garden helpers always have enough power. Perfect for all those outdoor jobs at home!

Lithium-Ion

1 HSA 25 Lithium-Ion



2 HSA 45 Lithium-Ion



NEW



The control display gives you a constant overview of your tool's charging status.

1 HSA 25 // Battery shears for trimming smaller hedges and ornamental trees. Double-stroke blade for strong cutting and low vibration, grass-cutter attachment for cutting lawn edges on the terrace, flowerbed and around the edge of the house. For working close to the ground, we recommend the use of the telescopic shaft. (The battery only fits the HSA 25.)

2 HSA 45 // Lightweight battery hedge trimmer with good cutting performance for trimming twigs and thin branches. Single-sided double-stroke blade, integrated cut protection, screw-on tip protection and integrated battery with charge level indicator.



3 **BGA 45** 

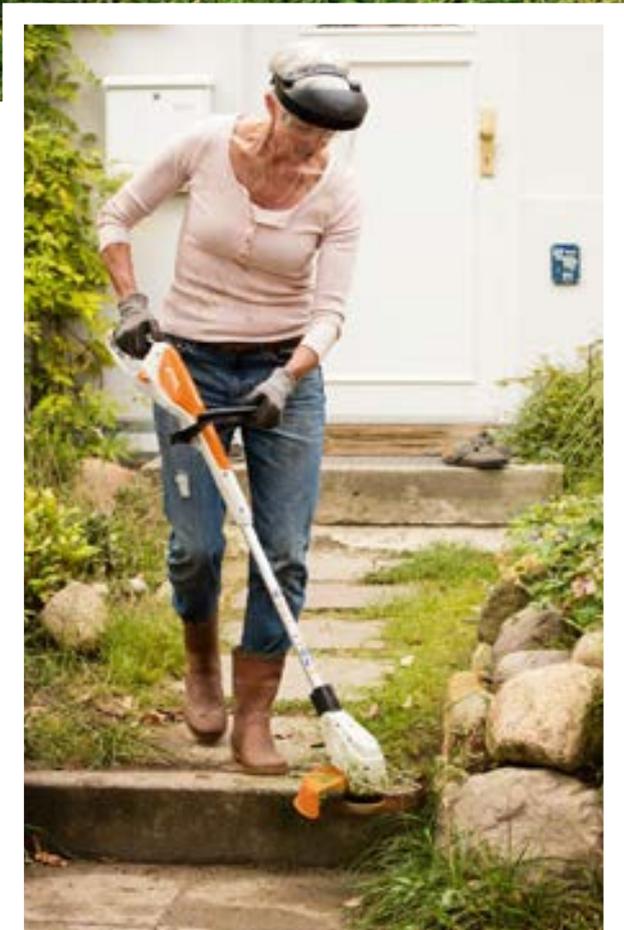
NEW



3 **BGA 45 // A handy battery blower for cleaning small areas in your outdoor space.** Round nozzle, easy to use, integrated battery with charge level indicator.



The HSA 25 is also suitable for particularly dense, fine flaky shrubs.



4 // FSA 45  Lithium-Ion

NEW



4 FSA 45 // Compact battery brushcutter for easy trimming and clearing work. Shaft and handle that can be adjusted without the need for tools, adjustable mowing unit working angle, for vertical edge trimming and other tasks. PolyCut blade included. Possible to switch to mowing lines without need to change the mowing head, spacer bracket, integrated battery with charge level indicator.



It's quick and easy to change the replacement blade.

Battery ranges^① (example usage)

HSA 25



When trimming boxwood, up to ... balls



30 balls

HSA 45



Up to ... m² of hedge



80 m²

BGA 45



Up to ... m² of dry leaves on asphalt



200 m²

FSA 45



Up to ... m of lawn edges/
up to ...m² of lawn



250 m/50 m²

① Battery life durations and area specifications are estimates, and may vary depending on how the tool is being used and what is being cut.

STIHL COMPACT battery power system
for larger gardens

Lithium-Ion
COMPACT



Do you love demanding challenges in your own garden? Then the STIHL battery power system COMPACT is the right choice for you. The battery has enough power to deal with your hedge, lawn or leaves. And the best thing is that with all the performance of STIHL, these quiet powerhouses are still astonishingly lightweight – so you can relax and meet any challenge.



Ready for the challenge.



Leaves trimmed. Wood sawn.
Lawns maintained. Hedges cut. And
you are more relaxed than ever.



A system with plenty of options.

Ambitious gardeners will enjoy the STIHL battery power system COMPACT. Within the system, the compact battery fits every tool, from the hedge trimmer to the brushcutter, you can comfortably complete all your tasks with a battery that's easy to replace when you need to.



Replacement battery: The battery is loaded externally and then secured in the battery shaft. The standardised shape of the AK batteries and the battery shaft mean that every AK battery can be used for any COMPACT tool – and a single battery can be used for several tools.



AK // Lightweight lithium-ion battery with charge level indicator (four LEDs). Compatible with the STIHL battery power system COMPACT. Available in three different capacities: AK 10, AK 20 and AK 30.

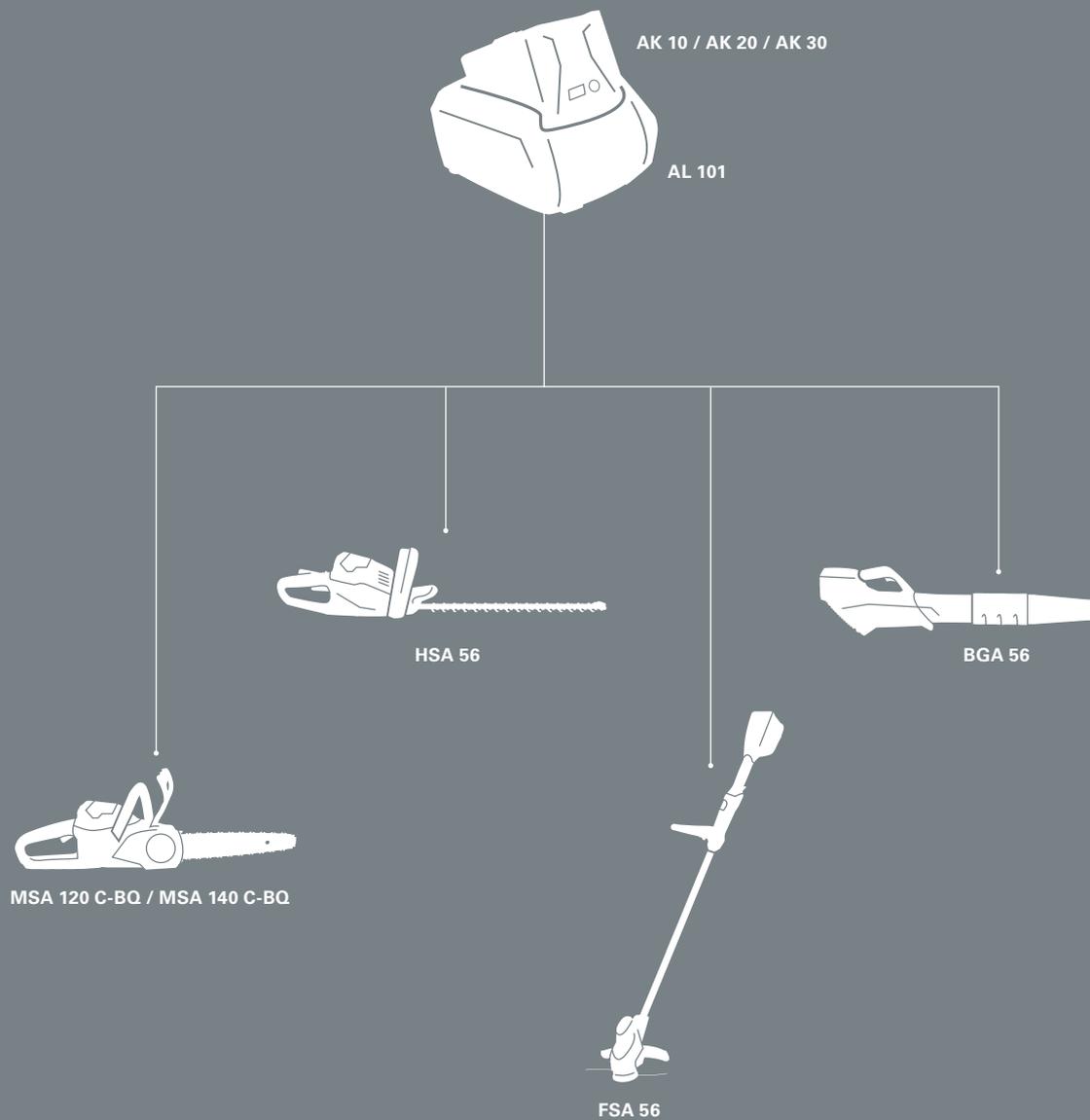


AL 101 // Standard charger with operating mode indicator (LED) and passive battery cooling. 230 V. Compatible with STIHL AP and AK batteries. Cord wrap with Velcro. Wall mounting possible.



One tool for everything.

One battery, one system, unique in application.



The replaceable lithium-ion AK battery for the STIHL battery power system COMPACT boasts consistent performance – even when working on large areas.

Another particularly practical feature is that all batteries can be easily combined with any AK charger and any COMPACT tool. Gardening can be so easy!

1 // MSA 120 C-BQ



NEW

2 // MSA 140 C-BQ



NEW

1 MSA 120 C-BQ // Lightweight battery chainsaw for grounds maintenance. Soft handle, easy chain change thanks to STIHL Quick Chain Tensioning, QuickStop Super chain brake, oil tank with transparent viewing window, PM3 1/4" saw chain.

2 MSA 140 C-BQ // Lightweight battery chainsaw with high cutting performance for simple DIY tasks. 25% more cutting power than the MSA 120 C-BQ. Soft handle, easy chain change thanks to STIHL Quick Chain Tensioning, QuickStop Super chain brake, oil tank with transparent viewing window, PM3 1/4" saw chain.



With a second battery, you're ready for even longer periods of use.





***Clean
performance –
cutting and emissions.***



The narrow cutting kerf and low vibration make for extremely accurate cuts.



Our
power packs
have never been this quiet.

3 HSA 56



NEW



4 BGA 56



NEW



- 3 HSA 56 // Very lightweight battery hedge trimmer with high cutting performance, for trimming hedges and bushes around the garden.** Single-sided cutting blade, 30 mm tooth spacing, integrated cut protection, screw-on tip protector, two-hand control for safe handling during operation.
- 4 BGA 56 // Ergonomic battery blower with streamlined design for low-fatigue operation close to the body.** Round nozzle, soft handle, good weight distribution, three-level length-adjustable blower tube for optimum implementation of blowing force during use.



With the adjustable blower tube, you can adapt the tool perfectly to fit the user's height.

5 // **FSA 56**   **Lithium-Ion COMPACT**

NEW



When the anchorage engages audibly, the battery is securely fixed.

5 FSA 56 // Lightweight battery brushcutter with high mowing performance. 280 mm cutting circle diameter, soft handle, tool-free adjustment of the handle, infinitely adjustable shaft length, mowing lines which can be automatically adjusted by tapping the mowinghead on the ground.

Accessories: lid for AK battery shaft



NEW

For covering the battery shaft of battery tools in the STIHL battery power system COMPACT range. Protects against dust and dirt during longer periods of storage.

powerful options

to suit your garden needs





Battery ranges ^② (example usage)		AK 10	AK 20	AK 30
MSA 120 C-BQ				
	When sawing timber (10 x 10 cm) up to ... cuts 	40 cuts ^③	100 cuts	150 cuts
MSA 140 C-BQ				
	When sawing timber (10 x 10 cm) up to ... cuts 	40 cuts ^③	100 cuts ^③	180 cuts
FSA 56				
	Up to ... m of lawn edges/ up to ...m ² of lawn 	500 m/100 m ²	1,000 m/200 m ²	1,500 m/300 m ²
HSA 56				
	Up to ... m ² of hedge 	140 m ²	280 m ²	420 m ²
BGA 56				
	Up to ... m ² of dry leaves on asphalt 	300 m ²	600 m ²	900 m ²

② The battery life durations and area specifications are estimates, and may vary depending on how the tool is being used and what is being cut.

③ Reduced tool performance

STIHL Battery Power
System PRO



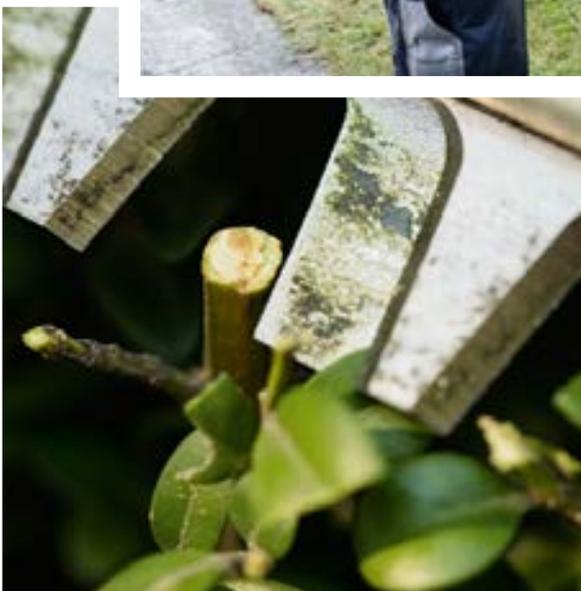
**Strong, quiet,
professional.**



When working in noise-sensitive environments such as hospitals or sheltered accommodation, battery tools offer huge advantages because of their low level of operating noise. But as a professional user, you need even more: top performance, maximum energy efficiency and the greatest possible flexibility in use. The extensive STIHL battery power system PRO range offers you all this, and because professionals can't choose the weather they work in, almost all our professional tools are suitable for use in the rain. These are  marked with the icon.



Easy to ignore, hard to miss – the orange powerhouses from STIHL.



STIHL, fully charged.

With powerful lithium-ion batteries and extra-fast charging times, the STIHL battery power system PRO is specifically designed for professional users' needs. You can easily combine a comprehensive range of tools, various battery options and a variety of accessories to create a tailor-made tool for any professional use.



Operation via a connecting cable: the battery is worn outside the tool, on the body. The battery is connected to the tool via a plug connection.



Operation with an AP battery: the battery shaft enclosed in the housing serves as a safe, direct contact station for the battery.

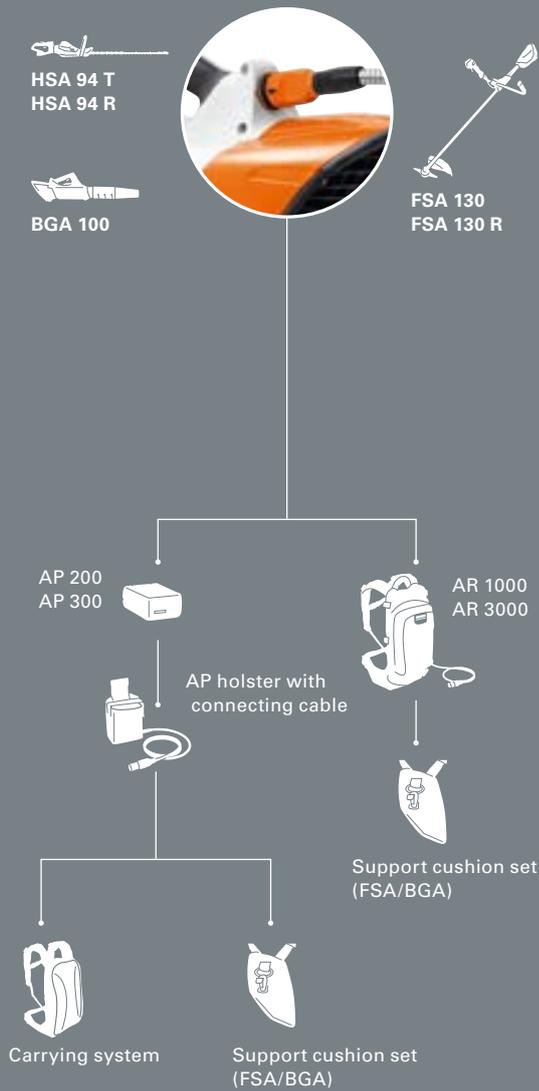


Operation with an AP adapter: the adapter is used when a battery with a connecting cable (e.g. AR 1000) is being charged, or for a tool with a battery shaft.

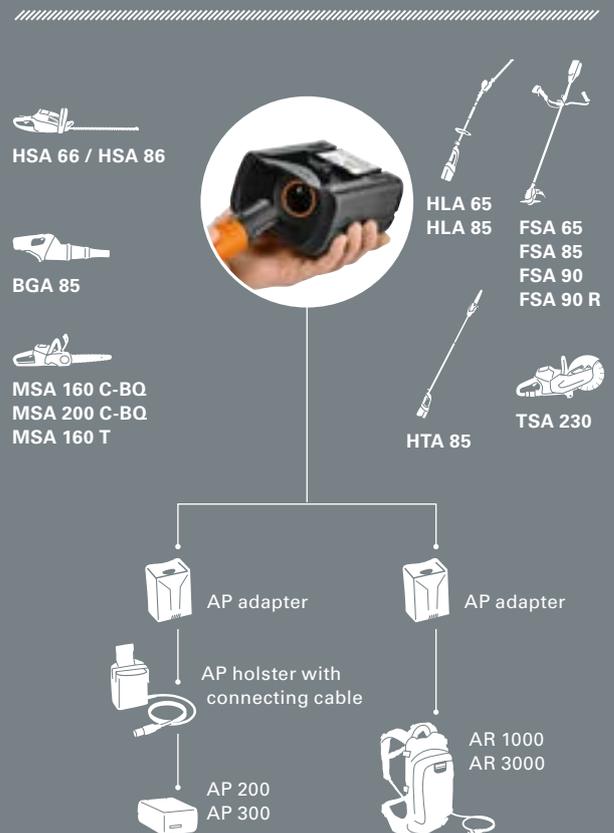


Battery system PRO combination options

Tools with a connecting cable



Tools with a battery shaft





1 HSA 66



2 HSA 86



1 HSA 66 // Lightweight battery hedge trimmer with high cutting performance for demanding applications.

Single-sided cutting blade, 30 mm tooth spacing, consistent stroke rate under load, droplet-shaped blade geometry, integrated cut protection, screw-on tip protector.

2 HSA 86 // Battery hedge trimmer with high efficient cutting performance when shaping and cutting back hedges.

Double-sided cutting blades in two lengths, 33 mm tooth spacing, consistent stroke rate under load, and screw-on cut and tip protector.

3 HSA 94 R // Powerful battery professional hedge trimmer for the most challenging thick twig pruning tasks. Double-sided professional cutting blade with 38 mm tooth spacing, in the pruning version, screwed-on cut and tip protection, low blade stroke for a powerful cut (three-level adjustable), rotating multi-function handle, loop handle with inner switch. (Requires a battery with a connecting cable.)

4 HSA 94 T // Powerful and professional battery hedge trimmer for high-precision trimming cuts in any position. Double-sided professional cutting blade with 30 mm tooth spacing, in the trimming version, screw-on cut and tip protection, high blade stroke rate for precise cutting patterns (three-level adjustable), rotating multi-function handle, loop handle with inner switch. (Requires battery with a connecting cable. Ear protection is required for cutting lengths of more than 50 cm.)

HSA 94 R 

NEW



HSA 94 T 

NEW



The rotating multi-function handle of the HSA 94 makes vertical cutting even more comfortable.





HLA 65   



*Fully
equipped,
even for greater challenges.*

1 HLA 65 // Battery long-reach hedge trimmer for tall and wide hedges. Double-sided cutting blades, cutter bar that can be adjusted by 115°, ideal adjustment for overhead, vertical and floor cutting, round handle, foldable for space-saving storage and transport.



The long-reach hedge trimmer is perfectly balanced, preserving your energy and allowing you to work for extended periods.



You can work even more ergonomically with the RTS harness, which is available as an accessory.

2 HLA 85



2 HLA 85 // Battery long-reach hedge trimmer with high cutting performance for particularly high hedges. Telescopic shaft with tool-free, quick-release tensioner (total length of 260 to 330 cm), double-sided cutting blades, cutter bar adjustable through 115°, ideal adjustment for overhead, vertical and floor cutting.

1 FSA 65



The combination of the carrier system and AP adapter makes it much more comfortable to use tools with a battery shaft.

2 FSA 85



1 FSA 65 // Battery brushcutter for light clearing work. 300 mm cutting circle diameter, soft handle, infinitely adjustable loop handle, mowing line which can be automatically readjusted by tapping the mowing head on the ground.

2 FSA 85 // Battery brushcutter for mowing around obstacles, as well as next to trees and shrubs. 350 mm cutting circle diameter, tool-free adjustment of the handle, infinitely variable speed control, spacer bracket, mowing line which can be automatically readjusted by tapping the mowing head on the ground.



3 FSA 90 // Battery brushcutter for working on large areas of tough grass. 260 mm cutting circle diameter (with grass cutting blade), two-hand handle, control handle with ECOSPEED partial load function, including double shoulder harness.

FSA 90 R // Compact tool options for working in cramped areas. Loop handle with barrier bar for safe moving and pivoting, ECOSPEED operation on the shaft.

4 FSA 130 // Powerful battery brushcutter for working on large areas of tough grass. 260 mm cutting circle diameter (with grass cutting blade), adjustable to three power levels, two-hand handle, suitable for AR backpack batteries with connecting cable or AP batteries in combination with the carrying system.

FSA 130 R // Compact tool options for working in cramped areas. Loop handle, power levels operated directly on the shaft, good pivot behaviour.

3 FSA 90
FSA 90 R



4 FSA 130
FSA 130 R



NEW



//////

Battery power with absolute accuracy

—

*achieved through professional features
and a round nozzle.*

//////



With the battery on your back and a comfortable carrying system, you can work for much longer.



1 BGA 85



2 BGA 100



1 BGA 85 // Battery blower with very easy and comfortable operation. Round nozzle as standard (flat nozzle retrofittable), soft handle, infinitely variable speed control, very quiet operation, low vibration.

2 BGA 100 // Powerful battery blower for professional use, particularly in urban areas. Round nozzle, soft handle, three power levels with additional boost function, blower tube length infinitely adjustable, eyelet for support cushion. (Use either with an AP and the AP holster with a connecting cable or with an AR backpack battery.)

The battery means everything's in hand: minimal vibration, high cutting performance and a clean cut.



1 MSA 160 C-BQ 



2 MSA 200 C-BQ 



- 1 MSA 160 C-BQ // Lightweight battery chainsaw for use in noise-sensitive areas.** STIHL Quick Chain Tensioning, QuickStop Super chain brake, tool-free fuel cap, PM3 1/4" saw chain as standard for a fine cut and high cutting-performance.
- 2 MSA 200 C-BQ // Battery chainsaw with high cutting performance for noise-sensitive applications and carving work.** 44% more cutting power than the MSA 160 C-BQ. STIHL Quick Chain Tensioning, QuickStop Super chain brake, tool-free fuel cap, PM3 1/4" saw chain as standard for a fine cut and high cutting performance, compatible with STIHL Carving E carving chain for cutting with a very small radius.



//////

***At full
speed in
wood –***
*with innovative EC motors
from STIHL.*

//////



1 MSA 160 T     



2 HTA 65     



1 MSA 160 T // Very lightweight battery arborist saw for professional work in noise-sensitive areas. Captive nut on the sprocket cover, side chain tensioning, PM3 1/4" saw chain as standard for a clean cut and good cutting performance.



2 HTA 85 // Powerful battery pole pruner for orchards and professional arborists. Telescopic shaft with tool-free, quick-release tensioner (total length 270 to 390 cm), PM3 1/4" saw chain as standard, precise biting characteristics and high cutting performance, low-vibration and quiet for use in noise-sensitive areas, captive nut on the sprocket cover, side-mounted chain tensioning.

HTA 85 



//////////
Cut better
with powerful battery
technology from STIHL.
//////////

ASA 65    



NEW

1 ASA 65 // Powerful battery pruning shears for cutting vines and similar woods. Robust aluminium housing, ergonomic handle shape, electronically adjustable blade opening, easy blade change, suitable for right and left-handed users.





Depending on your needs, you can choose the "proportional cut" or "pulse cut" setting while you work.



2 ASA 85



2 ASA 85 // Powerful battery pruning shears for use in the maintenance of public grounds and in tree nurseries. Branch diameter up to 45 mm diameter, sturdy aluminium housing, ergonomic handle shape, blade opening in four adjustable settings.





The KGA 770 works perfectly on a huge range of surfaces.



KGA 770



KGA 770 // Battery sweeping machine for working on large areas both indoors and outdoors. STIHL MultiClean PLUS sweeping system, 8-level central height adjustment, ergonomically shaped push bar, side guide roller, transport handle, can be stored upright to save space, 4-year warranty on the low-wear nylon bristles. (Battery operation only applies for circular brushes and power sweep.)

Applications

Indoors:

- Interlocking paving stones (e.g. tiles or granite)
- Sealed floors

Outside area:

- Asphalt
- Exposed aggregate
- Concrete paving stones (e.g. hexagonal or blockpavers)
- Cobblestones

TSA 230



TSA 230 // Manoeuvrable battery cut-off machine for wet cutting indoors and out. 230 mm cutting wheels up to 70 mm, water connection with ball valve and hose coupling, spindle lock, maintenance-free belt drive.



Useful accessories

The STIHL range includes high-quality diamond abrasive wheels for concrete, asphalt and natural stone as well as resin-bonded cutting wheels for steel, asphalt and stone.

The depth stop with vacuum support enables dust-free dry cutting of mineral construction materials, indoors and out. Features precise and infinitely variable adjustment of the cutting depth.









Quiet and powerful.
**Mowing lawns
 with ease.**

1 RMA 370 



2 RMA 410 C 



3 RMA 510 



1 RMA 370 // Agile battery lawnmower for mowing smaller areas. 37 cm cutting width, central cutting height adjustment at five levels, 40-litre grass collection basket. Optional comfort model available with single controller for ergonomic removal of the grass collection basket.

2 RMA 410 C // Powerful battery lawnmower for demanding mowing. 41 cm cutting width, six levels of central cutting height adjustment, 55-litre grass collection box. Optional comfort model available with single controller for ergonomic removal of the grass collection box.

3 RMA 510 // Powerful battery lawnmower for demanding mowing. Robust battery lawnmower for working on larger areas of lawn. Features a 21" deck, so you can cover more lawn faster than previous models. Includes a holding slot for a second battery, so you can swap batteries and be ready to cut again in seconds. 7-level cut height adjustment, 51cm cut width, convenient side ejection when mowing and mulching. Weight: 26.3kg

More features and technical details on the above models can be found at stihl.com.au

AP batteries 



AP 200/300 // Very powerful lithium-ion batteries with charge indicator (four LEDs). Compatible with STIHL battery power system PRO. Various energy capacities available.

AP 200 151 Wh battery power^①, 1.3 kg

AP 300 227 Wh battery power^①, 1.7 kg

AR backpack batteries 

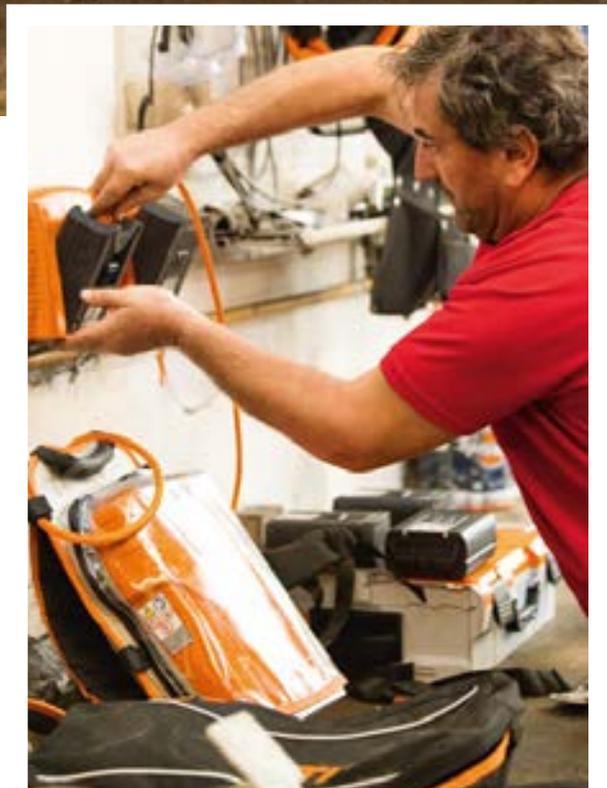


AR 1000/3000 // Backpack lithium-ion batteries with high energy content for longer running times.

Sturdy housing with base and charge level indicator (six LEDs), ergonomic harness with integrated carry handle and rain cover. Various battery capacities available.

AR 1000 **NEW**
626 Wh battery power^①,
4.1 kg^②/5.5 kg^③

AR 3000
1,148 Wh battery power^①,
6.8 kg^②/8.1 kg^③



The supplied adapter can be used with all STIHL standard and fast chargers to charge the backpack batteries.

^① Power capacity according to the specifications of the cell manufacturer. The power capacity available during actual operation is lower to increase service life.

^② Weight excluding carrying system
^③ Weight including carrying system



AL standard chargers

NEW



AL 101 // For STIHL AK and AP batteries. Cord wrap with Velcro and passive battery cooling. Wall mounting possible.

AL quick chargers



AL 300/AL 500 // 230 V. For STIHL AK, AP and AR batteries. Device in housing base for wall mounting and cord wrap, with operating mode indicator (LED) and active battery cooling.

Tool classes

With the battery system PRO, STIHL offers the perfect solution for any application. If you need maximum freedom of movement, tools with a battery shaft are the right choice. If you want minimum weight for long periods of work, tools with a connecting cable are best suited to your task.



Tools with a battery shaft

The battery shaft is encased in the tool housing. The battery can be easily removed by loosening the locking lever.



Tools with a connecting cable

The connecting cable with plug connects the STIHL AP or AR batteries with the device. This means that the battery can be conveniently worn on the body.

AP holster with connecting cable

Makes it possible to transfer energy between a STIHL AP battery and a device with a connecting cable. Can be combined with the battery belt carrying system.



Only while stocks last!

With integrated electronics for overload switching with an acoustic signal.



Accessories: AP adapter. For energy transfer between a STIHL battery power AP battery and STIHL AR battery in combination with a tool with a battery shaft.



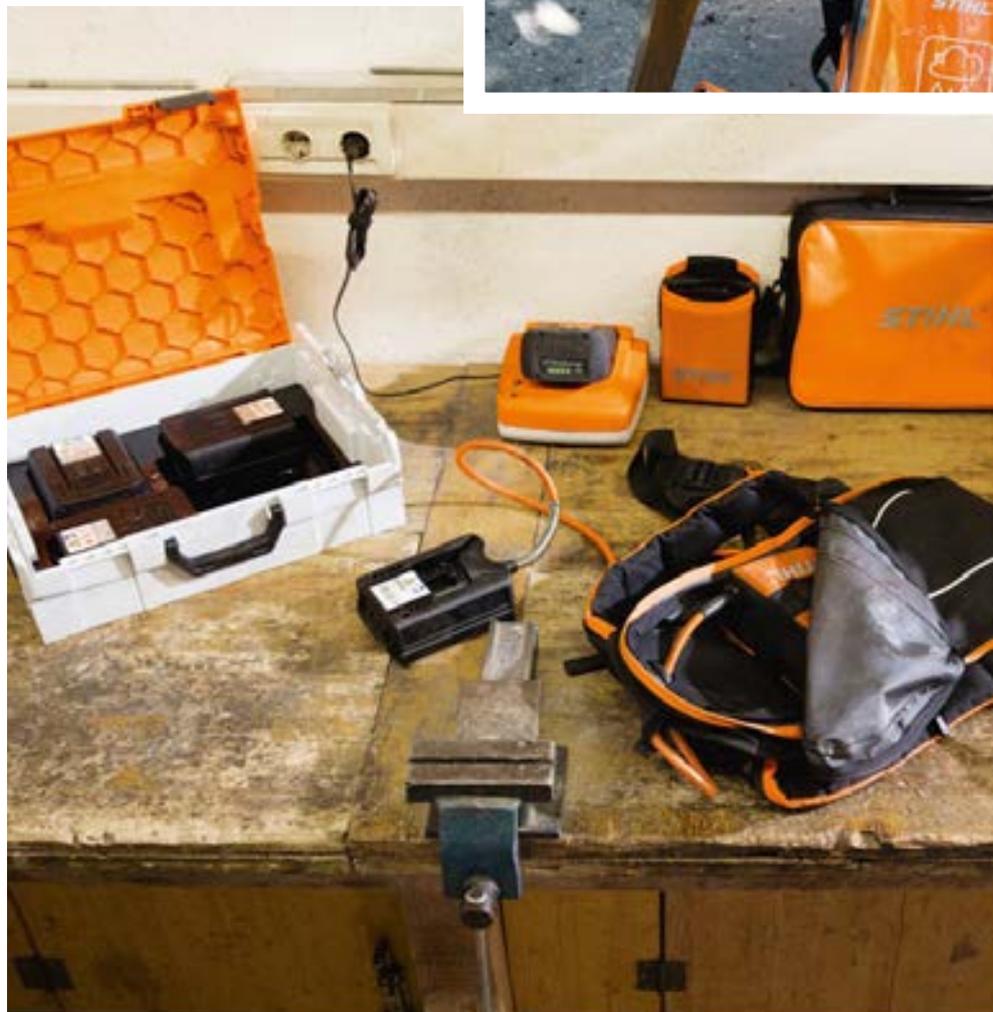
Accessories: additional weights for the AP adapter. For attachment to the AP adapter to improve the balance of the tool, e.g. the FSA 90, approx. 500g.

Carrying system



NEW

Comfortable, lightweight carrying system for up to two AP batteries. Can be used in combination with an AP holster and a connecting cable as an alternative to AR backpack batteries. Suitable for battery power tools with a connecting cable or battery shaft via an AP adapter.



Battery boxes

For space-saving and convenient carriage of batteries and charger. Compatible with the Sortimo L-BOXX and Sortimo Globelyst in-vehicle systems.



For four batteries or two batteries and a charger.



For AP or AR batteries and chargers.



Battery carry bag



Lightweight, hardwearing bag for easy and clean storage of accessories for STIHL battery tools. For a battery with a charger.

Support cushion set



With adapter for attaching the support cushion on the carrying system or on AR backpack batteries to mount the FSA and BGA tools.

Lid for AP battery shaft



For covering the battery shaft of battery tools in the STIHL battery power system PRO range. Protects against dust and dirt during longer periods of storage.

Battery belt carrying system



Robust, ergonomically shaped belt with battery bag for carrying STIHL AP batteries. Reduced tool weight as a result of relocating the batteries outside the tool, power transmission to the device via a flexible cable with an AP adapter.



Accessories: pocket for battery belt.

Can be used to easily carry another AP battery or accessories such as safety glasses, gloves or resin remover spray. Attaches to the battery belt.



Accessories: harness for battery belt.

Comfortable harness for weight distribution across the shoulders. Easily attaches to the battery belt.

Foot



Foot for protecting the batteries from contact with the ground. Additional handle for temporary shaft extension, for HTA 65, HTA 85 and HLA 85.

STIHL battery tools overview

Battery Power System		Bar length (cm)	Weight (kg)①	Sound pressure level② dB(A)	Sound power level② dB(A)	Vibration level left/right③ (m/s ²)	Total length④ (cm)	Stroke rate (min ⁻¹)	Tooth spacing (mm)
Battery long-reach hedge trimmer									
HLA 65 (115°)		50	3.5	85	94	3.5/3.5	205	3,000	33
HLA 85 (115°)		50	4.4	75	94	2.0/2.0	260 to 330	3,000	33

① Weight without battery

② K value according to Dir. 2006/42/EC = 2.5 dB(A)

③ K value according to Dir. 2006/42/EC = m/s²

④ With blade cutting attachment



Battery hedge trimmers		Battery Power System	Bar length (cm)	Rated voltage (V)	Weight (kg)	Sound pressure level ^④ (dB(A))	Sound power level ^⑤ (dB(A))	Vibration level left/right ^⑥ (m/s ²)	Total length (cm)	Stroke rate (min ⁻¹)	Tooth spacing (mm)
HSA 25		Lithium-Ion	17	10.8	0.6 ^①	70	80	1.2/1.4 ^⑦	50	2,000	19
HSA 45	NEW	Lithium-Ion	50	18	2.3 ^②	71	82	1.4/1.5	92	2,500	24
HSA 56	NEW	Lithium-Ion	45	36	2.9 ^③	80	91	2.7/1.2	94	2,800	30
HSA 56 set with AK 10 + AL 101	NEW	Lithium-Ion COMPACT	45	36	3.7 ^④	80	91	2.7/1.2	94	2,800	30
HSA 66		Lithium-Ion	50	36	3.1 ^③	83	94	3.7/2.3	103	3,000	30
HSA 86		Lithium-Ion	45	36	3.0 ^③	83	94	3.7/2.3	98	3,000	33
HSA 86		Lithium-Ion COMPACT PRO	62	36	3.3 ^③	83	94	3.7/2.3	115	3,000	33
HSA 94 R	NEW	Lithium-Ion	60	36	4.1 ^④	83	94	3.2/2.7	117	2,800/3,000/3,200 ^⑧	38
HSA 94 T	NEW	Lithium-Ion	50	36	3.7 ^③	84	95	4.9/2.8	106	4,400/4,700/5,000 ^⑧	30

R = Pruning
T = Trimming

① Weight excluding battery, including cutting tool
② Weight including battery
③ Weight excluding battery

④ Weight including battery, excluding charger
⑤ K value according to Dir. 2006/42/EC = 2.5 dB(A)
⑥ K value according to Dir. 2006/42/EC = 2 m/s²

⑦ With shrub cutter/with grass trimmer
⑧ Level 1/Level 2/Level 3



STIHL battery tools overview

Battery Power System		Rollomatic E bar (bar length, cm [Ⓞ])	Rated voltage (V)	Weight (kg) [Ⓜ]	System weight [Ⓝ] (kg)	Sound pressure level (dB(A)) [Ⓟ]	Sound power level [Ⓠ] (dB(A))	Vibration level left/right [Ⓡ] (m/s ²)	Saw chain pitch	STIHL Oilomatic chain type	STIHL Quick Chain Tensioning (B)	QuickStop Super chain brake (Q)	Tool-free oil tank cap	Overload protection	Soft handle	
Battery chainsaws																
MSA 120 C-BQ	NEW	Lithium-Ion COMPACT	30	36	2.5	–	83	94	3.4/3.2	1/4" P	PM3	●	●	–	●	●
MSA 120 C-BQ set with AK 20 + AL 101	NEW		30	36	2.5	3.7 [Ⓞ]	83	94	3.4/3.2	1/4" P	PM3	●	●	–	●	●
MSA 140 C-BQ	NEW		30	36	2.6	–	85	96	4.3/4.8	1/4" P	PM3	●	●	–	●	●
MSA 140 C-BQ set with AK 30 + AL 101	NEW		30	36	2.6	3.9 [Ⓞ]	85	96	4.3/4.8	1/4" P	PM3	●	●	–	●	●
MSA 160 C-BQ			25 30	36	3.1	–	84	95	2.7/2.9	1/4" P	PM3	●	●	●	●	●
MSA 200 C-BQ			30 35	36	3.3	–	84	95	4.6/3.9	1/4" P	PM3	●	●	●	●	●
Arborist saw																
MSA 160 T	Lithium-Ion PRO	25 30	36	2.3	–	81	93	2.5/2.5	1/4" P	PM3	–	●	●	●	●	
Battery pole pruner																
HTA 85	Lithium-Ion PRO	30	36	4.9	–	76	93	1.0/1.0	1/4" P	PM3	–	–	●	●	●	

● As standard
B = Quick Chain Tensioning
Q = QuickStop Super chain brake

Ⓞ The actual bar length is shorter than the stated bar length
Ⓜ Weight excluding battery but including guide bar and saw chain
Ⓝ System weight, without fuel, with guide bar and saw chain

Ⓟ Weight including battery, with guide bar and saw chain, without charger
Ⓠ K value according to Dir. 2006/42/EC = 2.5 dB(A)
Ⓡ K value according to Dir. 2006/42/EC = 2 m/s²



Battery brushcutters		Battery Power System	Rated voltage (V)	Weight (kg)	Sound pressure level ^① (dB(A))	Sound power level ^② (dB(A))	Vibration level left/right ^③ (m/s ²)	Total length without cutting tool (cm)	Cutting circle diameter (mm)	Standard cutting tool	Round handle/two-hand handle/loop handle	Tool-free handle adjustment	Harness/carrying system	Mowing/shredding/sawing jobs
FSA 45 ^① NEW		18	2.3 ^③	77	87	1.7/4.9	110	250	Mowing head PolyCut 2-2	-/-/●	●	-	●/-/-	
FSA 56 ^① NEW		36	2.5 ^④	72	86	3.5/3.5	147	280	Mowing head AutoCut 2-2	-/-/●	●	○	●/-/-	
FSA 56 set with AK 10 + AL 101 NEW		36	3.3 ^⑤	72	86	3.5/3.5	147	280	Mowing head AutoCut 2-2	-/-/●	●	○	●/-/-	
FSA 65 ^①		36	2.7 ^④	75	91	1.3/1.1	153	300	Mowing head AutoCut C 4-2	-/-/●	●	○	●/-/-	
FSA 85 ^②		36	2.8 ^④	77	94	1.4/0.8	165	350	Mowing head AutoCut C 4-2	-/-/●	●	○	●/-/-	
FSA 90 R ^②		36	2.8 ^⑥	78	90	4.8/3.5	177	380	Mowing head AutoCut 25-2	●/-/-	-	●	●/-/-	
FSA 90 ^②		36	3.2 ^⑥	73	84	1.0/1.0	177	260	Grass cutting blade 260-2	-/●/-	●	●	●/-/-	
FSA 130 R ^② NEW		36	3.7 ^⑥	80	94	>2.5	175	420	Mowing head AutoCut C 26-2	●/-/-	●	●	●/-/●	
FSA 130 ^② NEW		36	4.5 ^⑥	78	92	>2.5	175	260	Grass cutting blade 260-2	-/●/-	●	●	●/-/●	

● As standard
○ Retrofittable (accessory)
R = Loop handle

① Fixed speed
② Infinitely variable speed
③ Weight including battery

④ Weight excluding battery, including cutting tool and guard
⑤ Weight including battery, excluding charger
⑥ Weight excluding battery, cutting tool and guard
⑦ K factor according to Dir. 2006/42/EC= 2.5 dB (A) with standard tool
⑧ K factor according to Dir. 2006/42/EC= 2 m/s² with standard tool



STIHL battery tools overview

		Battery Power System	Rated voltage (V)	Weight (kg)	Sound pressure level ^① (dB(A))	Sound power level ^② (dB (A))	Vibration level right ^③ (m/s ²)	Blowing force (N) ^④	Air speed (m/s) with round nozzle/flatnozzle	Air throughput (m ³ /h) with round nozzle/flatnozzle	Max. air speed (m/s) with round nozzle/flatnozzle	Max. air throughput ^⑤ (m ³ /h)	Round nozzle/flat nozzle	Chest strap/hip strap
Battery blowers														
BGA 45	NEW	Lithium-Ion	18	2.0 ^①	76	86	< 2.5	5	38/-	420/-	44/-	500	●/-	-/-
BGA 56	NEW	Lithium-Ion COMPACT	36	2.1 ^②	79	91	< 2.5	9	45/-	600/-	54/-	750	●/-	-/-
BGA 56 set with AK 20 + AL 101	NEW		36	3.3 ^③	79	91	< 2.5	9	45/-	600/-	54/-	750	●/-	-/-
BGA 85		Lithium-Ion PRO	36	3.2 ^②	83	98	2.5	10	47/-	665/-	56/-	845	●/○	-/-
BGA 100			36	2.5 ^②	80	90	2.5	17 ^⑦	63 ^⑦ /-	840 ^⑦ /-	75 ^⑦ /-	1,040	●/-	-/-

- As standard
- Retrofittable (accessory)

- ① Weight including battery
- ② Weight excluding battery
- ③ Weight including battery, excluding charger

- ④ K value according to Dir. 2006/42/EC = 2.5 dB(A)
- ⑤ K value according to Dir. 2006/42/EC = 2 m/s²
- ⑥ Combination of air speed and air throughput
- ⑦ In boost
- ⑧ Without blowing system/nozzle

		Battery Power System	Container capacity (l)	Sweep width (cm)	Rated voltage (V)	Weight (kg) ^①	Sound pressure level ^② (dB(A))	Sound power level ^③ (dB(A))	For areas up to ... (m ²)	Sweeping concept	Central height adjustment	Protective cover for the long-life transmission	All-around sealing + air filter	Bristle hold-downlamp	Ergonomically designed push bar and power sweep	Indoors: interlocking paving/sealed floors	Outdoor areas: asphalt/exposed aggregate concrete/paving stones/cobblestones
KGA 770		Lithium-Ion PRO	50	77	36	16.0	64	80	2,000	MultiClean PLUS	●	●	●	●	●	●/●	●/●/●/●

- As standard

- ① Weight excluding battery
- ② K value according to Dir. 2006/42/EC = 2.5 dB(A)

Battery Power System		Rated voltage (V)	Weight (kg)Ⓞ	Sound pressure level ^③ (dB(A))	Sound power level ^③ (dB(A))	Vibration level left/right ^③ (m/s ²)	Total length (cm)	Cutting wheel (mm)	Max. cutting depth (mm)	Water connection	Magnesium guard
Battery cut-off machine^①											
TSA 230		36	3.9	103 ^④	114 ^④	3.5/ 3.5	55.0	230	70	●	●

● As standard

① With resin-bonded cutting wheel

② Weight excluding battery and cutting wheel

③ K value according to Dir. 2006/42/EC = 2.5 dB(A)

④ Measurement with cutting wheels according to EN 60745-2-22

⑤ K value according to Dir. 2006/42/EC = 2 m/s²

Battery Power System		Rated voltage (V)	Weight (kg)Ⓛ	Sound pressure level ^② (dB(A))	Vibration level ^③ (m/s ²)	Maximum cutting thickness (mm)	Length of connecting cable (m)
Battery pruning shears							
ASA 65	NEW	36	0.75	< 70	< 2.5	35	1.6
ASA 85		36	0.98	< 70	< 2.5	45	1.6

① Weight including blades, excluding battery and carrying system

② K value according to Dir. 2006/42/EC = 1.5 (dB(A))

③ K value according to EN 50260-1: 2005 = 1.5 m/s²



STIHL battery charging times

	Replacement battery	Integrated battery	AK 10	AK 20	AK 30
					
Battery charging times (min)^①					
AL 100 	–	–	55/80	105/150	160/205
AL 101 	–	–	55/80	105/150	160/205
AL 300 	–	–	20/30	25/45	35/60
AL 500 	–	–	20/30	25/45	35/60
Working hours per battery charge (up to ... min)^②					
STIHL HSA 25	110	–	–	–	–
STIHL FSA 45 (with PolyCut 2-2 blade/line)	–	20/12	–	–	–
STIHL HSA 45	–	40	–	–	–
STIHL BGA 45	–	10	–	–	–
STIHL MSA 120 C-BQ	–	–	15	35	55
STIHL MSA 140 C-BQ	–	–	15	35	45
STIHL FSA 56 (with nylon mowing head)	–	–	20	40	60
STIHL HSA 56	–	–	40	80	120
STIHL BGA 56	–	–	10	20	30
STIHL MSA 160 C-BQ	–	–	–	–	–
STIHL MSA 200 C-BQ	–	–	–	–	–
STIHL MSA 160 T	–	–	–	–	–
STIHL HTA 85	–	–	–	–	–
STIHL FSA 65	–	–	–	–	–
STIHL FSA 85	–	–	–	–	–
STIHL FSA 90 R (with nylon mowing head)	–	–	–	–	–
STIHL FSA 90 (with grass cutting blade)	–	–	–	–	–
STIHL FSA 130 R (with nylon mowing head)	–	–	–	–	–
STIHL FSA 130 (with grass cutting blade)	–	–	–	–	–
STIHL HSA 66	–	–	–	–	–
STIHL HSA 86	–	–	–	–	–
STIHL HSA 94 R	–	–	–	–	–
STIHL HSA 94 T	–	–	–	–	–
STIHL HLA 65	–	–	–	–	–
STIHL HLA 85	–	–	–	–	–
STIHL BGA 85	–	–	–	–	–
STIHL BGA 100	–	–	–	–	–
STIHL KGA 770	–	–	–	–	–
STIHL TSA 230	–	–	–	–	–
STIHL ASA 65	–	–	–	–	–
STIHL ASA 85	–	–	–	–	–
Battery ranges (up to ... m²)^②					
RMA 310	–	–	100	200	300
RMA 410 C	–	–	–	–	–
RMA 510	–	–	–	–	–

 Recommended attachments

 Reduced tool performance

① Charging times in minutes to 80% capacity/**100% capacity**



Battery charging times (min) ^①

125/165	190/250	–	–	AL 100	
125/165	190/250	–	–	AL 101	
30/55	45/75	130/180	220/300	AL 300	
25/35	25/35	90/120	120/160	AL 500	

–	–	–	–	STIHL HSA 25
–	–	–	–	STIHL FSA 45 (with PolyCut 2-2 blade/line)
–	–	–	–	STIHL HSA 45
–	–	–	–	STIHL BGA 45
–	–	–	–	STIHL MSA 120 C-BQ
–	–	–	–	STIHL MSA 140 C-BQ
–	–	–	–	STIHL FSA 56 (with nylon mowing head)
–	–	–	–	STIHL HSA 56
–	–	–	–	STIHL BGA 56
35	50	125	230	STIHL MSA 160 C-BQ
35	45	110	200	STIHL MSA 200 C-BQ
35	50	125	230	STIHL MSA 160 T
35	55	125	230	STIHL HTA 85
50	75	200	380	STIHL FSA 65
30	45	120	220	STIHL FSA 85
20	30	80	150	STIHL FSA 90 R (with nylon mowing head)
30	45	120	220	STIHL FSA 90 (with grass cutting blade)
25/20/15 ^③	40/30/20 ^③	100/85/70 ^③	190/150/125 ^③	STIHL FSA 130 R (with nylon mowing head)
60/45/30 ^③	85/70/45 ^③	230/185/120 ^③	420/320/215 ^③	STIHL FSA 130 (with grass cutting blade)
120	180	450	800	STIHL HSA 66
120	180	450	800	STIHL HSA 86
90/80/70 ^③	135/120/105 ^③	380/350/320 ^③	700/630/570 ^③	STIHL HSA 94 R
90/80/70 ^③	135/120/105 ^③	380/350/320 ^③	700/630/570 ^③	STIHL HSA 94 T
120	180	450	800	STIHL HLA 65
120	180	450	800	STIHL HLA 85
16	24	65	115	STIHL BGA 85
55/22/13/10 ^④	83/33/21/16 ^④	225/95/60/45 ^④	395/160/100/75 ^④	STIHL BGA 100
140	210	–	–	STIHL KGA 770
12	18	50	95	STIHL TSA 230
420	630	–	–	STIHL ASA 65
400	600	–	–	STIHL ASA 85

Battery ranges (up to ... m²) ^②

–	–	–	–	RMA 310
240–270	340–370	–	–	RMA 410 C
270–300	370–400	–	–	RMA 510

② The battery working times and area specifications for each battery charge are estimates and may vary depending on how the tool is used and what is being cut

③ Level 1/Level 2/Level 3
④ Level 1/Level 2/Level 3/Boost

The right battery tool for every task

Battery ranges (example use)



Tools	Battery ranges ①	Usage
MSA 120 C-BQ ②	< 150 cuts ③	 10 cm
MSA 140 C-BQ ②	< 180 cuts ③	 10 cm
MSA 160 C-BQ	> 180 cuts ③	 10 cm
MSA 200 C-BQ	> 180 cuts ③	 10 cm



Tools	Battery ranges ①	Usage
BGA 45	< 200 m ² ④	
BGA 56 ②	< 300 m ² ④	
BGA 85	> 300 m ² ④	
BGA 100	> 300 m ² ④	



Tools	Battery ranges ①	Usage
HSA 25	< 30 balls ⑤	
HSA 45	< 80 m ² ⑥	
HSA 56 ②	< 140 m ² ⑥	
HSA 66	> 140 m ² ⑥	
HSA 86	> 140 m ² ⑥	
HSA 94 R	> 140 m ² ⑥	
HSA 94 T	> 140 m ² ⑥	



Tools	Battery ranges ①	Usage
FSA 45	< 250 m/50 m ² ⑦	
FSA 56 ②	< 1,500 m/300 m ² ⑦	
FSA 65	> 1,500 m/300 m ² ⑦	
FSA 85	> 1,500 m/300 m ² ⑦	
FSA 90 / R	> 1,500 m/300 m ² ⑦	
FSA 130 / R	> 1,500 m/300 m ² ⑦	

① The battery life durations and area specifications are estimates and may vary depending on how the tool is being used and what is being cut.

② With recommended battery
③ When sawing square timber (10 x 10 cm): up to ... cuts
④ Up to ...m² of dry leaves on asphalt

⑤ When trimming boxwood, up to ... balls
⑥ Up to ... m² of hedge
⑦ Up to ... m of lawn edges/up to ...m² of lawn



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