

## Definitions

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1. **Battery Compartment**  
Accommodates the battery in the unit.
2. **Control Handle**  
The handle of the trimmer held by the rear hand.
3. **Trigger Switch Lockout**  
Must be depressed before the trigger switch can be activated.
4. **Trigger Switch**  
Switches the motor on and off and controls the speed of the motor.
5. **Retaining Latch**  
Locks or unlocks the trigger switch.
6. **Carrying Ring**  
Connects the unit to the harness.
7. **Loop Handle (HLA 65)**  
For easy control of machine during cutting work.
8. **Drive Tube with Handle Hose (HLA 65)**  
Encloses and protects the cables between the motor and control handle. For holding and controlling the unit with the hand during operation.
9. **Handle Hose (HLA 85)**  
For holding and controlling the unit with the hand during operation.
10. **Blade Scabbard**  
Covers cutting blades when hedge trimmer is not in use.
11. **Cutting Blades**  
Steel blades for cutting hedges and shrubs.
12. **Adjusting Grip**  
Used to set cutter bar to the required angle.
13. **Blade Drive Gear**  
Converts rotary movement of motor into reciprocating movement of cutting blades.
14. **Cutter Bar Adjusting Mechanism**  
For adjusting the angle of the cutter bar and cutting blades.
15. **Sliding Sleeve**  
Locks and unlocks the cutter bar adjusting mechanism.
16. **Quick-Release Clamp (HLA 85)**  
For adjusting the length of the telescopic drive tube.
17. **Battery Locking Tabs**  
Secure the battery in the unit.
18. **Battery**  
Supplies the motor with electrical power.
19. **Light Emitting Diodes (LED) on Battery**  
Indicate the state of charge and operating condition of the battery.
20. **Push Button**  
For activating light emitting diodes (LED) on battery.
21. **Charger**  
Charges the battery.
22. **Light Emitting Diode (LED) on Charger**  
Indicates charger operating mode and certain problems.
23. **Power Supply Cord**  
Supplies electric current to charger.

## Specifications

### Battery

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Type: Lithium-ion

Designation: AP, AR

The machine may be operated only with original STIHL AP and AR rechargeable batteries.

Power tool running time is dependent on the energy content of the battery.

STIHL AP series and AR series rechargeable batteries may be charged only with original STIHL AL series chargers.

### Charger

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#### AL 100

Power supply: 120 V / 60 Hz

Rated current: 1.3 A

Power consumption: 75 W

Charge current: 1.6 A

Insulation: II,  (double insulated)

#### AL 300

Power supply: 120 V / 60 Hz

Rated current: 4.7 A


Power consumption: 330 W

Charge current: 6.5 A

Insulation: II,  (double insulated)

English

**AL 500**

Power supply:	120 V / 60 Hz
Rated current:	4.8 A
Power consumption:	570 W
Charge current:	12 A
Insulation:	II,  (double insulated)

**Cutting Blade**

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Cutting length:	500 mm (20 in)
Tooth spacing:	33 mm (1.3 in)
Stroke rate:	3,000/min
Sharpening angle to horizontal:	45°

**Weight**

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without battery, with cutting blade,  
without blade scabbard

HLA 65:	3.5 kg (7.7 lbs)
HLA 85:	4.4 kg (9.7 lbs)

**Transporting Batteries**

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STIHL batteries comply with the requirements set forth in UN-Manual ST/SG/AC.10/11/Rev.5/Part III, Subsection 38.3.

Commercial air, vessel and ground transportation of lithium ion cells and batteries is regulated. The battery is classified as a UN 3480, Class 9, packaging group 2 product. Shipping it,

either as a complete tool or the battery, requires compliance with all applicable shipping regulations. Check with the ground, vessel, air cargo or passenger airline to determine if transport is prohibited or subject to restrictions or exemptions prior to shipping or travel.

Normally, no further conditions have to be fulfilled by the user to transport STIHL batteries by road to the power tool's operating site. Check and comply with any special regulations that may apply to your situation.

**FCC 15 Compliance Statement for Power Tool and Charger**

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This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- this device may not cause harmful interference.
- this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause

harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- reorient or relocate the receiving antenna,
- increase the separation between the equipment and receiver,
- connect the equipment into an outlet on a circuit different from that to which the receiver is connected,
- consult the dealer or an experienced radio/TV technician for help.

Do not change or modify this product in any way unless specifically allowed in this manual, since this could void your authority to operate it.