

*Cleaning Technology · Municipal Technology*

**Hako**  
*Clean ahead*



## *Hakomatic B 70, 90 and 120*

*Hand-operated scrubber-drier for medium and large areas*

*For perfect cleaning of medium and large areas*

## ***Hakomatic B 70/90/120***

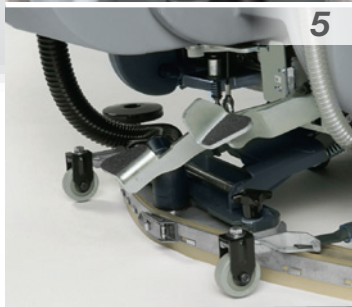


*High-performance, efficient and environmentally friendly:  
the large hand-operated scrubber-driers from Hako*

With an area coverage of up to 4,200 m<sup>2</sup>/h, the Hakomatic B 70/90/120 is ideal for the thorough scrubbing and vacuuming of medium-sized and large areas such as in shopping centres and supermarkets, office buildings and public buildings as well as production and storage areas. Combine the equipment to produce the optimum machine to fulfil your demands from three water tank sizes, five brush heads with various working widths, equipped with plate brush or cylindrical brush technology as well

as different battery systems and additional equipment. Available in a standard or CL version. As is always the case with Hako, maximum efficiency is the focus of attention. The heavy duty construction, with die cast aluminium brush heads and squeegees, for example, increase reliability while repair costs and downtimes are kept to a minimum. The optimum ergonomics and intuitive operation as well as the various innovations for reducing the water and chemical consumption also contribute to ensuring first class productivity.





#### 1) Onboard charger

Enables charging at any 230 V power socket (except DTC model)

#### 2) Flat, projecting plate brush deck

Being just 10 cm high, it is ideal for gliding under shelves and radiators

#### 3) No pre-sweeping

The integrated dirt collection system gathers dirt in an easy-to-empty drawer (B 70/90 CL), saving time-consuming pre-sweeping

#### 4) Problem-free passage

Can pass through narrow doorways thanks to the squeegee which can be locked at the side (from B 70 CL)

#### 5) Innovative squeegee geometry

The squeegee ensures that the cleaning solution is cleaned up fully even in the case of difficult floor conditions. Fitted with a quick release device for suction lips which are highly wear-resistant and designed for fourfold use

#### 6) Anti-Foam system

Prevents moisture entering the suction motor – aids a long service life and low service life costs

#### 7) Automatic dosing and filling system

Saves working time when filling the water tank and operating costs by reducing cleaning agent consumption

#### 8) Hako Aqua-Control system

This enables an accurate application and efficient use of the cleaning solution.

Linked to a speed-controlled, precise solution application (from B 70 CL) and Aqua-Stop brushes, with Memory function. This saves water and cleaning agent and reduces set-up times/filling procedures

#### 9) Optimal ergonomics

Provides a height adjustable speed control (from B 70 CL), good view to the front and single-button operation (B 90 CL); foam-padded handlebar

#### 10) Optimal traction

Ensured by the use of non-slip, non-marking tyres

#### 11) Practical details

Such as hand-held vacuum accessory (option), holder options and fill level indicator for clean water

#### 12) Highly service-friendly

No tools required to change the brushes, easy access to the dirty water tank through the large tank lid, provision of a dosable dirty water draining valve, error indicator display (all models) and diagnostics interface (B 90 CL)

Perfect cleanliness in hygienically sensitive areas

## Hakomatic CLH series



*CLH: with AntiBac and Silent Kit, ideal for cleaning in hospitals, old people's and nursing homes*

### Flexible and thorough in use

The Hakomatic B 70 and B 90 CLH are perfect for use in all areas where special attention is placed on absolutely hygienic conditions or cleaning in accordance with the HACCP concept.

In addition to hospitals, this also applies to old people's homes and nursing homes as well as canteen kitchens and companies processing foodstuffs.

### Silent Kit, quiet as a whisper

In CLH machines, constructional measures provide active sound insulation.

This makes them even more quiet than their red counterparts so they can also be deployed in sensitive hospital areas.

The Silent button can be used to reduce the noise emissions of just 63 dB(A)\*, already provided, even more.

### AntiBac is a clear advantage

A further feature in our CLH models is the clean/dirty water tank being provided with the antibacterial feature AntiBac, a metal-organic substance on a silver base which reduces bacteria and fungus development by up to 99.9 % (tested in accordance with JIS Z 2801 / ISO 22196). Advantages for you:

- better protection for personnel through less contact with bacteria, fungi, spores and unpleasant smells
- demands on hygiene can be much better fulfilled with the same extent of actual work
- improved environmental protection and cost reduction through reduced consumption of disinfectants

\* sound pressure level at the ear of the operator



#### 1) White tank

A characteristic feature of our CLH machines is the white dirty water tank which symbolises purity in terms of colour psychology and encourages trust

#### 2) Practical accessories

The CLH machines are equipped with a mop holder and practical tool net in series production

#### 3) Silent kit

The Silent Kit reduces the engine speed, as necessary, and makes the low-noise CLH series even quieter

#### 4) Single-button operation

The green Hakomatic button can be used to start all the working procedures at the touch of the button (Hakomatic B 90 CLH)

#### 5) Make cleanliness a trade mark

The side panels can be lettered individually or machines supplied in your company colours to highlight the company which stands for first class results and leaves nothing behind except a clean, polished impression



#### High-level hygiene – even for small areas

The Hakomatic B 45 CLH is available to cover smaller areas up to 2,300 m<sup>2</sup>/h.



# Innovations for high degrees of cleanliness



Use our technological lead for your competitive advantage: Pioneering innovations, such as the Hako AntiBac or Hako DaytimeCleaning, increase cleanliness, save expensive cleaning agent, time-consuming reworking and valuable working time whilst ensuring lower operating costs and even more efficiency!

## **Hako AntiBac**

The antibacterial tank coating, Hako AntiBac, provides considerably better hygienic conditions in the tank and on the floor surfaces cleaned as well as ensuring a reduction in the consumption of disinfectants. In series production B 70 CL, B 90 and B 120.

## **Hako DaytimeCleaning**

Hako DaytimeCleaning shortens charging cycles and increases machine operating times. As a result, the Hakomatic B 70 CL DTC with its quick charge batteries and new quick charge technology provides considerably longer periods of operation.

## **Hako AquaForce**

Hako AquaForce is a space-saving, stationary system for cleaning without chemicals. It removes all minerals from tap water. The demineralised water can loosen dirt better and reduces the risks of resoiling - for lower operating costs and less environmental pollution.

## **Hako Chemical on Demand**

By applying the Hako Chemical on Demand feature, cleaning agents are only implemented when they are actually needed. In the case of low-level soiling, cleaning can be completed economically and ecologically without any need for cleaning agents.

# Rational solutions for rational decision-makers



**Hakomatic**  
**B 70/CL**



**Hakomatic**  
**B 90/CL**



**Hakomatic**  
**B 70 CLH / 90 CLH**



**Hakomatic**  
**B 120**

Technical data	B 70	B 70 CL / CL DTC / CLH	B 70 CL WB	B 90 CL / CLH	B 90 WB / B 90 CL WB	B 120
Working width scrubbing	65 cm	65/75/85 cm	60 cm	65/75/85 cm	60/70 cm	85 cm
Squeegee width	95 cm	95/110/110 cm	95 cm	95/110/110 cm	95/110 cm	110 cm
Theoretical area coverage	3,200 m <sup>2</sup>	3,200/3,700/4,200 m <sup>2</sup>	3,000 m <sup>2</sup>	3,200/3,700/4,200 m <sup>2</sup>	3,000/3,500 m <sup>2</sup>	4,200 m <sup>2</sup>
Nominal voltage	24 Volt	24 Volt	24 Volt	24 Volt	24 Volt	24 Volt
No. of brushes	2 plate	2 plate	2 cylindrical	2 plate	2 cylindrical	2 plate
Working speed	5 km/h	5 km/h	5 km/h	5 km/h	5 km/h	5 km/h
Volumes clean/dirty water tank	72/74 l	72/74 l	72/74 l	85/85 l	85/85 l	110/115 l
Width without/with squeegee	59/95 cm	59/110/110 cm	59/95 cm	59/110/110 cm	59/95/110 cm	70/110 cm
Weight without battery	175 kg	190/193/195 kg	182 kg	213 kg	213 kg	246 kg
Weight, wet with battery	325 kg	338 – 393 kg	380 kg	415 – 480 kg	415 – 480 kg	510 kg
Total output	2.26 kW	2.28 kW	2.28 kW	2.3/2.3/2,6 kW	2.3/2.6 kW	2.8 kW

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



#### **Hako: environmentally friendly from the start**

We want to leave the earth clean. Therefore, treating resources, the environment and climate with consideration influences all our business activities. This has been confirmed to us by independent institutes. More on our commitment can be found at [www.hako.com](http://www.hako.com)

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

Our unsurpassed, close knit sales and service network means we are always close by to provide help fast throughout Europe.

#### **Cleanliness with safety**

Our machines fulfil the highest demands. Reliability through quality "Made by Hako".

#### **Sales, hire, leasing, rental**

We can offer you a wide-range of individual, attractive financing options.

#### **We are there for you day and night**

Round-the-clock service and express parts delivery ensure the highest levels of availability.



**DIN EN ISO 9001**  
**DIN EN ISO 14001**

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