

## IMPORTANT SAFETY INSTRUCTIONS

### READ ALL INSTRUCTIONS BEFORE USING THIS MACHINE

- Inform your dealer immediately if there is any shipping damage.
- Completely remove the accessories from the box.
- The machine is not suitable for sucking up hazardous dusts as asbestos. Please consult your Kärcher branch or your Kärcher dealer with regard to such applications.


When using an electrical machine, basic precautions should always be followed, including the following: This vacuum is intended for commercial use.

- 1 DISCONNECT BATTERY PACK FROM VACUUM CLEANER before removing the cover, performing maintenance work, and when not in use.
- 2 ALWAYS CHECK THE POWER CHARGER for damage or signs of aging before each use.
- 3 Charger:  
DO NOT UNPLUG BY PULLING CORD. To unplug, grasp plug, not cord.
- 4 Charger:  
DO NOT GRASP PLUG WITH WET HANDS.
- 5 DO NOT USE OUTDOORS OR ON WET SURFACES.
- 6 TO AVOID SHOCK, do not expose to rain. Store indoors.
- 7 USE ONLY AS RECOMMENDED BY THIS MANUAL. Use only with recommended attachments.
- 8 KEEP HAIR, CLOTHING, LOOSE JEWELRY, FINGERS and all parts of the body away from openings and moving parts.
- 9 DO NOT BLOCK OR OBSTRUCT OPENINGS. Keep openings free of lint, hair, dust, and anything that restricts air flow.
- 10 DO NOT PICK UP ANYTHING THAT IS BURNING, smoldering, or smoking

such as matches, cigarettes, or hot ashes.

- 11 DO NOT USE TO VACUUM COMBUSTIBLE EXPLOSIVE MATERIALS, such as coal, grain, and other finely divided combustible material.
- 12 DO NOT USE TO VACUUM COMBUSTIBLE, hazardous, toxic, or carcinogenic materials, including gasoline, diesel fuel, acetone, paint thinner, heating oils, undiluted acids and solvents, pesticide, and asbestos.
- 13 USE RECOMMENDED FILTERS when vacuuming drywall materials.
- 14 DO NOT USE WITHOUT FILTER and/or dust bag in proper place.
- 15 DO NOT ALLOW THE APPLIANCE TO BE USED AS A TOY. Keep children away.
- 16 DO NOT LEAVE UNATTENDED while Machine is running.
- 17 DO NOT USE IF FILTER OR VACUUM CLEANER IS IN POOR CONDITION. If the Vacuum Cleaner has been dropped, damaged, exposed to weather, or dropped into water; have it checked by an authorized service.
- 18 ALWAYS USE EYE PROTECTION when operating the machine.
- 19 USE EXTRA CAUTION when operating on stairs.
- 20 STAY ALERT! Do not use the machine when you are tired or under the influence of drugs, alcohol or medication.

### SAVE THESE INSTRUCTIONS

 Please read and comply with these original instructions prior to the initial operation of your appliance and store them for later use or subsequent owners.

- The non-compliance of the operating and safety instructions may lead to damages of the appliance and to dangers for the operator and other persons.
- In case of transport damage inform vendor immediately.
- When unpacking the product, make sure that no accessories are missing and that none of the package contents have been damaged.

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## Environmental protection



The packaging material can be recycled. Please do not throw the packaging material into household waste; please send it for recycling.



Old appliances contain valuable materials that can be recycled; these should be sent for recycling. Batteries and accumulators contain substances that must not enter the environment. Please dispose off old devices, batteries and rechargeable batteries through suitable waste collection systems.

### Notes about the ingredients (REACH)

You will find current information about the ingredients at:

**[www.kaercher.com/REACH](http://www.kaercher.com/REACH)**

## Danger or hazard levels

### **DANGER**

*Pointer to immediate danger, which leads to severe injuries or death.*

### **WARNING**

*Pointer to a possibly dangerous situation, which can lead to severe injuries or death.*

### **CAUTION**

*Pointer to a possibly dangerous situation, which can lead to minor injuries.*

### **ATTENTION**

*Pointer to a possibly dangerous situation, which can lead to property damage.*

## Proper use

### **⚠ WARNING**

*The appliance is not suitable for vacuuming dust which endangers health.*

### **ATTENTION**

*This unit is only to be used indoors.*

- This universal vacuum cleaner is intended for dry cleaning of floor and wall surfaces.
- This appliance is suited for the commercial use, e.g. in hotels, schools, hospitals, factories, shops, offices, and rental companies.

## Safety instructions

In addition to the information contained in the operating instructions, all statutory safety and accident prevention regulations must be observed.

### **⚠ DANGER**

*Risk of injury! Please remove the battery prior to performing any maintenance, service or repair work on the appliance.*

## Pacemaker

### **⚠ DANGER**

- *If you are wearing a pacemaker, we recommend that you contact your physician or the manufacturer of the pacemaker regarding possible cautions before you operate this appliance.*
- *Not all pacemakers are radiation-proof to emitted high frequency/electrical magnetic fields in a close vicinity, which could lead to problems while operating this appliance.*
- *If your physician is not able to guarantee its flawless operation, do not use this appliance!*

## Battery/charger

### **⚠ DANGER**

- *You may recharge the battery using only the original charger provided with the appliance or a charger approved by KÄRCHER.*
- *Check charger, mains cable and battery pack for damages before every use. Do not use damaged devices and get the damaged parts repaired only by experts.*
- *Do not use the charger if dirty or wet.*
- *The mains voltage must match the voltage mentioned on the type plate of the charger.*
- *Do not operate the charger in explosive environment.*
- *Ensure that no metal pieces reach the contacts of the adapter, else there will be a short circuit.*
- *Use the charger only to charge approved battery packs.*
- *Insert only clean and dry battery packs on the adapter of the charger.*
- *Do not charge batteries (primary cells); risk of explosion.*
- *Do not charge damaged battery packs. Replace damaged battery packs.*
- *Do not store battery packs along with metal objects; risk of short circuit.*
- *Do not dispose off battery packs by throwing them into fire or into household garbage.*
- *Avoid contact with liquids oozing out of defective battery packs. Rinse thoroughly if you accidentally come in contact with the fluid. Also consult a doctor if the fluid comes in contact with your eyes.*

## Device elements

- 1 Suction support (exterior)
- 2 Filter cover
- 3 Filter cover latch
- 4 Fleece filter bag
- 5 Main filter basket
- 6 Motor protection filter
- 7 Handle
- 8 Shoulder carrier with middle and end tensioners
- 9 Hip belt
- 10 Suction pipe holder
- 11 Back cushion
- 12 Nameplate
- 13 Casing
- 14 Battery
- 15 Unlocking button
- 16 Cover
- 17 Filter casing
- 18 Exhaust filter
- 19 Control unit
- 20 Switch between hard surface/carpet
- 21 Accessory hook (foldable)
- 22 Floor nozzle
- 23 Telescopic suction pipe
- 24 Eco button (energy saver mode)
- 25 Charging indicator
- 26 Suction force regulator (continuous)
- 27 Bender
- 28 Suction hose
- 29 Main switch

## Colour coding

- The operating elements for the cleaning process are yellow.
- The controls for the maintenance and service are light gray.

## Start up

- Check whether main filter basket has been inserted into the appliance.

## Operating modes

- 1 Operation with fleece filter bag or paper filter bag (option)
- 2 Operation without filter bag

## Adjusting the hip belt and the shoulder carrier

- Put appliance on your back.

Illustration **A**

- Latch the closure and adjust the hip belt.

Illustration **B**

- Adjust the appliance to your body by pulling on the middle tensioners. Do not pull too tight, the main load should be on the hip belt.

Illustration **C**

- Adjust the position of the appliance on your back by pulling on the end tensioners.

## Insert the battery

- Push in the battery into the battery compartment and snap it in place.

## Charge the battery

**Note:** Please read the operating instructions of the charger manufacturer, especially the chapters on safety instructions! The battery is partially charged at the time of delivery. Charge it before appliance startup and then as and when required.

**Note:** The battery can be charged only when it is removed out of the appliance.

- Press the unlocking key and remove the battery.
- Insert the charger delivered with the appliance into a proper socket.
- Insert the battery in the charger.

Charging time for empty battery		
Quick charger BC 1/7	min	60

## Operation

### **ATTENTION**

*Risk of damage! If the suction decreases, immediately turn off the motor.*

### **Turning on the Appliance**

- Switch on the appliance at the main switch.

### **Eco mode**

Eco mode (energy saver mode): The appliance works with reduced suction performance. The battery life will extend.

- To switch on eco mode: Press the eco button.
- To switch off eco mode: Press the eco button again.

### **Cleaning operations**

**Note:** The battery life will shorten because of increased cleaning performance while cleaning textile covering.

- Set the selection switch of the floor nozzle to hard surface or carpet.
- Regulate the suction force on the suction force regulator (continuous).
- Perform the cleaning operation.

### **Turn off the appliance**

- Switch off the appliance at the main switch.

### **After each operation**

- Empty main filter basket if necessary.
- Use a moist cloth to clean the appliance and the accessories after use.

## Transport

### **⚠ CAUTION**

*Risk of injury and damage! Observe the weight of the appliance when you transport it.*

- When transporting in vehicles, secure the appliance according to the guidelines from slipping and tipping over.

## Storage

### **⚠ CAUTION**

*Risk of injury and damage! Note the weight of the appliance in case of storage.*

- Press the unlocking key and remove the battery to avoid discharge.
- This appliance must only be stored in interior rooms.

## Care and maintenance

### **⚠ DANGER**

*Turn the appliance off and remove the battery before carrying out any tasks on the machine.*

### **Replace the fleece filter bag or paper filter bag (option)**

#### **Illustration 1**

- Release and remove the filter cover.
- Remove the fleece filter bag or paper filter bag (option).

#### **Illustration 2**

- Pull a new fleece filter bag or paper filter bag (option) with rubber flange over the suction support (interior).
- Insert and lock the filter cover.

### **Clean main filter basket**

- Main filter basket (washable), clean it under running water if necessary.

### **ATTENTION**

*Risk of damage! Never insert the main filter basket while wet.*

### **Replace exhaust filter**

#### **Exhaust filter: Change once a year**

- Remove cover.
- Unlock the filter housing and remove it.
- Remove the exhaust filter from the filter housing.
- Insert new exhaust filter into filter housing.
- Insert and click the filter housing into its place.
- Replace cover.

#### Replace motor protection filter

- ➔ Release and remove the filter cover.
- ➔ Remove the main filter basket.
- ➔ Remove the motor protection filter.
- ➔ Insert new motor protection filter.
- ➔ Insert main filter basket.
- ➔ Insert and lock the filter cover.

#### Troubleshooting

##### **⚠ DANGER**

*Turn the appliance off and remove the battery before carrying out any tasks on the machine.*

**Note:** In case of a failure (e.g. filter breakage) the appliance must be turned off immediately. The failure must be remedied before the appliance is put into operation again.

#### The appliance shuts off during the operation

- Motor thermal protector has responded.
  - ➔ Replace the fleece filter bag or paper filter bag (option).
  - ➔ Replace motor protection filter.
  - ➔ Check all parts for plugging.
- Switching back on after the motor turbine has cooled off, after approx. 60 minutes.

#### Dust comes out while vacuuming

- ➔ Replace the defective fleece filter bag or paper filter bag (option).
- ➔ Check the fleece filter bag or paper filter bag (option).
- ➔ Insert/lock the filter cover correctly.
- ➔ Insert undamaged main filter basket.
- ➔ Reinsert motor protection filter correctly.

#### Suction capacity decreases

- ➔ Replace the fleece filter bag or paper filter bag (option).
- ➔ Clean the main filter basket under running water and dry it.
- ➔ Insert/lock the filter cover correctly.

#### No or insufficient suction

- ➔ Remove choking of suction nozzle, suction tube or suction hose.
- ➔ Replace defective suction hose.
- ➔ Replace the fleece filter bag or paper filter bag (option).
- ➔ Insert/lock the filter cover correctly.
- ➔ Clean the main filter basket under running water and dry it.
- ➔ Insert undamaged main filter basket.
- ➔ Replace motor protection filter.

#### Appliance is not running

- ➔ Turn on the appliance.
- PCB overheated

**Note:** The appliance can be operated in battery mode after the PCB has cooled down.

- Battery empty
- ➔ Charge the battery.
- No battery is inserted
- ➔ Insert the battery.

#### Customer Service

**If malfunction can not be fixed, the device must be checked by customer service.**

## Warranty

The warranty terms published by the relevant sales company are applicable in each country. We will repair potential failures of your appliance within the warranty period free of charge, provided that such failure is caused by faulty material or defects in manufacturing. In the event of a warranty claim please contact your dealer or the nearest authorized Customer Service centre. Please submit the proof of purchase.


## Accessories and Spare Parts

Only use original accessories and spare parts, they ensure the safe and trouble-free operation of the device.

For information about accessories and spare parts, please visit [www.kaercher.com](http://www.kaercher.com).

Description	Order No.
Spare battery	4.654-016.0
Quick charger BC 1/7	
CUL	6.654-358.0

## Technical specifications

		BV 5/1 Bp
Battery voltage	V	36 DC
Rated current	A	18
Container capacity	gal (l)	1.3 (5)
Air volume (max.)	CFM (l/s)	97 (46)
Negative pressure (max.)	mm (kPa)	2110 (20.7)
Protective class		III
Suction hose connection (C-DN/C-ID)	in (mm)	1.38 (35)
Length x width x height	in (mm)	15.5 x 12.5 x 25.0 (400 x 320 x 636)
Typical operating weight	lbs (kg)	19.2 (8.7)
Max. ambient temperature	°F (°C)	104 (+40)
Operating time with full charge		
– Normal operation	min	24
– Eco mode	min	46
<b>Values determined to EN 60335-2-69</b>		
Sound pressure level $L_{pA}$	dB(A)	57
Uncertainty $K_{pA}$	dB(A)	2



## CONSIGNES DE SÉCURITÉ IMPORTANTES

### OBSERVEZ LES POINTS SUIVANTS AVANT LA MISE EN SERVICE DE L'APPAREIL

- En cas de dommages dus au transport, veuillez en informer immédiatement votre revendeur.
- Sortir tous les accessoires du carton.
- L'appareil ne convient pas pour aspirer des poussières nocives comme p. ex. l'amiante. Pour de telles applications, veuillez vous adresser à votre représentation Kärcher ou à votre revendeur Kärcher.

Lorsque vous utilisez un appareil électrique, vous devez prendre certaines précautions de base, dont la suivante: Cet aspirateur est conçu pour l'usage professionnel.

- 1 DEBRANCHER LA BATTERIE DE L'ASPIRATEUR avant de retirer le carter, de réaliser des travaux de maintenance et en cas de non-utilisation prolongée.
- 2 Avant chaque utilisation, VERIFIEZ l'absence d'endommagement ou d'usure du CHARGEUR ELECTRIQUE.
- 3 Chargeur :  
NE PASTIRER SUR LE CORDON POUR DÉBRANCHER l'appareil. Tirer sur la prise.
- 4 Chargeur :  
NE PAS SAISIR LA PRISE AVEC DES MAINS MOUILLÉES.
- 5 NE PAS UTILISER EN EXTÉRIEUR OU SUR DES SURFACES HUMIDES.
- 6 POUR ÉVITER TOUT CHOC ÉLECTRIQUE, ne pas laisser l'appareil sous la pluie. Le stocker à l'intérieur.
- 7 N'UTILISER L'APPAREIL QUE COMME IL EST CONSEILLÉ DANS CE MODE D'EMPLOI. Utiliser exclusivement les accessoires recommandés.
- 8 ÉLOIGNER LES CHEVEUX, LES VÊTEMENTS, LES BIJOUX FLOTTANTS, LES DOIGTS et toutes les parties du

corps des ouvertures et des pièces mobiles.

- 9 NE PAS FERMER OU OBSTRUER LES OUVERTURES. Enlever les peluches, cheveux, poussières et tout ce qui pourrait gêner le passage de l'air.
- 10 NE PAS AGRÉER D'OBJETS EN FEU, rougissants ou dégageant de la fumée tels que des allumettes, des cigarettes ou des cendres chaudes.
- 11 NE PAS ASPIRER DE MATÉRIAUX COMBUSTIBLES EXPLOSIFS, tels que charbon, grains et autres matériaux combustibles finement divisés.
- 12 NE PAS ASPIRER DE MATÉRIAUX COMBUSTIBLES, dangereux, toxiques ou cancérogènes comme l'essence, le gas-oil, l'acétone, les diluants à peinture, le fuel domestique, les acides et les solvants non dilués, les pesticides et l'amiante.
- 13 UTILISER LES FILTRES RECOMMANDÉS pour aspirer les solides.
- 14 NE PAS UTILISER L'APPAREIL SI LE FILTRE ou le sac à poussière n'est pas en place.
- 15 NE PAS LAISSER D'ENFANTS JOUER AVEC L'APPAREIL. Tenir les enfants à l'écart.
- 16 NE PAS LAISSER SANS SURVEILLANCE tant que la machine fonctionne.
- 17 NE PAS L'UTILISER SI LE FILTRE OU L'ASPIRATEUR EST EN MAUVAIS ÉTAT. Si l'aspirateur est tombé, a été abîmé, a été exposé aux intempéries ou est tombé dans de l'eau, le faire vérifier par un agent de service.
- 18 OUJOURS UTILISER DES PROTECTIONS OCULAIRES lors de l'utilisation de la machine.
- 19 REDOUBLER DE PRUDENCE pour l'utilisation dans un escalier.
- 20 RESTER VIGILANT ! Ne pas utiliser la machine en état de fatigue ou sous l'influence de drogues, d'alcool ou de médicaments.

### CONSERVER CES CONSIGNES