

Guide to Using this Manual

Dear Customer,

Thank you for choosing a quality engineered STIHL product.

This machine has been built using modern production techniques and comprehensive quality assurance. Every effort has been made to ensure your satisfaction and troublefree use of the machine.

Please contact your dealer or our sales company if you have any queries concerning your machine.



Hans Peter Stihl

Pictograms

All the pictograms attached to the machine are shown and explained in the this manual.

The operating and handling instructions are supported by illustrations.

Symbols in text

The individual steps or procedures described in the manual may be marked in different ways:

- Step or procedure without direct reference to an illustration.





Description of step or procedure that refers directly to the illustration and contains item numbers that appear in the illustration.

Example:

Loosen the screw **(1)**

Lever **(2)** ...

In addition to the operating instructions, this manual may contain paragraphs that require your special attention. Such paragraphs are marked with the symbols described below:

-  Warning where there is a risk of an accident or personal injury or serious damage to property.
-  Warning where there is a risk of damaging the power tool or individual components.
-  Note or hint which is not essential for using the power tool, but may improve the operator's understanding of the situation and result in better use of the power tool.
-  Note or hint on correct procedure in order to avoid damage to the environment.



Important safety instructions

✱ Equipment and features

This instruction manual refers to several models with different features. Components that are not installed in all models and related applications are marked thus * . Such components are available as special accessories from your STIHL dealer.

Engineering improvements

STIHL's philosophy is to continually improve all of its products. As a result, engineering changes and improvements are made from time to time. If the operating characteristics or the appearance of your machine differ from those described in this manual, please contact your STIHL dealer for assistance.

General



Particular safety precautions must be taken when working with the machine. The power connection is a particular source of danger.



Read all instructions before using this appliance. The following safety precautions must be observed.

Before starting work, always check that your vacuum cleaner is operating correctly and in good condition. Pay special attention to the power cable and plug.

The appliance may only be operated with an undamaged filter cartridge.



Never attempt to pick up flammable materials (hot ashes, glowing cigarettes, etc.) or combustible liquids (petrol, thinners, etc.).

Risk of fire or explosion.



Avoid damage to the power cable by rolling over, crushing or pulling it.

Never pull the power cable to disconnect the plug from the wall outlet. To unplug, grasp the plug, not the cable.

Inspect the power cable regularly for signs of damage or ageing. Never use the machine if the power cable is damaged in any way - risk of electrocution.



The main plug must be disconnected immediately if the power cable is damaged - electric shocks can be lethal.

Always remove the paper filter bag before using your vacuum cleaner for wet pick-up.

Never modify your vacuum cleaner in any way, as this could be extremely dangerous.

Only carry out the maintenance work and repairs described in this manual. Other work should be performed by your STIHL servicing dealer.

Only use original replacement parts.

Intended use

Always disconnect the plug from the power supply (unplug it) before performing any kind of work on the machine.

The power cable may only be repaired or replaced by authorized personnel.

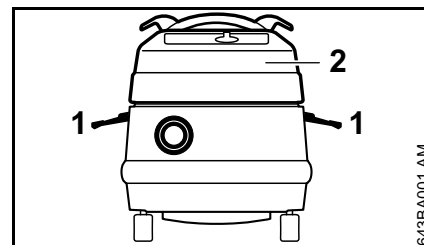
All plugs and connectors for power cables must at least be splash-proof.

The machine must be unplugged from the power supply before cleaning or servicing it and before replacing any parts.

For vacuuming:

- Dry, non-flammable materials (dust, dirt, broken glass, wood or metal shavings, sand, etc.)
- Non-flammable liquids (dirty water, spilled juices, etc.)
- Also suitable for more demanding use in industrial applications

Start-up



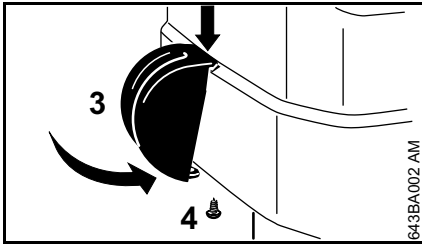
The machine must not be plugged into the mains socket while carrying out the following activities.

1 = Release catches

2 = Lift upper part of vacuum unit vertically upwards

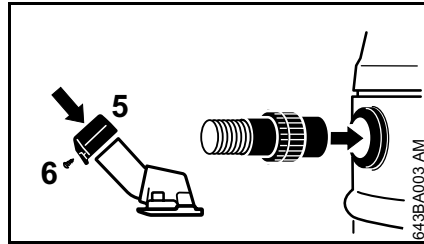
- Remove accessories from container.

A filter bag is already fitted.



SE 120

- 3** = Hook suction tube holder* into rear of upper part of vacuum unit and secure with
- 4** = screw
- Refit upper part of vacuum unit in reverse order of steps

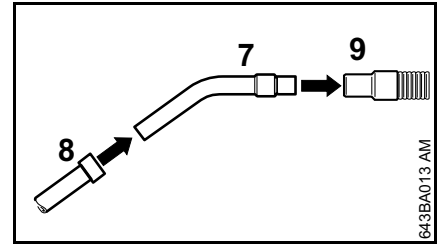


SE 120

- 5** = Slide nozzle holder* onto suction nozzle* and
- 6** = secure with screw
- Plug suction tube into intake port

SE 120 E

- Plug suction tube into intake port



SE 120

- 7** = Plug handle tube* into socket of suction tube
- 8** = Plug extension tubes* onto handle piece*

SE 120 E

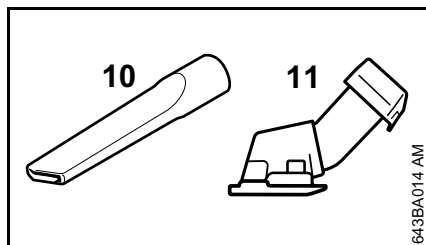
- The adapter for other machines is already fitted on the
- 9** = end of the hose

* Special accessory SE 120 E

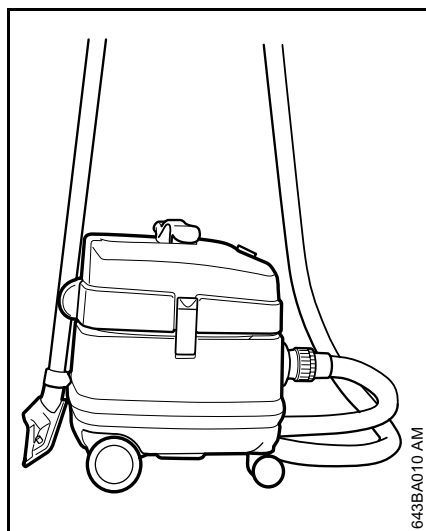
* Special accessory SE 120 E

* Special accessory SE 120 E

Connect vacuum unit to power supply, operation



Fit the
10= crevice nozzle* or
11= floor tool* on the last extension tube
as required.



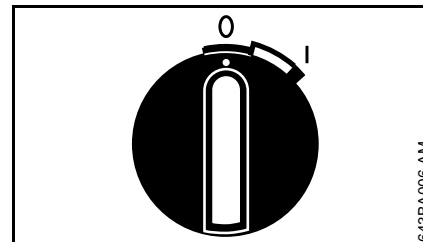
The operating voltage specified on the rating plate must match that of the mains power supply. The rating plate is located on the rear of the upper part of the suction unit.

- Plug the power cable into a correctly installed socket.

Observe the minimum cable cross-sections when using extension leads .

Cable length	Cross-section
Up to 20 m	1,5 mm ²
Up to 50 m	2,5 mm ²

SE 120

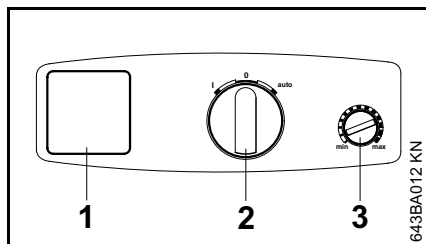


Switch settings

- 0** = Vacuum unit OFF
I = Vacuum unit ON

* Special accessory SE 120 E

SE 120 E



Other machines (max. 1800 W) can be connected to the

1 = socket outlet on the vacuum unit.

The unit is switched on and off or to automatic mode via the

2 = switch.

The suction force can be adjusted by hand via the

3 = rotary control.

Switch settings

0

Vacuum unit is off, the socket outlet on the appliance cannot be used.

auto

The vacuum unit is switched on and off via the automatic switch-on function by the machine connected to the socket outlet on the appliance.

I

The vacuum unit is switched on, but the socket outlet cannot be used.

The motor runs on for a few seconds after switching off so that the suction hose is emptied completely.

Vacuumping dry matter

The filter bag should always be fitted in the container before vacuumping dry matter, as this makes it easier to dispose of the vacuumped material. However, dry materials can also be vacuumped without filter bag.

Vacuumping liquids

The filter bag must always be removed before vacuumping liquids.

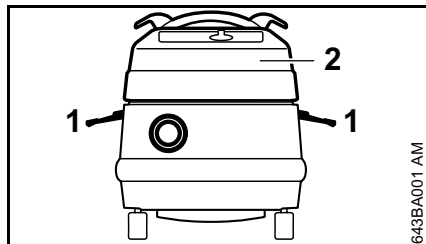
Flammable liquids must not be vacuumped.

The air stream is interrupted by a float-operated switch when the container is full.

If the vacuum unit is used exclusively for taking up liquids, a special insert (special accessory) should be fitted in place of the filter element.

The filter element is damp after vacuumping liquids. The filter element can clog up more quickly if dry media are vacuumped while it is still damp. For this reason, it should always be dried or replaced by a dry filter element before vacuumping dry media.

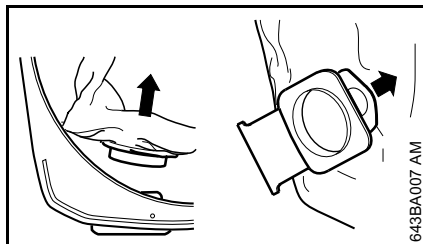
Emptying the container



- Switch off machine -
 - Unplug machine from socket outlet
- 1 = Release catches
2 = Lift upper part of vacuum unit vertically upwards

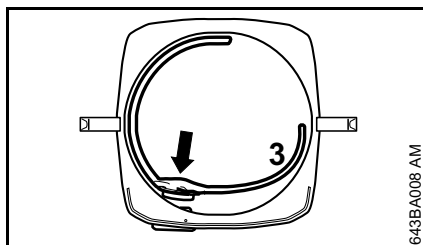
When dry-vacuuming without filter bag and when taking up liquids:

- Empty container and dispose of contents in accordance with regulations
- Refit upper part of vacuum unit.



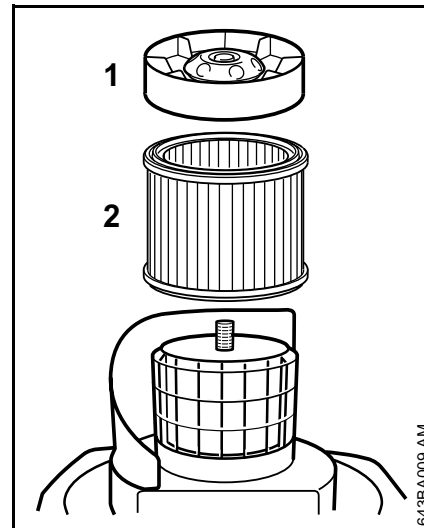
When dry-vacuuming with filter bag:

- Pull filter bag off intake port and seal opening in filter bag with slide
- Carefully remove filter bag from container and dispose of in accordance with statutory regulations



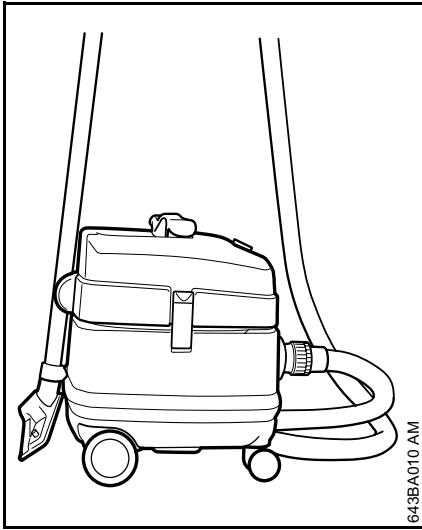
- 3 = Fit new filter bag -Fit opening of filter bag on intake port as far as possible
- Refit upper part of vacuum unit.

Replace filter element



- Unplug machine from socket outlet
 - Remove upper part of vacuum unit and turn it over
- 1 = Unscrew filter clamping nut
2 = Remove filter element and dispose of in accordance with statutory regulations
- Fit new filter element in reverse order of steps
 - Refit upper part of vacuum unit.

When your vacuum cleaner is not in use



Minimize wear and avoid damage

Compliance with the instructions in this booklet will help to prevent undue wear and damage to the machine.

The machine must be operated, serviced and stored with care as described in this booklet.

The user is responsible for all damage due to non-compliance with the safety, operating and maintenance instructions. This applies to the following in particular:

- Modifications not authorized by STIHL
- Use of parts or attachments not authorized by STIHL
- Non-conforming use of the machine
- Consequential damage due to continued use of the machine with defective components
- Damage due to operation with the wrong power supply

- Corrosion and other damage due to incorrect storage
- Primary and consequential damage due to the use of non-original STIHL parts
- Damage due to maintenance and repair by workshops not authorized by STIHL

Wear parts

Some parts of the power tool are subject to normal wear and tear even when the machine is used for its intended purpose. These parts must be replaced in good time, depending on the nature and duration of use.

Such parts include the following, for example:

- Filter elements, filter bag
- Carbon brushes

Remedying faults

Fault: Motor does not start

Cause	Remedy
Mains fuse disconnected	Check and reconnect mains fuse
Overload protection tripped	Leave vacuum to cool for approx. 5 minutes

Fault: Reduced intake

Cause	Remedy
Filter bag full	See "Emptying the container"
Suction hose clogged	Clean suction hose
Filter element clogged	See "Replace filter element"

Fault: No suction when picking up liquids

Cause	Remedy
Container is full (float seals the suction opening)	See "Emptying the container"

Specifications

Voltage	230-240 V, 110 V ¹⁾
Frequency	50 Hz
Power consumption	
- Maximum	1500 W
- Acc. to EN 60335-2-69	1200 W
Power rating for socket outlet on appliance	1800 W (1100 W ²⁾)
Total rated connection	3000 W (2300 W ²⁾)
Fuse (230-240 V)	13 A (10 A ²⁾)
Fuse (110 V)	20 A
Protection class SE 120	2
Protection class SE 120 E	1
Type of protection	IP X4
Max. intake capacity	
- Air	3800 l/min
Max. vacuum	230 mbar
Length approx.	450 mm
Width approx.	445 mm
Height approx.	505 mm
Suction hose SE 120	
- Length	3.0 m
- Diameter	36 mm
Suction hose SE 120 E	antistatic
- Length	3.5 m
- Diameter	27 mm
Container capacity	38 l
Weight approx.	11 kg
Sound pressure level at a distance of 1 m	60 dB(A)

¹⁾ Depending on country

²⁾ In Australia and New Zealand

Certificate of Conformity

I, the undersigned

Andreas Stihl AG & Co.
Badstr. 115
D-71336 Waiblingen

certify that the new machines described below

Category: Vacuum unit
Make: STIHL
Model: SE 120, SE 120 E
Serial identification: 4727

conform to the specifications of Directives 98/37/EC, 73/23/EEC and 89/336/EEC.

The products have been developed and manufactured in compliance with the following standards:

EN 292, EN 60335-1, EN 60335-1 A6, EN 60335-2, EN 55014, EN 50082, EN 60555

Done at Waiblingen, Januar 12, 2000

ANDREAS STIHL
i.V.



Steinhauser
Director
Group Product Management