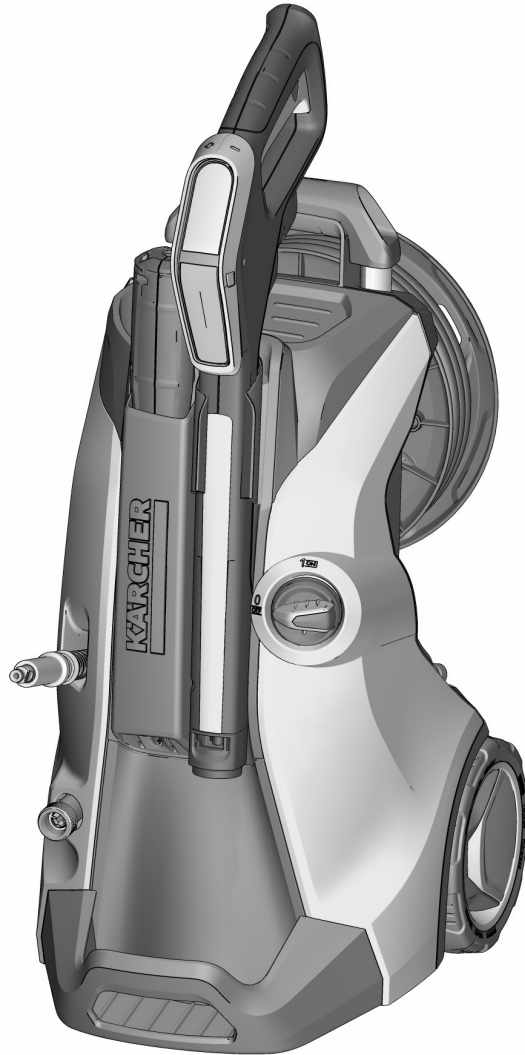


KÄRCHER

makes a difference

K 5 Premium Full Control Plus



Deutsch	5
English	11
Français	17
Italiano	24
Nederlands	30
Español	36
Português	43
Dansk	49
Norsk	55
Svenska	61
Suomi	67
Ελληνικά	73
Türkçe	80
Русский	86
Magyar	93
Čeština	99
Slovenščina	105
Polski	111
Românește	117
Slovenčina	123
Hrvatski	129
Srpski	135
Български	141
Eesti	148
Latviešu	154
Lietuviškai	160



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EAC



59683110 (11/19)

Contents

Safety	EN	5
Proper use	EN	5
Accessories and Spare Parts	EN	5
Environmental protection	EN	5
Description of the Appliance	EN	6
Assembly	EN	6
Start up	EN	7
Operation	EN	7
Transport	EN	8
Storage	EN	8
Care and maintenance	EN	9
Troubleshooting	EN	9
Technical specifications	EN	10
Warranty	EN	10
EU Declaration of Conformity	EN	10

Safety



Please read these original operating instructions and the enclosed safety instructions prior to the initial use of your device. Proceed accordingly. Keep both booklets for future reference or subsequent owners.

Symbols on the machine



The high pressure jet must not be directed at persons, animals, live electrical equipment or at the appliance itself.



Protect the appliance against frost.

The appliance must not be directly connected to the public drinking water network.

Safety Devices

⚠ CAUTION

■ *Safety installations serve the protection of the user and may not be modified or bypassed.*

Appliance switch

The appliance switch prevents unintentional operation of the appliance.

Lock trigger gun

The lock locks the lever of the trigger gun and prevents the accidental start of the device.

Overflow valve with pressure switch

The overflow valve prevents the permissible working pressure from being exceeded.

If the lever on the trigger gun is released, the pressure switch turns off the pump, the high-pressure jet stops. If the lever is pulled the pump is turned on again.

Motor protection switch

The motor protection switch switches off the device if the power consumption is high.

Proper use

Use this pressure washer for private households only:

- for cleaning machines, vehicles, buildings, tools, facades, terraces, gardening tools, etc. by means of a high-pressure water jet (if necessary, with additional cleaning agents).
- with accessories, replacement parts and cleaning agents approved by KÄRCHER. Please observe the information accompanying the cleaning agents.

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.

Environmental protection



The packaging material can be recycled. Please arrange for the environmentally appropriate disposal of the packaging.



Electrical and electronic devices often contain components which could potentially pose a danger to human health and the environment if handled or disposed of incorrectly. However, these components are necessary for the proper operation of the device. Devices marked with this symbol must not be disposed of with regular household rubbish.

Old appliances contain valuable recyclable materials that should be recycled properly. Batteries and accumulators contain substances that must not enter the environment. Please dispose of old devices and batteries or accumulators in an environmentally friendly way.



Cleaning operations which produce oily waste water, e.g. engine washes, underbody washes, may only be carried out using washing stations equipped with an oil separator.



Work with detergents must only be performed on liquid-tight work surfaces with a connection to the sewer system. Do not let release detergent into waters or earth.



The extraction of water from public waters is prohibited in some countries.

Notes about the ingredients (REACH)

You will find current information about the ingredients at:

www.kaercher.com/REACH

Description of the Appliance

The scope of delivery of the device (depending on the model) is illustrated on the packaging. These operating instructions describe all possible options.

See fold-out page 4 for illustrations

- 1 Coupling element for water connection
- 2 Water connection with integrated sieve
- 3 High pressure hose
- 4 Hose guide
- 5 Storage for spray lance
- 6 Storage / parking position for trigger gun
- 7 Connection for Plug 'n' Clean detergent
- 8 Carrying handle
- 9 Transport handle, detachable
- 10 High-pressure hose drum
- 11 Hand crank for hose drum
- 12 Appliance switch „0/OFF“ / „I/ON“
- 13 Mains cable with mains plug
- 14 Nameplate
- 15 Accessory compartment
- 16 Hooks for fastening the net
- 17 Net for accessory compartment
- 18 Bearing wheel
- 19 Base with carrying handle
- 20 Full Control trigger gun
- 21 Battery compartment
- 22 Battery compartment lock
- 23 LCD display
- 24 Battery status (empty, almost empty, medium, full)
- 25 Signal strength status (four levels)
- 26 Spray type recommendation (flat stream/detergent/dirt blaster)
- 27 Area of application (1 - SOFT / 2 - MEDIUM / 3 - HARD with two pressure levels each)
- 28 Detergent level (1 / 2 / 3)
- 29 Pressure regulation + / -
- 30 Lock trigger gun
- 31 Button for detaching the high-pressure hose from the trigger gun
- 32 3-in-1 multi jet spray lance (with three spray types)
- 33 Flat jet nozzle (three areas of application with two pressure levels each) - for the most common cleaning tasks.
- 34 Dirt blaster (one area of application with two pressure levels) - for stubborn contamination.
- 35 Detergent nozzle (three dosing levels) - For dosing detergents

* Optional

- 36 Foam nozzle
For effective detergent foam.
- 37 Detergent
- 38 Plug 'n' Clean detergent bottle with locking lid

** Additionally required

- 39 Fabric-reinforced water hose with commercially available coupling.
 - Minimum diameter, 1/2 inches (13 mm).
 - Minimum length 7.5 m.

Assembly

See fold-out page 3 for illustrations

Mount loose parts delivered with appliance prior to start-up.

You will need the 2 included screws as well as a Philips screwdriver PH 2.

Install wheels

Illustration **A**

- ➔ Secure the wheels using the included plug. Align the plug properly!
- ➔ Insert the cover and screw in.

Installing the base

Illustration **B**

- ➔ Insert base.
- ➔ Insert the included dowels all the way into the holes.
- ➔ Secure the base with the enclosed screws.

Install storage for spray lance

Illustration **C**

- ➔ Hook in storage for spray lance.
- ➔ Secure the storage for the spray lance by means of two screws.

Install the transport handle

Illustration **D**

- ➔ Attach the transport handle.
- ➔ Secure the transport handle by means of two screws.

Attach the net to the accessory compartment

Illustration **E**

- ➔ Hook the net into the hooks shown in the illustration.

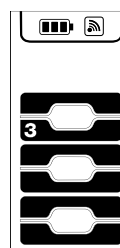
Coupling of the high-pressure gun

Before **initial** startup, the high-pressure gun must be coupled to the high-pressure cleaner.

- ➔ Insert the mains plug into the socket.
- ➔ Within one minute, simultaneously press the + and - buttons on the high-pressure gun.
- ➔ Hold down the buttons until the entire signal strength symbol flashes.

Once coupling is complete, all six pressure levels will be displayed.

Note: You can find a detailed description of the coupling here: <https://www.kaercher.com/FCR>



Start up

- ➔ Park the appliance on an even surface.

Illustration **F**

- ➔ Put the high-pressure hose through the hose guide from the back.

Illustration **G**

- ➔ Push the high pressure hose into the trigger gun until it locks audibly.
Note: Make sure the connection nipple is aligned correctly.
 Check the secure connection by pulling on the high pressure hose.
- ➔ Unwind the high pressure hose from the hose drum.
- ➔ Insert the mains plug into the socket.

Water supply

For connection values, see type plate/technical data.

ATTENTION

Impurities in the water can damage the high-pressure pump and the accessories. For protection, the use of the KÄRCHER water filter (optional accessory, order no. 4.730-059) is recommended.

Water supply from mains

Observe regulations of water supplier.

ATTENTION

Hose couplings made of metal with aquastop can damage the pump! Please use plastic couplings or KÄRCHER brass couplings.

Illustration **H**

- ➔ Screw the coupling element to the water connection on the appliance.
- ➔ Attach the water supply hose to the coupling on the water connection.
- ➔ Connect the water supply hose to the water supply.
- ➔ Completely open the water tap.

Drawing in water from open reservoirs

This high-pressure cleaner is suited to work with the KÄRCHER suction hose with backflow valve (Optional accessory, order no. 2.643-100) to draw in surface water, e.g. from water butts or ponds (see specifications for max. suction height).

Note: With vacuuming operation, the coupling for the water connection is not required.

- ➔ Fill the suction hose with water.
- ➔ Screw the suction hose into the water connection of the appliance and insert it into the water source (e.g. rainwater drum).

Bleed the device as follows prior to operation:

- ➔ Turn on the appliance "I/ON".
- ➔ Unlock the lever of the trigger gun.
- ➔ Push the lever of the trigger gun, the device will switch on.
- ➔ Using the +/- buttons, set the high-pressure gun to detergent level 1.
- ➔ Let the device run (max. 2 minutes) until the water exits the trigger gun without bubbles.
- ➔ Release the lever of the trigger gun.
- ➔ Lock the lever of the trigger gun.

Operation

ATTENTION



















Dry running of more than 2 minutes leads to damage of the high-pressure pump. If the appliance does not build up pressure within 2 minutes, switch the appliance off and proceed in accordance with the instructions in Chapter "Troubleshooting".

Full Control Plus System

The +/- buttons on the high-pressure gun can be used to select the pressure and detergent dosing levels. It is possible to change spray type by turning the 3-in-1 multi jet spray lance.

ATTENTION

The sensitivity of the materials can strongly differ depending on the age and the condition. The so-called recommendations are non-binding.

Pressure level	For example, recommend- ed for
 Flat jet nozzle	
	  Stone terraces, asphalt, metal surfaces, garden utensils (wheelbarrow, spade, etc.)
	  Motorcar / motorcycle, brick surfaces, plastered walls, plastic furniture
	  Wooden surfaces, bicycles, sand stone surfaces, rattan furniture
 Dirt blaster	
	  For especially stubborn dirt on stone terraces, asphalt, metal surfaces, garden utensils (wheelbarrow, spade, etc.)
 Detergent nozzle	
	  Operation with detergent. Dosing the detergent concentration as needed.

Note: When working with T-Racers and other accessories, the pressure indicator is not indicative. So that correct function is guaranteed, always set the pressure on the high-pressure gun to the highest level. Make any possible adjustments directly on the accessories.

High pressure operation

CAUTION

Keep a distance of at least 30 cm when using the jet for cleaning painted surfaces to avoid damage.

ATTENTION

Car tyres, paint or sensitive surfaces such as wood should not be cleaned with the dirt blaster, as there is a risk of damage.

Illustration I

- Push the 3-in-1 multi jet spray lance into the high-pressure gun and fasten it by a 90° rotation (observe alignment!).
- Select spray type, by turning the 3-in-1 multi jet spray lance until the required spray display is visible above.
- Turn on the appliance "I/ON".
- Unlock the lever of the trigger gun.
- Push the lever of the trigger gun, the device will switch on.

Note: Release the lever of the trigger gun; the device will switch off again. High pressure remains in the system.

Operation with detergent

* Optional accessories

Most KÄRCHER detergents can be bought ready to use in a Plug 'n' Clean detergent bottle.

⚠ **DANGER**

When using detergents, the material data safety sheet issued by the detergent manufacturer must be adhered to, especially the instructions regarding personal protective equipment.

Note: Detergent can only be added when the device is operated in low pressure mode.

Illustration J

- Remove the cap of the Plug 'n' Clean detergent bottle.
- Push the detergent bottle with the opening pointing downwards into the connection for the Plug 'n' Clean detergent.
- Turn the 3-in-1 multi jet spray lance to detergent nozzle "MIX".
Note: This will mix the detergent with the water stream.
- Using the +/- buttons of the high-pressure gun, set the desired detergent concentration.

Foam nozzle

- Connect the detergent tank to the foam nozzle.
- Connect the foam nozzle to the trigger gun.

Recommended cleaning method

- Spray the detergent sparingly on the dry surface and allow it to react, but not to dry.
- Spray off loosened dirt with the high pressure jet.

After operation with detergent

- Remove the Plug 'n' Clean detergent bottle from the intake and close it with the lid.
- For storage, put the detergent bottle into the retainer with the cap pointing up.
- To rinse, operate the device for about 30 seconds in detergent level 1.

Interrupting operation

- Release the lever of the trigger gun.
- Lock the lever of the trigger gun.

Illustration K

- Put the trigger gun with the spray lance into the parking position.
- During longer breaks (more than 5 minutes), also turn the appliance off using the "0/OFF" switch.

Finish operation

⚠ **CAUTION**

Only separate the high-pressure hose from the trigger gun or the device when there is no pressure in the system.

ATTENTION

When disconnecting the supply or high pressure hose, warm water may leak from the connections after operation.

- Release the lever of the trigger gun.
- Turn off tap.
- Press the lever of the high-pressure gun for 30 seconds to release any remaining pressure in the system.
- Release the lever of the trigger gun.
- Lock the lever of the trigger gun.
- Detach the appliance from the water supply.
- Turn off the appliance "0/OFF".
- Disconnect the mains plug from the socket.

Transport

⚠ **CAUTION**

Risk of personal injury or damage!

Mind the weight of the appliance during transport.

When transporting by hand

- Lift appliance by the carrying handle and carry it.
- Pull out the transport handle until it audibly snaps into place.
Pull the appliance by its transport handle.

When transporting in vehicles

- Prior to horizontal transport: Remove the Plug 'n' Clean detergent bottle from the intake and close it with the lid.
- Secure the appliance against shifting and tipping over.

Storage

⚠ **CAUTION**

Risk of personal injury or damage!

Consider the weight of the appliance when storing it.

Storing the Appliance

- Park the machine on an even surface.
- Detach spray lance from the trigger gun.
- Push the disconnect button on the trigger gun and pull the high-pressure hose out of the trigger gun.
- Place the trigger gun into the storage for the trigger gun.
- Put the 3-in-1 multi jet spray lance into the storage for the spray lance.
- Store the mains connection in the accessory compartment.

⚠ **CAUTION**

Risk of personal injury or damage!

Observe the rotation direction of the hose reel upon coiling up the high-pressure hose.

- Coil up the high-pressure hose.
Turn the hose reel in a **counter-clockwise direction** using the crank handle.

Prior to extended storage periods, as during the winter, also observe the instructions in the Care section.

Frost protection

ATTENTION

Appliances and accessories that are not completely drained can be destroyed by frost. Completely drain appliance and accessories and protect them against frost.

To avoid damage:

- ➔ Detach the appliance from the water supply.
- ➔ Detach spray lance from the trigger gun.
- ➔ Turn on the appliance "I/ON".
- ➔ Push the lever of the trigger gun until no more water is escaping (approx. 1 min).
- ➔ Release the lever of the trigger gun.
- ➔ Lock the lever of the trigger gun.
- ➔ Turn off the appliance "0/OFF".
- ➔ Store the appliance and the entire accessories in a frost free room.

Care and maintenance

⚠ DANGER

Risk of electric shock.

- ➔ *Prior to all work on the appliance, switch off the appliance and pull the power plug.*

Clean the sieve in the water connection

Clean the sieve in the water connection regularly.

- ➔ Remove coupling from the water connection.

ATTENTION

The sieve must not be damaged.

Illustration **L**

- ➔ Pull the sieve out using flat pliers.
- ➔ Clean the sieve under running water.
- ➔ Reinsert the sieve into the water connection.

Changing the batteries of the trigger gun

The batteries are depleted if nothing or the following is shown on the display of the high-pressure gun.

Two batteries or accumulators of the size AAA are required.

Illustration **M**

- ➔ Push the locking slide.
- ➔ Open battery compartment.
- ➔ Remove the batteries.
- ➔ Insert new batteries and observe the correct orientation of the terminals.
- ➔ Close battery compartment.
- ➔ Dispose of the used batteries according to the local provisions.



Troubleshooting

⚠ DANGER

Risk of electric shock. Turn off the appliance and remove the mains plug prior to performing any care and maintenance work.

Repair work and work on the electrical components may only be performed by an authorised customer service. You can rectify minor faults yourself with the help of the following overview.

If in doubt, please consult the authorized customer service.

Appliance is not running

- ➔ Push the lever of the trigger gun, the device will switch on.
- ➔ Check whether the voltage indicated on the type plate corresponds to the voltage of the mains supply.
- ➔ Check the mains connection cable for damages.
- ➔ Motor overloaded, the motor circuit breaker has tripped.
 - Turn off the appliance "0/OFF".
 - Allow the device to cool down for **one hour**.
 - Switch on the device and put it into operation again. If the malfunction occurs repeatedly, have the device checked by the customer service.

Appliance does not start, motor hums

Voltage reduction due to weak mains supply or when using an extension cable.

- ➔ Upon switch-on, push the lever of the trigger gun first and then switch the power switch to "I/ON".

Pressure does not build up in the appliance

- ➔ Check setting at the spray lance.
- ➔ Check water supply for adequate delivery rate.
- ➔ Pull out the sieve in the water connection using flat-nose pliers and clean under running water.
- ➔ Remove air from appliance before operation. Switch on the appliance without connection the HP hose (max. 2 minutes) and run it until the water discharging from the HP outlet is free of bubbles. Switch off appliance and reconnect HP hose.

Strong pressure fluctuations

- ➔ Clean high-pressure nozzle: Remove dirt and debris from the nozzle bore, using a needle and rinse through with water from the front.
- ➔ Check water flow quantity.

Appliance is leaking

- ➔ Dropwise leakage of the device is normal for technical reasons. If the leakage increases contact the authorized customer service.

No detergent infeed

- ➔ Turn the 3-in-1 multi jet spray lance to detergent nozzle "MIX".
- ➔ Check whether the Plug 'n' Clean detergent bottle is placed into the detergent connection facing down.

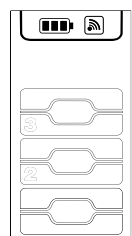
No pressure indicator on the trigger gun

- ➔ Check / replace the batteries
- ➔ Decrease the distance between high-pressure gun and high-pressure cleaner.
- ➔ Couple it to the high-pressure cleaner again.

Error messages

- ➔ Switch off the device and pull the mains plug out of the socket.
- ➔ After 20 seconds, insert the power cord back into the socket and switch the device on.

If the malfunction occurs repeatedly, have the device checked by the customer service.



Emergency operation

If the pressure regulation on the high-pressure gun is defective (electronic defect, battery empty, etc.), the high-pressure cleaner continues operating at the level that was last set.

To activate emergency operation at the maximum level:

- ➔ Switch off the device and pull the mains plug out of the socket.
- ➔ Insert the power cord back into the socket and switch the device on.

Technical specifications

Electrical connection

Voltage	230 V 1~50 Hz
Connected load	2,1 kW
Type of protection	IPX5
Protective class	I
Mains fuse (slow-blow)	10 A

Water connection

Max. feed pressure	1,2 MPa
Max. feed temperature	40 °C
Min. feed volume	10 l/min
Max. Suction height	0,5 m

Performance data

Working pressure	12,5 MPa
Max. permissible pressure	14,5 MPa
Water flow rate	7,5 l/min
Max. flow rate	8,3 l/min
Detergent flow rate	0,3 l/min
Recoil force of the trigger gun	17 N

Remote module SRD

Frequency	868,7- 869,2 MHz
Transmission power ERP	0,53 mW

Dimensions and weights

Length	411 mm
Width	305 mm
Height	584 mm
Weight, ready to operate with accessories	15,3 kg

Values determined as per EN 60335-2-79

Hand-arm vibration value	1,0 m/s ²
Uncertainty K	0,6 m/s ²
Sound pressure level L _{pA}	76 dB(A)
Uncertainty K _{pA}	3 dB(A)
Sound power level L _{WA} + Uncertainty K _{WA}	92 dB(A)

Subject to technical changes.

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.

Addresses can be found under:

www.kaercher.com/dealersearch

EU Declaration of Conformity

We hereby declare that the machine described below complies with the relevant basic safety and health requirements of the EU Directives, both in its basic design and construction as well as in the version put into circulation by us. This declaration shall cease to be valid if the machine is modified without our prior approval.

Product: High pressure cleaner

Type: K 5 Premium Full Control Plus

Relevant EU Directives

2006/42/EC (+2009/127/EC)

2014/53/EU

2011/65/EU

2000/14/EC

Applied harmonized standards

EN 60335-1

EN 60335-2-79

EN 62233: 2008

EN 300 220-2 V3.1.1

EN 50581

Applied conformity evaluation method

2000/14/EC: Appendix V

Sound power level dB(A)

Measured: 89

Guaranteed: 92

The signatories act on behalf of and with the authority of the company management.



H. Jenner
Chairman of the Board of Management



S. Reiser
Director Regulatory Affairs & Certification

Documentation supervisor:
S. Reiser

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