

Definitions

1. **Battery Compartment**
Accommodates the battery in the unit.
2. **Control Handle**
The handle of the blower held by the operator's 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. **Blower Tube**
Directs airstream.
7. **Nozzle**
Mounted on blower tube, directs airstream.
8. **Intake Screen**
Fits over the intake opening and reduces the risk of direct contact with the axial fan, which is located under the screen.
9. **Battery Locking Tabs**
Secure the battery in the unit.
10. **Battery**
Supplies the motor with electrical power.
11. **Light Emitting Diodes (LEDs) on Battery**
Indicate the state of charge and operating condition of the battery.

12. **Push Button**
For activating light emitting diodes (LED) on battery.
13. **Charger**
Charges the battery.
14. **Light Emitting Diode (LED) on Charger**
Indicates charger operating mode and certain problems.
15. **Power Supply Cord**
Supplies electric current to charger.

Specifications

Battery

Type: Lithium-ion

Category: AP, AR

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

Running time is dependent on the energy content of the battery.

Charger

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)

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)

Charge Times

AL 100

with AP 80:

- up to 80 % capacity: 70 min
- up to 100 % capacity: 100 min

with AP 115:

- up to 80 % capacity: 110 min
- up to 100 % capacity: 140 min

with AP 160:

- up to 80 % capacity: 150 min
- up to 100 % capacity: 165 min

with AP 180:

- up to 80 % capacity: 160 min
- up to 100 % capacity: 210 min

AL 300

with AP 80:

- up to 80 % capacity: 25 min
- up to 100 % capacity: 50 min

with AP 115:

- up to 80 % capacity: 25 min
- up to 100 % capacity: 55 min

with AP 160:

- up to 80 % capacity: 35 min
- up to 100 % capacity: 60 min

with AP 180:

- up to 80 % capacity: 40 min
- up to 100 % capacity: 70 min

AL 500

with AP 80:

- up to 80 % capacity: 25 min
- up to 100 % capacity: 50 min

with AP 115:

- up to 80 % capacity: 20 min
- up to 100 % capacity: 25 min

with AP 160:

- up to 80 % capacity: 35 min
- up to 100 % capacity: 60 min

with AP 180:

- up to 80 % capacity: 25 min
- up to 100 % capacity: 30 min

Maximum air flow rate

with round nozzle 383 cf/min
(650 m³/h)with fan nozzle 421 cf/min
(715 m³/h)without nozzle 497 cf/min
(845 m³/h)**Air velocity**

with round nozzle 103 mph
(46 m/s)with fan nozzle 101 mph
(45 m/s)**Dimensions**

Length	38.9 in (987 mm)
Height	11.2 in (285 mm)
Depth	6.6 in (167 mm)

Weight

without battery	7.1 lbs (3.2 kg)
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Type

Blower, household type

Transporting batteries

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 UN3091, 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