

KÄRCHER

YELLOW FILE
CW 1 KLEAN!FIT

The new entry class rollover

DATE: MAY 2022




RCHER



TOP THREE TO TALK ABOUT

EXCELLENT WASHING & DRYING AT AFFORDABLE PRICE

Excellent washing and drying results with no frills. Rollover offers the necessary functions at an affordable price.
Ideal solution for cost-conscious operators interested in low ownership costs.

BEST WASH HALL USAGE IN TERMS OF WASH WIDTH AND LENGTH

Drive-through width at mirror height increases to 2.50 m and enables a secure vehicle positioning.
Low construction depth allows the rollover to fit in shorter halls.

MADE IN GERMANY WITH PROVEN TECHNOLOGY

Rollover is manufactured in Germany and incorporates the well-known German Kärcher quality.
Used components are already established and their lifetime has been proven (CB 3, CWB 3).

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AGENDA

1. TARGET GROUPS
2. PRODUCT NAMING
3. POSITIONING
4. ADVANTAGES & BENEFITS
5. FEATURE OVERVIEW
6. COMPETITIVE ROLLOVERS
7. PRODUCT DATA SHEET
8. CONSUMPTION DATA
9. CERTIFICATION
10. CLEANING AGENTS
11. MARKETING, SALES & SERVICE
12. FAQS

1. TARGET GROUPS & AREAS OF APPLICATIONS

CW 1 Klean!Fit fits perfectly for car dealerships, car rentals and small gas stations

Target groups



car dealerships



car rentals



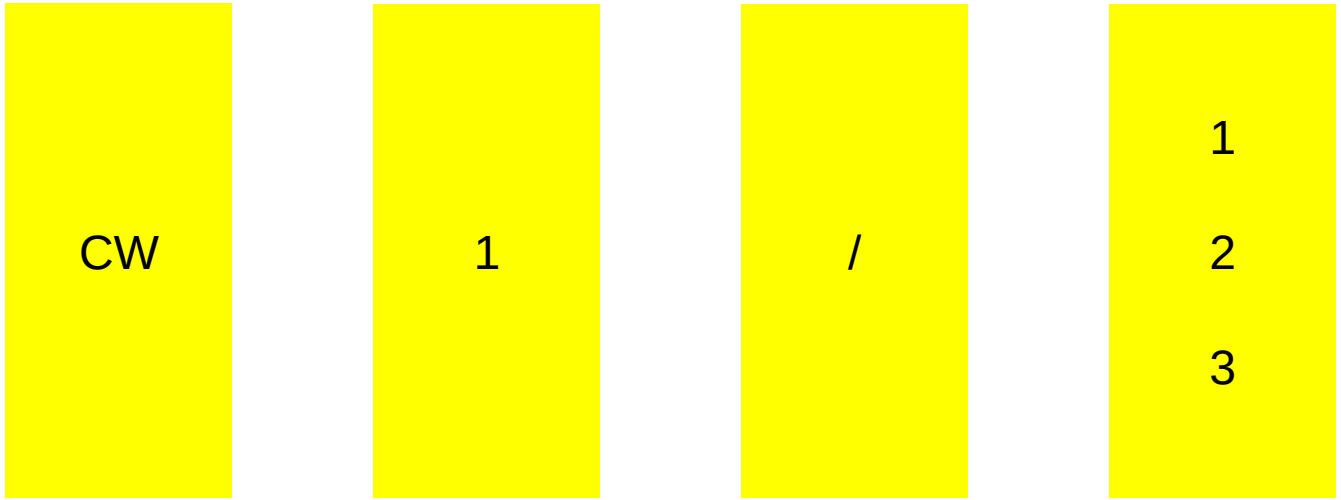
small gas stations

Reasons

- Focus lies on customers interested in offering service washes with excellent results at low price → very cost-conscious
- Prime interests are good functionality wit low maintenance effort → low investment and ownership costs

2. PRODUCT SOLUTION - CLASSIFICATION

CW 1 is available in three wash heights



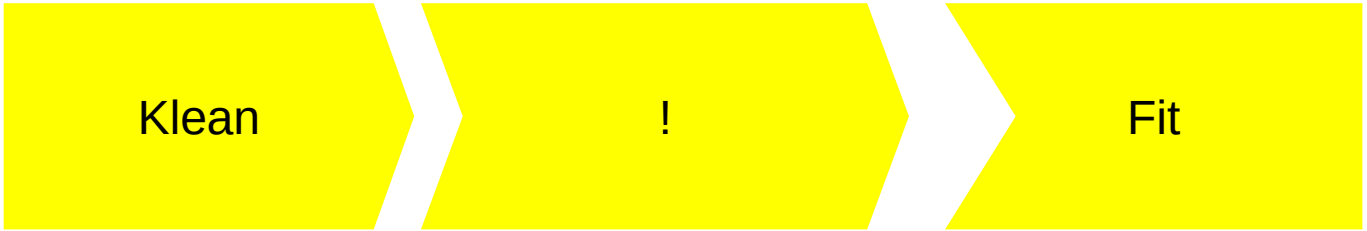
Product group
CW = car wash

1 = entry class

Wash heights
1 = 2.30 m
2 = 2.60 m
3 = 2.90 m

2. PRODUCT SOLUTION - NAMING

Klean!Fit fits in every occasion and has a high level of robustness



From cleaning but in Kärcher design (K)

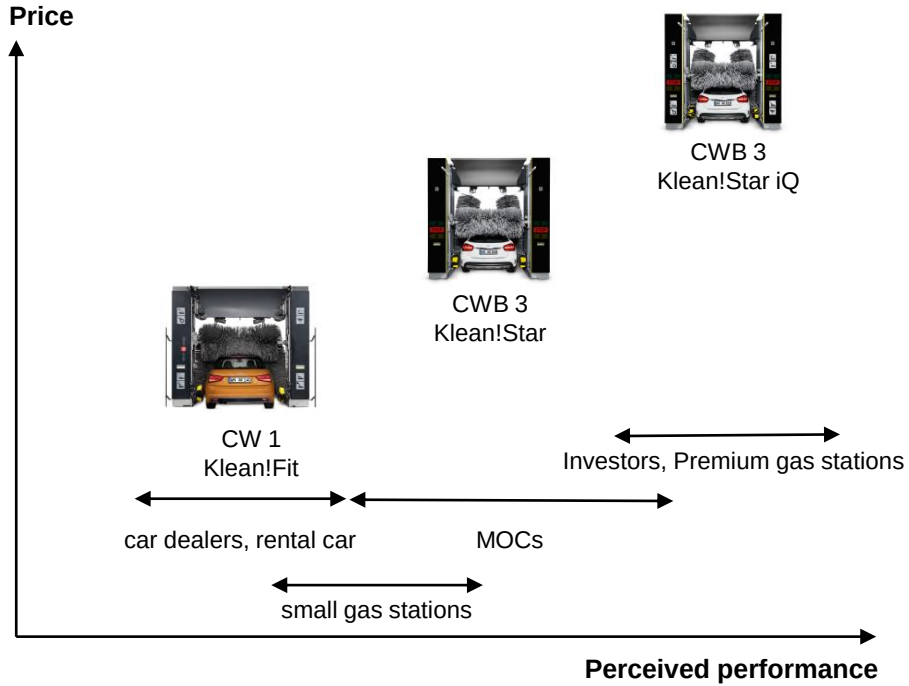
Orientation towards existing Kärcher brand names (e.g. Easy!Force)

Fits in every occasion, fit = reliable, robust, workhorse

3. POSITION IN KÄRCHER RANGE

CW 1 Klean!Fit is positioned as an entry-class rollover in the Kärcher portfolio

Portfolio Target 2022



Positioning of CW 1 Klean!Fit

•Klean!Fit price comparison:

- vs CB 3: 8%-9% cheaper
- vs Klean!Star: 12%-15% cheaper

•Klean!Fit gives us the possibility to compete better in:

- Car dealers
- Rental cars
- Small petrol stations

3. POSITION IN KÄRCHER RANGE

CW 1 Klean!Fit focuses on the essential requirements in the entry-class segment

			
Features	**Klean!Fit**	**Klean!Star**	**Klean!Star iQ**
Design	Basic	Basic K!Design	K!Design K!Design iQ (frame illumination optionally) K!Design iQ OpenArt (frame illumination optionally)
Wheel wash	Disk wheel wash (with or without hp)	Scissor wheel wash (with or without hp, disk or planetary, no height adj.)	K!Wheel iQ (disk with height ad.) K!Planet iQ (planetary with height adj.)
Brushes	Standard (PE, CareTouch and CT Hybrid)	Standard (CareTouch or CT Hybrid)	Standard (CareTouch, Hybrid,Textil) K!Brush iQ (CareTouch) K!Back iQ (CareTouch, Hybrid,Textil)
High pressure options	Wheel high pressure Wheel and side hp combined	Wheel hp Wheel and side hp, combined Roof hp rigid, swivelling and on separate arms	Wheel hp Wheel and side hp, separate operation K!Jet iQ (oscillating side hp) Roof hp rigid, swivelling and on separate arms
Cleaning options	Shampoo, Drying Aid, Foam, Wax, Polish	Add. to Klean!Fit: rim cleaner, foamed wax, intensive prewash	Add. to Klean!Star: K!Foam iQ, rim cleaner foamed, one additional wax unfoamed/foamed

3. POSITION IN KÄRCHER RANGE

CB 3 will be phased out at the beginning of 2023 and it is replaced by CW 1 or CWB 3

			
Features	**Klean!Fit**	**CB 3**	**Klean!Star (iQ)**
Drive-through width at mirror	2.50 m	2.40 m	2.45 m
Fully assembled	Available up to 2.60 m wash height	Not available	Available up to 2.60 m wash height
Drive unit	Via friction wheels	Via friction wheels	Via rack drive
Electrical control	Main switch cabinet from CB3 Main supply distributor from CWB 3 PLC similar to CWB3	Double frequency converter Display on board Electronic brush control Can-Bus Control	Double frequency converter External Touch-Display Electronic brush control Can-Bus Control
Required bay length for 5m car	~ 8.38 m (depending on scope)	~ 8.66 m (depending on scope)	~ 8.87 m (depending on scope)
Washing area	Starts 0.18 m from the floor up to wash height	Starts 0.25 m from the floor up to wash height	Starts 0.18 m from the floor up to wash height
Drying area (side dryer)	Fan starts at 1 m from the bottom	Fan starts at 0.7 m from the bottom	Fan starts at 0.6 m from the bottom

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3. POSITION IN KÄRCHER RANGE

CB 3 will be phased out at the beginning of 2023 and it is replaced by CW 1 or CWB 3

			
Features	**Klean!Fit**	**CB 3**	**Klean!Star (iQ)**
Traffic light	Same traffic lights as CB 3 (left or right only)	Three LED lights integrated in metal door, two arrows, one circle (left / right or both sides)	Three LED lights integrated in PE door, stripe shape
Wheel wash	Disk wheel wash (with and without hp)	Disk/planetary wheel wash (with and without hp)	Disk/planetary wheel wash (with and without hp, with and without height adj.)
Foam arch	Separate foam arch and dosing pump	Combined spray arch separate dosing pump	Separate foam arch and dosing pump
Roof dryer	Available as rigid and additional swivelling lamella	Available as rigid and additional swivelling lamella	Available as rigid and swivelling +/-30° (no lamella)
Roof high pressure	Not available	Available (one or two pipes)	Available as rigid and swivelling mounted on dryer and on separate arms attached to the roof brush
Control unit	Control panel with buttons (3 or 8), updated design	Control panel with buttons (3 or 8)	Control panel with touch display

4. FEATURES - ADVANTAGES - BENEFITS

Main features of CW 1 Klean!Fit underline its character of being cost-efficient and effective

	Feature	Advantages	Customer Benefit
	Optimized construction depth (axial spacing of the brush elements is shorter)	Washing length increases	Good hall space utilization Possibility to wash longer cars = more turnover, higher customer satisfaction
	Extended drive through width at mirror and wheel wash height	More space for a convenient and secure vehicle positioning	More flexibility to react to different vehicle dimensions without the necessity of additional investment costs
	Separate foam arch and dosing pump	No mixing of cleaning agents occurs	More flexibility in program sequence
	Combined use of high pressure pump (only for 16 bar pump) for high pressure and brush wash (one supply line)	No additional supply pump and hose is needed for reclaim water	Less investment costs Less space requirement in equipment room Less pump components= less maintenance
	Quick-wash option (service wash)	Fast and more vehicle throughput	More turnover

5. FEATURES OVERVIEW

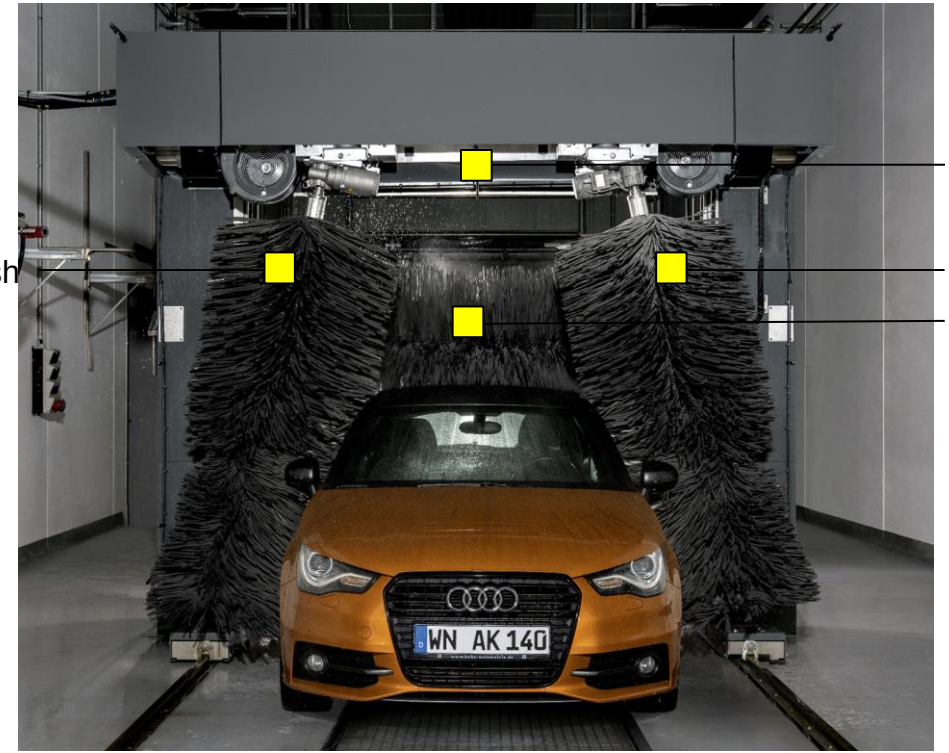
View from the front



* Available left or right side

5. FEATURES OVERVIEW

View from the back



5. FEATURES OVERVIEW

Following features are required for the configuration

Configurable ex works



1.534-300.2

Required

- **Wash height specification**
- **Washing material**
- **Wheel wash**
- **Drying**
- **Water supply**
- **High pressure pumps**
- **Energy supply**

5. FEATURES OVERVIEW

Following features are optional for the configuration

Configurable ex works



1.534-300.2

Options

- **Splash protection**
- **Safety devices**
- **Cleaning & conservation**
- **High-pressure versions**
- **Frost protection**
- **Gate control**
- **Operation panel**

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5.1 FEATURES – BRUSHES AND DRYER

CW 1 Klean!Fit focuses on the essentials in terms of equipment

Brushes (side/roof):

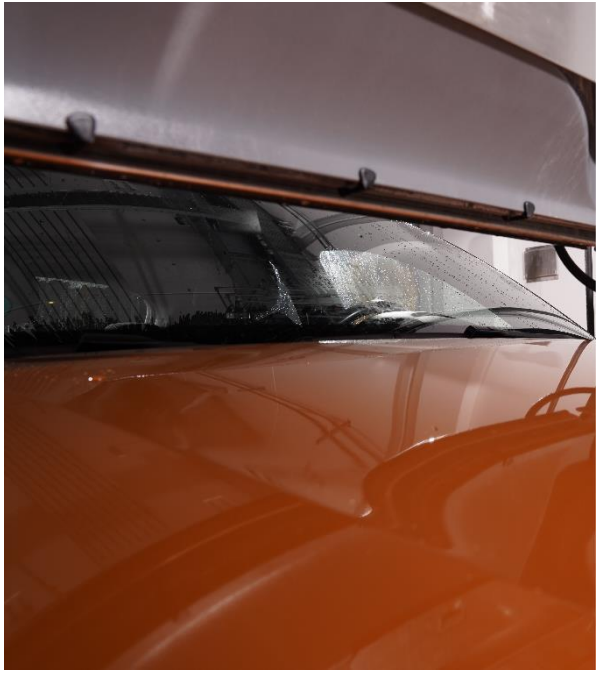
- Available with PE, CareTouch and CareTouch Hybrid material
- Side brush inclination of 12°

Wheel wash:

- Available as disc wheel washer without height adjustment

Dryer:

- Roof and side dryer offered as rigid, 4 x 3kW
- Swivelling lamella available as an option, 35° tilting at the rear
- It works without light barriers, using the roof brush memory contour



5.2 FEATURES - HIGH PRESSURE OPTIONS

Wheel and side high pressure for an optimal cleaning

High pressure 16bar 100L/min:

- Efficient side high pressure with **16 bar 100L/min** in combination with wheel high pressure. It can feed simultaneously the brushes, saving the **reclaimed water pump**

On board pump 70bar 20L/min:

- Wheel high pressure also as single high pressure available, **on-board pump** with 70 bar and 20 l/min

- For an optimal cleaning of sill and side areas



5.3 FEATURES - CLEANING AND CARING OPTIONS

A maximum of five dosing pumps is available

STANDARD WASHING PROGRAMMES

Shampoo

- Not only for a powerful cleaning but also for a very gentle wash process
- Used for brush wash to remove stubborn dirt

Drying aid

- Quick opening of the water film ensures a good drying result afterwards
- Applied during rinsing process

ADDITIONAL WASHING PROGRAMMES

Active foam

- Powerful foam to intensify the cleaning result (mounted on external arch)

Wax

- To protect the vehicle against external influences and for a shiny appearance
- Shiny vehicles for satisfied customers

Polish

- Long lasting and shiny conservation of the vehicle‘s surface
- Protects the vehicle from external influences for several months
- Application through the foam pipes

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5.4 FEATURES – OTHER AVAILABLE OPTIONS

Following options are comparable to CWB 3

- Side and roof brush splash protection
- Safety switches front, safety switches rear with splash brush protection, for narrow hall with or without splash brush protection
- Fresh water operation (85/15 is standard)
- Under chassis wash as rigid (only with separate pump), rigid length controlled and pivoting length controlled
- Net separation, buffer tank, fresh/reclaim water supply pump
- Energy chain (available as 9 or 10 m), wall and floor mounted
- Wheel guides hot dipped galvanized, yellow, black/yellow
- Door control for winter operation, thermostat control, light barriers for drive-through control, panic button

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6. COMPETITIVE ROLLOVERS

CW 1 Klean!Fit outperforms its competitors in terms of quality, wash hall utilization and maintenance costs

Technical Data	Kärcher Klean!Fit 	WashTec EasyWash 	Christ Cadis 	Istobal M'START 
Wash height (m)	2.30 / 2.60 / 2.90	2.00 / 2.30 / 2.60 / 2.90	2.10 – 3.10 every 0.1 m	2.30 / 2.50 / 2.70 / 2.90
Plant height (m)	Wash height + 0.78 m	Wash height + 0.81 m	Wash height + 0.74 m	Wash height + 0.78 m
Drive through width on mirror height (m)	2.50	2.48	2.55	2.40 - 2.60
PRO	Shorter wash hall length required Made in Germany Roof splash protection Separate foam arch	Wash phases LED lights Fly-in drying system Option of light barriers for roof dryer	Roof high pressure available Available in 3.10 wash height 40°dryer rotation on the back More LED door options	Attractive pricing Rigid oscillating roof high pressure More LED options
CONTRA	No program display via LED lights	No assembly in Germany No roof splash protection Lower density on vertical brushes	Not a real basic entry class, model Sirius is phased-out Higher price range	Reliability of mechanics High maintenance costs Higher construction depth, longer wash bay required
WHY Kärcher?	Proven systems that were adopted and improved in an even better way: Control unit of CB 3 with flexible wash programs and main distributor concept of CWB 3 (one switch cabinet solution)	Use of high-quality components (e.g. Schneider Elektronik for switch cabinet and main distributor), made in Germany Better drying result: without roof splash protection, the dryer get wet during the wash	Focus on the essential cleaning options with low maintenance costs at an affordable price	Better corrosion resistance Optimized construction depth, good hall space utilization. Approx. +30cm Better drying result: without roof splash protection, the dryer get wet during the wash

7. PRODUCT DATA SHEET (1/2)

	CW 1/1	CW 1/2	CW 1/3
Wash height	2.30 m	2.60 m	2.90 m
Frame height	3.08 m	3.38 m	3.68 m
Overall height incl. roof splash guard	3.12 m	3.42 m	3.72 m
Frame width	3.50 m	3.50 m	3.50 m
Overall width rotating brushes	4.10 m	4.10 m	4.10 m
Overall width splash guards	4.12 m	4.12 m	4.12 m
Frame length rotating brushes	2.02 m	2.02 m	2.02 m
Drive through width mirror height	2.50 m	2.50 m	2.50 m
Drive through width wheel wash height	2.05 m	2.05 m	2.05 m

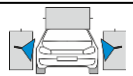
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7. PRODUCT DATA SHEET (2/2)

	CW 1/1	CW 1/2	CW 1/3
Track width travel rails	2.70 m	2.70 m	2.70 m
Hall width with safety distance	4.50 m	4.50 m	4.50 m
Washable vehicle length for 9 m travel rails	5.62 m	5.62 m	5.62 m
Sound pressure level drying system db(A)	approx. 94	approx. 94	approx. 94
Sound pressure level high pressure system db(A)	approx. 87	approx. 87	approx. 87

8. CONSUMPTION DATA

Example of washing program

Wash runs	Tasks	Estimated time (min : sec)	Reclaimed water (L)	Fresh water (L)	kWh	Shampoo (mL)	Drying aid (mL)	Foam (mL)
Run 1	 Foam	00:25		11	0,026			15
Run 2	Free	00:15			0,01			
Run3	 Brush + wheelwash + HP 16bar	02:00	124		0,167	5		
Run 4	 Brush + drying aid	01:20	22	10	0,059		10	
Run 5	 Drying	01:15			0,26			
Run 6	 Drying	01:20			0,24			
Total		**<u>06:35</u>**	**<u>146</u>**	**<u>21</u>**	**<u>0,762</u>**	**<u>5</u>**	**<u>10</u>**	**<u>15</u>**

~0,4€/wash

87% reclaimed water

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9. CERTIFICATION

CW 1 Klean!Fit is certified with the VDA signet



VDA signet

10. CLEANING AGENTS

Brush Shampoo for the highest cleaning performance

Brush Shampoo RM 811 Classic



F **Highest cleaning performance**
A High content of washing active substances
B Top cleaning result

F **High concentrate**
A Low consumption
B Cost savings

F **Gentle cleaning action**
A Supports the sliding friction of brushes
B Protects the vehicle surface
Reduces the brushes' level of subsequent soiling

F Feature A Advantage B Benefit

Area of Application

- Car de-waxing
- Vehicles cleaning
- Vehicles care
- Tarpaulin cleaning

Kind of dirt

- Oil, grease, emissions, insects, tree resin, mud (organic)
- Road dust, baked-on brake dust, tyre dust, winter salt
- Lime, grease, wax, rust, cleaning agent residues

Activity

- Pre-cleaning
- Wheel rim cleaning
- Brush wash
- Preservation
- Extra-Preservation
- Drying

Part number

20 L: 6.295-439.0

200L: 6.295-140.0

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10. CLEANING AGENTS

Active foam for a gentle cleaning action

Active Foam RM 812 Classic



F **Foam-intensive**
A Intensive cleaning effect by a stable foam blanket
B Gentle cleaning of vehicle surface

F **High concentrate**
A Low consumption, only 10 ml are sufficient
B Cost savings

F **Gentle cleaning action**
A Specially formulated content materials to protect vehicle surface as well as brushes
B Conservation of value of machines and vehicles

F Feature A Advantage B Benefit

Area of Application

- Car de-waxing
- Vehicles cleaning
- Vehicles care
- Tarpaulin cleaning

Kind of dirt

- Oil, grease, emissions, insects, tree resin, mud (organic)
- Road dust, baked-on brake dust, tyre dust, winter salt
- Lime, grease, wax, rust, cleaning agent residues

Activity

- Pre-cleaning
- Wheel rim cleaning
- Brush wash
- Preservation
- Extra-Preservation
- Drying

Part number

20 L: 6.295-430.0

200L: 6.295-137.0

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10. CLEANING AGENTS

Drying Aid for a long lasting preserving protective layer

Drying Aid RM 829 Classic



F **With preservative properties**
A Creates a long lasting preserving protective layer
B Protects the vehicle’s surface up to 4 washes

F **High concentrate**
A Low consumption
B Cost savings

F **Effective with all water hardness levels**
A Particularly suitable for soft and osmosis water
B Gloss finish

F Feature A Advantage B Benefit

Area of Application
Car de-waxing
Vehicles cleaning
Vehicles care
Tarpaulin cleaning

Kind of dirt
Oil, grease, emissions, insects, tree resin, mud (organic)
Road dust, baked-on brake dust, tyre dust, winter salt
Lime, grease, wax, rust, cleaning agent residues

Area of Application
Pre-cleaning
Wheel rim cleaning
Brush wash
Preservation
Extra-Preservation
Drying

Part number
20 L: 6.295-429.0
200L: 6.295-077.0

10. CLEANING AGENTS

Hot wax for a long lasting glossy protective film

Hot wax RM 820 Classic



F **With natural Carnaubax wax**
A Produces a long lasting glossy protective film
B Protects the vehicle up to 6 washes

F **High preservation performance**
A Protects against weathering and environmental influences
B Value retention of vehicles

F **High concentrate**
A Low consumption
B Cost savings

Area of Application

Car de-waxing
Vehicles cleaning
Vehicles care
Tarpaulin cleaning

Kind of dirt

Oil, grease, emissions, insects, tree resin, mud (organic)
Road dust, baked-on brake dust, tyre dust, winter salt
Lime, grease, wax, rust, cleaning agent residues

Area of Application

Pre-cleaning
Wheel rim cleaning
Brush wash
Preservation
Extra-Preservation
Drying

Part number

20 L: 6.295-428.0
200L: 6.295-143.0

F Feature A Advantage B Benefit

10. CLEANING AGENTS

Foam Polish for a preservation of surface from weathering and environmental influences

Foam Polish RM 837



F **With repair effect**
A Small scratches on the surface will be repaired
B Regular use leads to a longer lifetime of the paint and permanently visible sheen

F **Preservation and care**
A Protects the surface from weathering and environmental influences
B Preserves the surface of the vehicle up to 10 washes

F **High concentrate**
A Optimized consumption rate 25 ml per vehicle
B High product performance for low cost

Area of Application
Car de-waxing
Vehicles cleaning
Vehicles care
Tarpaulin cleaning

Kind of dirt
Oil, grease, emissions, insects, tree resin, mud (organic)
Road dust, baked-on brake dust, tyre dust, winter salt
Lime, grease, wax, rust, cleaning agent residues

Area of Application
Pre-cleaning
Wheel rim cleaning
Brush wash
Preservation
Extra-Preservation
Drying

Part number
20 L: 6.295-430.0
200L: 6.295-137.0

F Feature A Advantage B Benefit

11 MARKETING, SALES & SERVICE

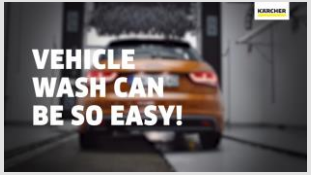
Marketing & Sales material

Product pictures



MediaCenter

Video



Cliplister

Brochure



MediaCenter

Head to Head



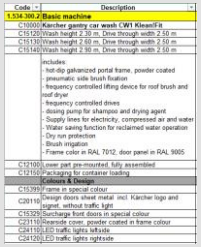
SmartBox Vehicle Wash

User manual



On request

Configuration sheet



Code	Description
1.534-300.2	Basic machine
C10000	Kärcher gantry car wash CW1 KleanFit
C15120	Wash height 2.30 m, Drive through width 2.50 m
C15130	Wash height 2.60 m, Drive through width 2.50 m
C15140	Wash height 2.90 m, Drive through width 2.50 m
	includes - hot-dip galvanized portal frame, powder coated - pneumatic side brush fixation - frequency controlled lifting device for roof brush and roof dryer - frequency controlled drives - dosing pump for shampoo and drying agent - Supply lines for electricity, compressed air and water - Water saving function for reclaimed water operation - Dry run protection - Brush irrigation - Frame color in RAL 7012, door panel in RAL 9005
C12100	Lower part pre-mounted, fully assembled
C12150	Packaging for container loading
	Colours & Design
C15399	Frame in special colour
C20116	Design doors sheet metal incl. Kärcher logo and signet, without traffic light
C15325	Surcharge front doors in special colour
C23110	Rearside cover, powder coated in frame colour
C24110	LED traffic lights leftside
C24120	LED traffic lights rightside

Preseries until week 36 2022:
Request an offer to sales department

Serial production from week 37 2022:
Once all preseries are confirmed, the price list will be published in Smartbox.
Estimated on week 24

11 MARKETING, SALES & SERVICE

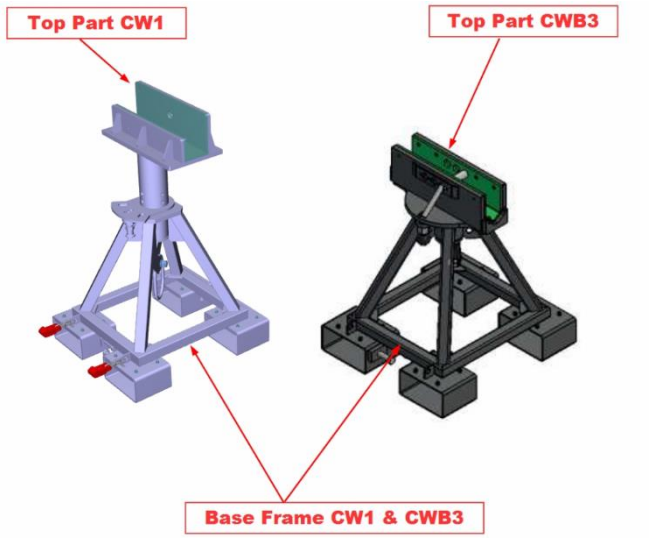
Standard offers

	Basic configuration	Top configuration
Base machine	Washing height: 2,6m Drive through width: 2,5m Rails width: 2,7m Frame on RAL 7012 (anthrazit) Shampoo & drying aid 85/15 water distributor Energy chain on wall Galvanized rails Dryer 4 x 3kW with swivelling lamella	Washing height: 2,6m Drive through width: 2,5m Rails width: 2,7m Frame on RAL 7012 (anthrazit) Shampoo & drying aid 85/15 water distributor Energy chain on wall Galvanized rails Dryer 4 x 3kW with swivelling lamella
Doors & design	Basic door on black RAL 9005 (black) Traffic light on left door Wash phases stickers	Basic door on black RAL 9005 (black) Traffic light on left door Wash phases stickers
Brushes	CareTouch (2 side, 1 roof brush)	CareTouch (2 side, 1 roof brush)
Splash protection and safety switches	Roof brush splash protection Side brush splash protection left + right	Roof brush splash protection Side brush splash protection left + right
Wheelwash and high pressure	Disc brush wheelwash	Disc brush wheelwash with HP Side HP fixe, simultaneous operation with wheel wash HP 16bar 5,5kW 100L/min pump
Cleaning and conservation options	Foam prewash side	Foam prewash side Wax Polish
Control unit	Control panel Basic - 3 buttons, max. 7 programs Main supply distributor	Control panel Basic - 3 buttons, max. 7 programs Main supply distributor
List price	**70.800€**	**79.040€**

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11 MARKETING, SALES & SERVICE

Special tools



Assembly tool partially compatible to CWB 3

The CW 1 Klean!Fit requires a very similar tool for a safety installation.

The frame of the tool is the same as for the CWB 3, so it is only required a new top adaptor for its installation.

Please check further details in the installation manual.

12. FAQ

1. Which wash heights are available?
The Klean!Fit is available in 3 wash heights: 2.30 m, 2.60 m and 2.90 m

2. Is a fully assembled rollover shipment possible?
Yes. The rollover can be delivered either fully assembled (max. 2.60 m wash height) or semi-assembled with detached drives.

3. How long is the installation time for the Klean!Fit?
The installation time depends on the selected options. In general, it will be around 3.5 to 5 days with two servicemen.

4. What kind of washing materials are available?
The Klean!Fit can be equipped with CareTouch, CareTouch Hybrid or PE.

12. FAQ

5. Is the rollover powder-coated?
Yes. The rollover will be delivered hot-galvanized and powder-coated.

6. Is there any water saving function available?
Yes. The water saving function (85/15) is standard for the rollover.

7. How many cleaning agents canisters can be carried onboard?
Up to five canisters can be carried onboard for the three wash heights 2.30 m, 2.60 m and 2.90 m.

8. Is it possible to use existing Kärcher travel rails?
Yes, it is possible.

12. FAQ

9. Is it possible to adjust the Klean!Fit to the track width of the competitors' gantries?
No, it is not possible. Only 2.70 m track width is available.

10. Is it possible to use existing high-pressure pumps?
It is possible to connect 16 bar pumps (60 bar pumps not ready yet).

11. Is there a high maintenance effort for the rollover?
No. The maintenance effort is reduced to a minimum as there are no grease nipples and chains installed. The rollover can be accessed from the front.

MAKE A DIFFERENCE
THANK YOU