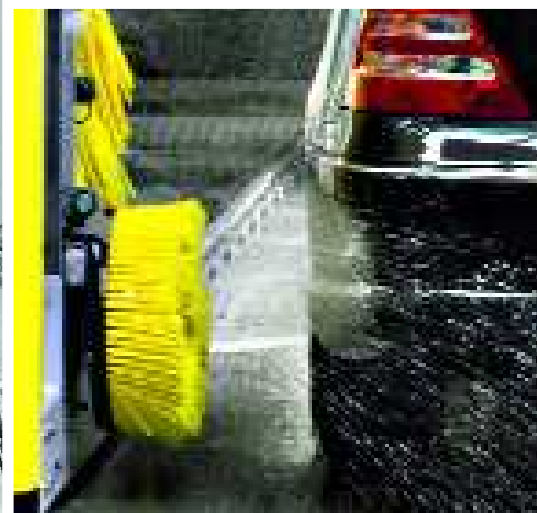


Attractive, user-friendly, reliable –  
the new Kärcher gantry car washes



## Reliable system for modern car washing

With its innovative concept, from an entry-level model to a professional wash centre, the Kärcher CB line meets the broadest range of requirements in automatic car washing. It is the result of a new development programme which has produced a simple, maintenance-free system incorporating advanced technology and high-grade components.

The consistent quality of the engineering, finish and control system considerably simplifies operation, maintenance and service. The CB line's attractive appearance stands for exceptional washing and drying results.



**Check here for more information:**

Basic equipment of CB Line

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Cleaning agents

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Versions and accessories

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Card readers and payment systems

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Water recycling systems

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Planning and operator concepts

**Page 11**



### Professional vehicle washing

Kärcher offers you a comprehensive solution to professional vehicle washing: an extensive range of car and commercial vehicle washes with matching cleaning and care agents as well as water treatment plants, fully equipped coin-op wash centres and all the peripheral equipment, from pressure washers to vacuum cleaners.



### Perfect wash quality

The ingredients of Kärcher cleaning and care agents are exactly formulated to suit the type of plant and application and are guaranteed to give you the best wash results. The range covers prespraying, wheel cleaning, main / foam wash, drying and finishing, wax and underbody care.



### Sparing use of resources

Quickly installed, effective and economical in operation – Kärcher recycling plants with a capacity of up to 25 m³/h help you take full advantage of potential savings in modern vehicle washing.



### All clean with Kärcher

With Kärcher's range of equipment you cover all your indoor and outdoor cleaning tasks: Whether you need a scrubber-dryer, a powerful pressure washer or a wet-and-dry vacuum, you can trust our decades of experience as cleaning specialists.



### High brand recognition

The Kärcher name stands for cleanliness. Customers put their trust in the performance of Kärcher vehicle washes because of our well-known brand name (aided brand recognition of 92% in the consumer segment in Germany) and the positive image of a worldwide brand.



### Reassuringly close

Kärcher's worldwide service network of 36,000 sales outlets offers its customers excellent service support and availability. That means reduced down times for service and maintenance and shorter distances for replacement parts and accessories.





## The perfect basis for gleaming results

The CB line not only looks good, its engineering is simple and robust and thus fulfils all the prerequisites for minimum maintenance and operating costs. The intelligent software concept ensures easy installation and operation of the plant. It runs so reliably that you can concentrate entirely on your customers.

Attractive design, simple handling, perfect wash quality:  
The CB line has a lot to offer your customers

### First impressions count

- All models in the CB line are **consistently finished in the Kärcher colour scheme**. The well-known brand name gives customers **confidence in the wash quality** and guarantees maximum recognition.
- The clearly laid out front panel with a high-quality **LED traffic light** and optional illuminated **wash phase indicators** creates an inviting appearance and facilitates customer guidance and vehicle positioning.
- **Covered brushes**, easily washed **polymer panels** and a **colour scheme that does not show the dirt** promote the clean, professional impression.



### Thorough vehicle wash



- **Dirt and insects** are loosened gently but effectively with **active foam**.



- The high-pressure prewash with Kärcher power nozzles ensures **efficient removal of loose dirt** with maximum paintwork protection.



- **Brush and wheel wash in a single cycle**. Tyres and wheels area cleaned thoroughly with the **wheel wash** which alternates its direction of rotation.



- The **contour-controlled blower unit** integrated in the gantry guarantees superb drying results.

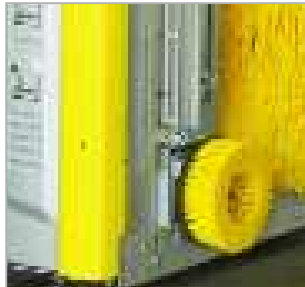
## High-grade materials, maintenance-free technology, simple operation:

The CB line guarantees high efficiency in maintenance, operation and running costs



### No maintenance

- The CB line promises **maintenance-free**
  - **bearings and guides**
  - **direct drive** for side brush travel
  - as well as **flat belt drive** for lifting movements
- The use of **high-quality geared canned motors** guarantees a long service life.



### Plant longevity

- Steel components are **hot-galvanised** and **powder coated** for additional protection against the wet and aggressive environment.
- Highly **stressed and exposed** parts, such as doors, paneling, guide rails and the wheel wash, are made of **high-grade plastics** or **stainless steel**.



### Direct access

- Switchgear cabinet is integrated in the gantry for **ease of servicing** and to **save space**.
- Plant is **accessible from three sides** for ease of servicing.
- In preparation is an integrated interface for reporting malfunctions via the **Canbus system** to a cell phone, PC or online to ensure **rapid remedial action**.



### More convenience

- **Compact high-pressure unit** with Kärcher **power nozzles** for perfect results.
- The wash can be equipped with a **choice of polyethylene or Carlite brushes**.
- **Large volume cleaning agent container** for **long periods of operation** without refilling.
- **Power and supplies are routed to the plant via pillars, a cable track or energy chain**.



### Compact dimensions

- The CB1 can also be installed where **space is at a premium** – i.e. **maximum washing length** is guaranteed with the minimum building length. Clear building length required to wash a 5-metre vehicle
  - with safety clearance: 8.73 m
  - without safety clearance, with safety switch: 8.32 m

### High throughput

- The CB line offers a **high vehicle throughput** combined with an **excellent wash quality**. That **reduces waiting times** and **increases your earnings**.

### Built-in safety

- **Numerous safety precautions**, e.g. inductive proximity switches, light barriers and mechanical devices designed to protect man and machine, **guarantee trouble-free and safe operation**.

## CB 1 – well-equipped entry-level model

The CB 1 is the basic model in the CB line. It offers car dealerships, service shops, small filling stations as well as fleets and hotels interesting additional business. Control system, technology and operation are based on simplicity and reliability.

### Standard features of the CB line include:



- **LED traffic light**  
High quality LED signal simplifies accurate positioning of vehicle.
- **Wash symbols** for basic and additional programmes.



- **Wheel wash, roof and side brushes** with alternating direction of rotation.
- **Full-cover foaming** to loosen stubborn dirt and stains.



- **Contour-guided roof dryer** ensures best drying results.
- **Side dryers**



- **Frequency-controlled travel and lift functions** support smooth washing cycle.

### Accessories available for the CB 1:



- Second set of LED positioning lights
- Lighting for wash phase indicators
- Antifreeze system
- Vertical high-pressure prewash (16 or 60 bar)
- Side splash guard
- Polyethylene or Carlite brushes



- Underbody wash
- Hot wax
- Safety switch, washing bay too narrow or too short
- Water treatment system
- Payment systems

Technical data		CB 1/23	CB 1/25	CB 1/28
Washing height	mm	2.300	2.500	2.800
Washing width	mm	2.300	2.300	2.300
Plant height	mm	3.200	3.400	3.700
Plant width* without splash guard	mm	4.035	4.035	4.035
Fresh water supply	l/min /bar	100 /4–6	100 /4–6	100 /4–6
Power supply	Ph/V/Hz	3/400/50	3/400/50	3/400/50
Vehicle throughput	veh/h	8–12	8–12	8–12

\* with rotating brushes



## CB 2 – more performance for discerning users

Requirements increase along with the number of customers. The CB 2 meets these requirements with high efficiency, an attractive package of features and the option to customize the plant to your specific needs by way of special add-ons. This makes the CB 2 the number one choice of big filling stations, car dealerships, wash centres and supermarket chains, which attach special importance to an attractive corporate image, simple operation and additional programmes that can be adapted to suit their own requirements.

### Additional standard equipment of CB 2:



- **Side brush lock**  
For improved contour-hugging wash: Vertical for bottom of vehicle and inclined for upper part of vehicle.
- Wheel wash with internal water feed
- Hot foam / hot wax



- **Open programme structure**  
A large number of ready-to-use programmes that can be configured to suit individual requirements.



- **Optimised consumption**  
A precision water distributor ensures that water and cleaning agent are sprayed only where they are really needed – to keep running costs down and earnings up.



- **Additional options**  
Skibox and Pickup guarantee a **safe wash** even on **unusually shaped vehicles**.

### Optional accessories for CB 2 (in addition to those for CB 1):



#### All-round high-pressure wash (16 or 60 bar)

- High-pressure wheel wash for gentle but thorough care of wheels and sill panels
- Fixed high-pressure side wash
- Contour-guided high-pressure wash for optimised roof, front and tail wash



#### Additional programme options

- Intensive prewash
- Prespraying wheels
- Foam wax
- Body care (rinsing with osmosis water)
- Wax sealing programme on request

Technical data		CB 2/23	CB 2/25	CB 2/28
Washing height	mm	2.300	2.500	2.800
Washing width	mm	2.300	2.300	2.300
Plant height	mm	3.200	3.400	3.700
Plant width*	mm	4.035	4.035	4.035
Fresh water supply	l/min /bar	100 /4–6	100 /4–6	100 /4–6
Power supply	Ph/V/Hz	3/400/50	3/400/50	3/400/50
Vehicle throughput	veh/h	8–14	8–14	8–14

\* with rotating brushes

## ARS and ARO for greater economy

A decision in favour of an ARS/ARO is an investment in the future because it saves resources in day-to-day operation. The washing water is cleaned by physical filtration so that it can be returned to the washing process. In this way fresh water consumption is reduced by up to 85%, it is used only for rinsing and adding care products.

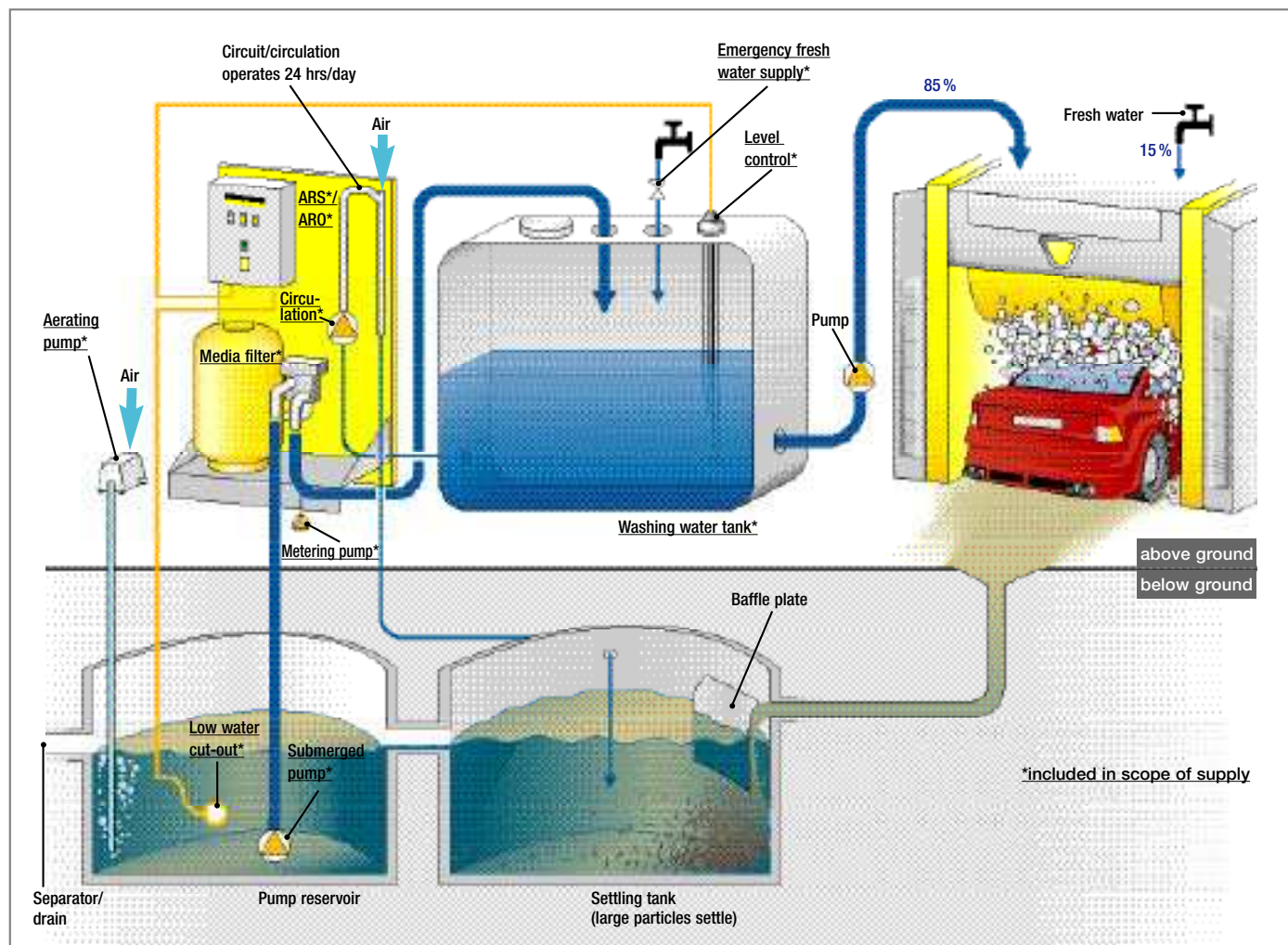
### The recycling circuit – step by step

The water that drains from the vehicle wash flows through the **settling tank** to a **pump reservoir**. It is pumped from there into a **media filter** which performs physical filtration.

All suspended particles larger than 20µm are filtered out without having to use a flocculent. At the same time, a **metering pump** adds a **germ reducing agent (ARS)** or **ozone (ARO)**, produced directly from the ambient air, to the washing water.

This prevents unpleasant smells and the build-up of slime in the washing water circuit.

The treated process water passes to a **washing water tank** and is used for all phases of the vehicle wash.





# Highly effective, environment friendly

Our newly formulated products are specifically matched to the requirements of Kärcher gantry washes.

Their outstanding features are:

- Improved cleaning performance
- Intensive, modern fragrances
- Special ingredients to reduce brush sliding friction
- New surfactants to promote self-cleaning action of brushes

Application	Description	Recommended use	Properties/ Yield	Size of pack	Order No.
Prespraying	 <b>RM 803 ASF Prewash</b> Highly active, non-aggressive high-pressure prespraying agent. Facilitates soaking and removal of oil and grease deposits as well as dried-on insects.	<b>For hot water high-pressure cleaners and self-service washes</b> Dosage: 0.2 – 0.5% (starting with concentrate)	Alkaline pH value: 13 in concentrate Yield: 20 ml/car	10 l 25 l 200 l	6.295-040 6.294-454 6.294-455
	 <b>RM 806 ASF HP Wash</b> This concentrate has a broad dirt dissolving range and removes the most stubborn road dirt, such as dust, oil, lubricating grease, insects, tree resin and mud.	<b>For hot water high-pressure cleaners, self-service washes, presprayers or brush washes</b> Dosage: 0.5 – 2% (starting with concentrate)	Alkaline pH value: 13.5 in concentrate	25 l 200 l	6.294-460 6.294-461
Wheel cleaning	 <b>RM 800 ASF Active Wash</b> High efficiency wheel cleaning concentrate. Active foam supports the gentle-action removal of all normal wheel stains, such as brake dust, rubber dust, winter salt residue and limescale deposits.	<b>Used primarily as manual prespraying agent</b> Dosage: 10%	Acid pH value: 1 in concentrate Yield: 2.5 ml/wheel	25 l 200 l	6.290-086 6.291-747
Main/ foam wash	 <b>RM 811 ASF Active Wash</b> Highly active, wax-compatible shampoo for brush wash in automatic vehicle washes. Specially formulated to reduce sliding friction of brushes and thus protect the surface of the vehicle.	<b>Used primarily in automatic brush washes</b> Dosage: 0.2 %	Mildly alkaline pH value: 8.5 in concentrate Yield: 30 ml/car	10 l 25 l 200 l	6.295-037 6.294-462 6.294-463
	 <b>RM 812 ASF Active Foam</b> Highly active brush shampoo produces a particularly intensive foam. Specially formulated to protect vehicle surfaces as well as the brushes.	<b>Used primarily in automatic brush washes and self-service washes</b> Dosage: 0.2 %	Mildly alkaline pH value: 8.5 in concentrate Yield: 16 ml/car	25 l 200 l	6.294-464 6.294-465
Drying/care	 <b>RM 820 ASF Hot Wax</b> This liquid thermo-wax produces a weather-resistant coating which protects vehicles against corrosion. Contains natural carnauba wax.	<b>Used in brush washes, self-service washes and with hot water high-pressure cleaners</b> Premix: 1+9 Dosage: 0.1 – 0.2 %	Neutral pH value: 6 in concentrate Yield: 20 ml/car	25 l 200 l	6.294-466 6.294-467
	 <b>RM 824 ASF Super Pearl Wax</b> Drying, protection and care in a single product. This liquid pearl wax quickly breaks down the water film and ensures very good drying characteristics, especially if hard water is used.	<b>Used in brush washes</b> Premix, brush washes: undiluted Premix, self-service washes, HP units: 1+9 to 1+29 Dosage: 0.1 – 0.2 %	Neutral pH value: 6 in concentrate Yield: 20 ml/car	10 l 25 l 200 l	6.295-038 6.294-470 6.294-471
	 <b>RM 828 ASF Active Drying Agent</b> Thermo-wax concentrate, quickly breaks down the water film and leaves a protective, water-repellent coating.	<b>Used as drying aid in brush washes and high-pressure washes</b> Dosage: 0.1 – 0.2 %	Neutral pH value: 6 in concentrate Yield: 50 ml/truck	25 l 200 l	6.294-472 6.294-446
	 <b>RM 829 ASF Drying Aid</b> This drying aid rapidly breaks down the water film and provides a long-lasting protective coating. Also suitable for soft water and osmosis water.	<b>Used as drying aid in brush washes</b> Dosage: 0.1 – 0.2 %	Neutral pH value: 5 in concentrate Yield: 15 ml/car	10 l 25 l 200 l	6.295-039 6.294-473 6.294-474
	 <b>RM 830 ASF Underbody Wax</b> Underbody wax with capillary action penetrates difficult-to-reach areas and gets under aggressive dirt particles to effectively reduce corrosion.	<b>Used in vehicle washes with underbody spraying equipment downstream of the underbody wash</b> Dosage: 1 – 3%	Neutral pH value: 6 in concentrate Yield: 10 ml/car	25 l	6.291-176
Special products	 <b>RM 841 ASF Washing Bay and Tile Cleaner</b> This acid concentrate quickly and effectively removes lime, grease, soap residue and traces of rust.	<b>For manual deep cleaning and maintenance cleaning of washing bays</b> Deep cleaning Premix: 1+1 to 1+4 Dosage: 20 – 50 % Maintenance cleaning Premix: 1+9 to 1+19 Dosage: 10 %	Acid pH value: 1 in concentrate Yield: 75 m <sup>2</sup> /l	25 l	6.290-081
	 <b>Water Softening Salt</b> Specially suitable for water softening in soft water and osmosis water plants.	For gantry and self-service washes		25 kg	6.287-016

## Systems designed for maximum security

A high level of security, trouble-free wash operation and the efficiency of the system are the essential criteria when it comes to selecting payment and card systems. Kärcher supports different card and code systems with the appropriate readers.



**CR 113 magnetic card reader**

The favourably priced basic unit for magnetic cards.



**CR 110 magnetic card reader**

This universal device for wash cards with magnetic strip features a display which guides the user through the operation of the plant on a step-by-step basis.

### PIN code system



**Code output unit**

With this unit you can issue PIN code coupons for different wash programmes at the till.



**CR 114 code terminal**

A PIN code system which requires the user to enter a six-digit numerical code.



Card reader	Wash card / Plant	Single wash card	Multiple wash card	Prepaid wash card	PIN-Code	CB 1*	CB 2*
CR 110		●	●	●		●	●
CR 113		●				●	●
CR 114					●	●	●

\*Interface required

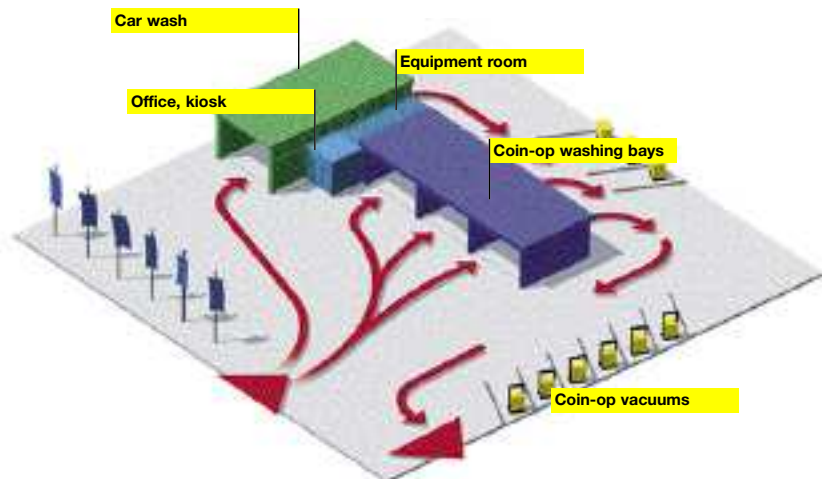
## Professional solutions, from planning to start-up

The future belongs to the car care centre which offers drivers a choice of different systems. Kärcher covers all areas of modern car cleaning: from a perfectly equipped coin-op washing bay to gantry washes and a complete line of coin-op vacuums.



In planning and implementing a car wash it is essential to take local conditions into account and observe certain success criteria at the same time. If required, Kärcher will support you with a comprehensive package of services:

- Profitability calculations
- Site assessments
- Optimising planning
- Technical design
- Project supervision
- Advertising support
- Operator counselling
- Sales advice
- Exchange of experience



### The clean park franchise system

To those who want to utilise the strength of a well-known brand name while still remaining independent, Kärcher offers the clean park self-service system, a professional operator concept on a franchise basis. This organisation, which now numbers more than 300 franchise partners in Germany alone, offers you the following advantages:



- Entry into a time-proven vehicle care system
- An established brand name
- Well-known, attractive image
- Latest Kärcher know-how and technology
- Effective advertising support
- Technical servicing of your equipment
- Business counselling
- Exchange of experience within the clean park family
- Training your staff
- Technical seminar for the operator
- Franchise partner meetings



## All models at a glance

		CB 1			CB 2		
		CB 1/23	CB 1/25	CB 1/28	CB 2/23	CB 2/25	CB 2/28
Dimensions							
Max. washing height	mm	2300	2500	2800	2300	2500	2800
Max. washing width	mm	2300					
Plant height	mm	3200	3400	3700	3200	3400	3700
Required clear building height	mm	3300	3500	3800	3300	3500	3800
Plant width with rotating brushes	mm	4035					
Required building width*	mm	4500					
Plant width with side splash guard	mm	4140					
Required building width with side splash guard	mm	5140					
Travel rail length, basic plant	mm	9000					
Required clear building length for basic plant	mm	10350					
Max. washable vehicle length in basic plant	mm	6200					
Distance between travel rails / track	mm	2700					
Technical data							
No. of brushes		2 side brushes, 1 roof brush, 2 wheel wash dish brushes					
Detergent metering pumps, basic plant		2			4		
Washing programmes		max. 7			open system		
Vehicle throughput per hour		8–12			8–14		
Required fresh water supply	l/min / bar	100 / 4–6					
Power supply, basic plant	Ph / V / Hz / kW	3 / 400 / 50 / 16					
Compressed air supply	l/min / bar	300 / 6–8					
Washing programmes							
Intensive prewash, front		–	–	–	○	○	○
Intensive prewash, full		–	–	–	○	○	○
Wheel prespray		–	–	–	○	○	○
Foam		●	●	●	●	●	●
Hot foam		–	–	–	●	●	●
Rinsing with drying aid		●	●	●	●	●	●
Hot wax		○	○	○	●	●	●
Foam wax		–	–	–	○	○	○
Wax sealing programme		–	–	–	○	○	○
Body care with osmosis water		–	–	–	○	○	○
High-pressure wash (16 or 60 bar)							
High-pressure wheel and sill panel wash		–	–	–	○	○	○
Side high-pressure		○	○	○	○	○	○
All-round high-pressure		–	–	–	○	○	○

\* with safety clearance, without side splash guard

● standard ○ option

Please contact us for more information: