



## **Hakomatic B310 R and B310 R CL**

*Powerful, manoeuvrable and highly efficient*

*Battery-powered, ride-on machines combining pre-sweeping and scrubbing over large areas*

*For perfect sweeping and scrubbing results*

## **Hakomatic B310 R**



*When perfect results are expected, you need high-performance machines*

### **Top performance at all times**

Hako equipment means you are always properly prepared for the work at hand. You simply need to decide which of the high-performance Hakomatic B310 R models best suits your needs. There are two plate brush models, one cylindrical brush model and two combination models with plate brushes and pre-sweep/vacuum unit available. A feature common to all is the large, 310 litre water tank which enables long, uninterrupted periods of operation. Even more performance is provided by the standard, pivoting side scrubbing unit (option for TB 1020) which enables working close to edges and increases the working width. Depending on the version, the area coverage is up to 9,200 m<sup>2</sup> an hour!

### **Full comfort in every sense**

The ergonomic driver's seat is not only sprung but can also be adapted to the weight of the individual driver. The seat, which is arranged in the middle, ensures the driver has a perfect view of the working area and easy access to the operating panel on which all the operating elements are within reach – including the green Hakomatic button: This can be used to start the cleaning process at the touch of one button. The machine can be programmed to meet your individual needs, e.g. to stop the brushes and water supply automatically when the machine is stopped.



Hakomatic  
B310 R WB 960  
(with special equipment)



Hakomatic  
B310 R TB 1020/1230



Hakomatic  
B310 R CL TB 1020/1230  
(with special equipment)

Hakomatic-Modell	For intensive scrubbing	For perfect vacuuming	Plate brush with Hako-Aqua Stop®	Cylindrical brush for structured floors	Presweep/vacuum unit	Battery size	Powerful engine	Auto. water filling system	Dirty water recycling
B310 R WB 960	●	●		●		480Ah			
B310 R TB 1020	●	●	●			480Ah			
B310 R TB 1230	●	●	●			480Ah			
B310 R CL TB 1020	●	●	●		○	640Ah	●*	●	○
B310 R CL TB 1230	●	●	●		○	640Ah	●	●	

○ Option

● Standard

\* Provides a climbing capacity up to 20 %

## Hako quality pays dividends in triplicate!

Shorter downtimes and reduced operating costs as well as low-cost maintenance and time-saving service – that's Hako. The robust, heavy-duty design of our machines, with their surrounding steel frame to prevent damage and unnecessary downtimes, ensures a long service life. The Hako AquaStop enables plate brush machines to save up to 50 % water and cleaning agent. Together with the Chemical on Demand option, this reduces costs even further: The chemical solution is switched on specifically

and is only applied when stubborn dirt needs to be removed. When maintenance and service are necessary, direct access to all the most important components and an intelligent diagnostics system ensure high levels of efficiency. Changing the plate or cylindrical brushes, which is possible without any tools, reduces set-up times, for example, while the large opening simplifies cleaning the recovery water tank.

Plate or cylindrical brushes – it 's your choice

## Hakomatic B310 R



Hakomatic  
B310 R TB 1020/1230



Hakomatic  
B310 R WB 960  
(with special equipment)

### Perfect cleanliness through clever solutions

The Hakomatic B310 R is available as a plate brush model with working widths of 102 and 123 cm as well as a cylindrical brush model (working width 96 cm) for rough and structured floors. Thanks to the attention paid to the technical details and achieving perfect results of cleaning, they always leave a good, clean impression. The cylindrical brush model of the Hakomatic B310 R sweeps up coarse and fine dirt during wet cleaning. The optional side brushes sweep up dirt from border areas and enable the squeegee to run on a clean track. As a result, the machine completes two working procedures in one, without needing to enlarge its compact dimensions. Thanks to the front wheel drive and steering, the machine practically moves within its own dimensions and, therefore, can be used productively even in confined areas.



**1) Two side brushes to sweep up dirt over the entire width of the squeegee (cylindrical brush model)**

**2) Change cylindrical brush without tools**

**3) Large opening simplifies cleaning the tank**

**4) Side scrubbing unit for optimum cleaning in border areas (option for TB 102 cm)**

**5) Hako-AquaControl® system saves water and chemicals**

**6) Practical spray/vacuum tool (option)**

Technical data Hakomatic	B310 R TB 1020	B310 R TB 1230	B310 R WB 960	B310 R CL TB 1020	B310 R CL TB 1230
Working width	102 cm	123 cm	96 cm	102 cm	123 cm
Squeegee width	126 cm	126 cm	126 cm	126 cm	126 cm
Power consumption, hydraulic motor	1,400 W	1,400 W	1,400 W	2,000 W	2,000 W
Maximum climbing capacity	15 %	15 %	15 %	20 %	15 %
Driving speed	8 km/h	8 km/h	8 km/h	8 km/h	8 km/h
Working speed	7.5 km/h	7.5 km/h	7.5 km/h	7 km/h	7 km/h
Power consumption, suction motor	1,270 W	1,270 W	1,270 W	1,270 W	1,270 W
No. of brushes	2 pieces	3 pieces	2 pieces	2 pieces	3 pieces
Brush diameter	53 cm	43 cm	13,3 cm	53 cm	43 cm
Brush speed	220 rpm	220 rpm	900 rpm	210 rpm	210 rpm
Power consumption, brush motor	2 x 710 W	3 x 710 W	2 x 850 W	2 x 700 W	3 x 710 W
Area coverage, theoretical	7,600 m <sup>2</sup>	9,250 m <sup>2</sup>	7,200 m <sup>2</sup>	7,000 m <sup>2</sup>	8,600 m <sup>2</sup>
Flexible panel tank, volumes	310 l	310 l	310 l	310 l	310 l
Nominal voltage	36 V	36 V	36 V	36 V	36 V
Total output	4.09 kW	4.80 kW	4.37 kW	5.9 kW	7.6 kW
Width with squeegee	126 cm	133 cm	126 cm	126 cm	133 cm
Length with squeegee	215 cm	215 cm	215 cm	215 cm	215 cm
Height without/with cab safety roof	140/200 cm	140/200 cm	140/200 cm	140/200 cm	140/200 cm
Weight, empty without battery	710 kg	770 kg	713 kg	707 kg	935 kg
Weight, wet with battery	1,445 kg	1,624 kg	1,567 kg	1,787 kg	1,944 kg

We reserve the right to make technical improvements to machines with regard to shape, colour and design without notice. Illustrations could contain optional equipment.

### Choosing Hako is the right decision

Regardless of whether you choose a plate brush model, cylindrical brush model or combined model with pre-sweep/vacuum unit – a Hakomatic is always the right choice and you will profit from a number of aspects: e.g. optimum working geometry and perfect results of

cleaning. From an excellent service department which is available to provide help and advice at all times. From the high level of economy through low operating and service costs. And, naturally, from a quality product with long service life providing high performance for years!

Our most powerful electrical sweeping and scrubber-drier machine

## Hakomatic B310 R CL



Hakomatic  
B310 R CL TB 1020  
(with special equipment)



Hakomatic  
B310 R CL TB 1230  
(with special equipment)

### *Dust-free sweeping/vacuuming, wet scrubbing and dry vacuuming in just one working operation*

The Hakomatic B310 R CL, a combined sweeping and scrubber-drier machine, saves valuable time by completing three working operations in just one process. In the first step, the 138 cm wide pre-sweep/vacuum unit, with two separately driven side brushes, one main cylindrical brush and powerful suction fan, sweep up larger debris and fine dirt. The dirt hopper is easy to empty after completing the work in one simple operation. During the second step, the rotating plate brushes sweep up even the most stubborn dirt. The optional Hako-Chemical on Demand system can be used to apply cleaning agent according to the situation at hand and can be deactivated again to resume cleaning lightly soiled areas without any chemicals. All these features help to increase operating times while an automatic water filling

system provides time-saving refilling. In the third and final step, the parabolic squeegee dries the floor, leaving it immediately suitable to be walked and driven on. The powerful 2,000 W drive motor and 640 Ah battery provide plenty of reserve capacity for the Hakomatic B310 R CL to operate over a long period and cope with gradients up to 20 % with ease – an invaluable advantage when cleaning ramps, e.g. in multistorey car parks. Fitted with the optional collision protection, the machine and side brush are not only protected from damage but also from resulting downtimes. Take a look and convince yourself by arranging a demonstration – we are only too happy to prove our performance!



**1) Ergonomic workplace**

the cockpit can be accessed from both sides, minimal effort for steering and operating, operating elements within easy reach; chemical dosage adjustable from the driver's seat.

**2) „Take-it-easy“ concept**

emptying in just one operation.

**3) Perfect pre-sweeping**

by means of two side brooms, cylindrical broom and powerful dust control.

**4) Reduced service and maintenance costs**

through direct access to the most important parts and systems.

**5) Clean edges**

using the side scrubbing unit (for the B310 R TB 1020) only; saves time-consuming, extra manual work.

**6) Powerful 640 Ah battery**

provides power reserves for extra-long operating times without interruptions.

# Hako

Clean ahead



### **Hako: environmental-friendly right from the start**

It is our legacy to leave behind a clean planet. That is why resources-, environmental- and climate protection characterize each and every process at Hako which has been certified by independent institutions. Learn more about our on-going commitment at [www.hako.com](http://www.hako.com)

### **Close to you wherever you are**

Our efficient close-knit sales & service network guarantees close proximity and rapid help.

### **Cleanliness combined with safety**

Our machines meet the highest standards. Reliable quality "Made by Hako".

### **Buying, leasing, renting**

We offer you a number of individual and attractive financing & procurement options.

### **We are available 24/7**

Hako's spare part express- and on-call service guarantees best possible availability.



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