

Hako

Superior equipment
for mechanized floor care.

Hako-Jonas 1700 – the sweeping professional.



High performance suction sweeper for large areas.

Economical
cleaning of areas
up to 18.400 m²
cleanliness/hour.

Hako-Jonas 1700 – the power sweeper for large areas and heavy duty

In modern production plants, large distribution warehouses, leisure centres or spacious shopping precincts, a high degree of cleanliness is demanded. However the possibilities for considerable savings and rationalisation are not being fully exploited.

The power sweeper Hako-Jonas 1700 has been designed using the newest CAD/CAM technology and which are directed for use by cleaning professionals in industrial settings. The state of the art power sweeper Hako-Jonas 1700 is fully hydraulic and offers much more than mere dust-free cleanliness.

The Hako-Jonas 1700 has built-in safety and comfort which is above that even of the most modern passenger cars.

The features at a glance

- Dust-free sweeping up to 18.400 m² per hour/capacity (with optional second side broom).
- Perfect sweeping results on all types of surfaces, broom speed and pressure adjustable for all kinds of debris.
- Unique highly efficient filter system with unlimited lifetime.
- Hopper capacity 600 kg with hydraulic high-dump up to 1.55 m.
- Robust steel frame for tough environments, with advanced body suspension for extremely smooth operation.
- Powerful climbing ability up to 25%.
- Easy, comfortable handling, ideal for long shift work.
- Easy access to all major components, hydraulic testing points keep service costs down.



Hako-Jonas 1700 – an early riser which cleans the way for a pleasant shopping atmosphere ...



... and which also copes with heavy duty foundry applications.

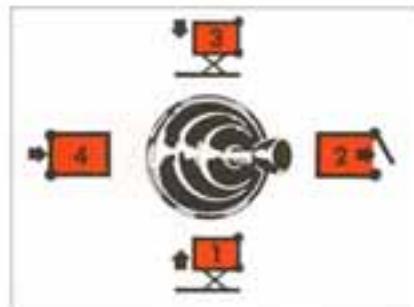
Powerful solution for many applications.

High-dump at the push of a button

Smooth hydraulic high-dump of the debris directly into a container. Maximum dump height 1.55m. Automatic drive speed limitation with elevated hopper for easy and safe manoeuvrability when dumping.

Large hopper capacity of up to 600kg. Easy to lift as a result of powerful hydraulics.

Convenient dumping operation. Easily controlled and clearly visible from driver's seat. Two-handed operation for enhanced safety. Extremely simple operation thanks to joy-stick design.



① Lifting of hopper ② Opening the hopper flap
③ Lowering the hopper ④ Closing the hopper flap



High efficiency filter system

Large area fine dust filter system (8 m^2) made of 200 individual filter cartridges. Extremely long continuous operation intervals. Electrical filter shaker. Rot-free, practically undestroyable filter material.



Shorter service time reduces maintenance costs

Easy access to all major components. Clearly arranged electrical system. Hydraulic test points for quick inspections and short service intervals.



Lift-out battery Hako-Jonas 1700 E

For multiple shift work battery can easily be changed by means of a fork-lift truck. 36 Volt/720 Ah (PzS).



Clear, comfortable, ergonomic, safe.

All controls are in direct reach of the operator. Easy-to-understand symbols aid even unskilled workers. Clear visibility from the driver's position. Standard comfort seat (pneumatic suspension, adjustable to driver's weight). Driving the Hako-Jonas 1700 is easier than driving a passenger car. No gear changes necessary. Smooth speed control with one single pedal for forward and reverse drive. Compact design and rear wheel steering make the Hako-Jonas 1700 highly manoeuvrable in restricted areas (turning radius 1.70 m).



Dust-free sweeping

The side broom sweeps the dirt into the path of the cylindrical main broom. It is retractable and protected by a heavy bumper. The floating main broom is hydraulically driven and can be changed within minutes without tools. Bulky debris is thrown directly into the large hopper. The fine dust is collected by the high efficiency filter system. Only clean air is expelled by the machine. In order to adapt to uneven floors the main broom can be easily lowered via a foot pedal to follow the floor contours – for example drainage channels.

Hako-Jonas 1700 – the power sweeper to fit your needs!

Standard features

	Hako-Jonas 1700 V (petrol)	Hako-Jonas 1700 V (LPG)	Hako-Jonas 1700 D (diesel)	Hako-Jonas 1700 E (battery)
Industrial petrol engine, 4-stroke, 4-cylinder, water cooled	•			
Industrial petrol engine, 4-stroke, 4-cylinder, LPG conversion		•		
Industrial diesel engine, 4-stroke, 4-cylinder, water cooled			•	
Special air filter for extremely dusty application	•	•	•	
36 volt dc hub motor				•
Robust steel frame construction	•	•	•	•
Hydrostatic rear wheel drive	•	•	•	•
Single pedal drive control, forward and reverse	•	•	•	•
Adjustable steering wheel	•	•	•	•
Hydraulic power steering				•
Pneumatically suspended driver's seat	•	•	•	•
Broom pressure adjustable from driver's seat	•	•	•	•
High-dump up to 155 cm	•	•	•	•
Pneumatic tyres	•	•	•	
Hour meter	•	•	•	•
Battery discharge indicator				•
Electronic battery saver				•
Hydraulic testing point	•	•	•	•
Lead-free and cadmium-free colour coating	•	•	•	•
Bumper (all around)	•	•	•	•

Options:

Overhead guard	•	•	•	•
Enclosed cabin	•	•	•	•
Cabin heating	•	•	•	
Catalytic converter	•	•	•	
Rotating warning lights	•	•	•	•
Traffic indicator light	•	•	•	•
CSE super elastic tyres	•	•	•	•
Second side broom (left)	•	•	•	•
Side broom suction (right)	•	•	•	•
Hazardous dust protection kit	•		•	
Power steering	•	•	•	•
36 Volt / 720 Ah (PzS) Heavy duty traction battery				•
Main brooms				
Perlon bristle main broom for outdoor use	•	•	•	•
Steel wire/natural feature mixture	•	•	•	•
Side broom with perlon bristles	•	•	•	•



Hako-Jonas 1700: Dust-free cleaning, indoors and outdoors.

Whether in enclosed buildings or in wide open spaces, on level surfaces or on step inclines, there is always the right power source available for the Hako-Jonas 1700

- 4-stroke, 4-cylinder, diesel engine
- 4-stroke, 4-cylinder, petrol engine
- 4-stroke, 4-cylinder, petrol engine with LPG conversion
- battery powered 36 Volt d/c motor



Just-in-time delivery – speedy cleaning by Hako-Jonas 1700.



Safety and cleanliness of parking areas, driveways and ramps (gradability 25%) – no cigarette ends, cans or refuse will be left.

The environmentally friendly battery driven Hako-Jonas 1700 is ideal for food distribution warehouses.

Performance and quality down to the very last detail.

The technical advantages of the Hako-Jonas 1700

Area capacity:	Up to 15,400 m ² /h with 1 side brush. Up to 18,400 m ² /h with 2 side brushes.				
Sweeping width:	Without sidebrush 1,240 mm, with 1 side brush 1,540 mm, with 2 side brushes 1,840 mm.				
Turning radius:	1,700 mm.				
Sweeping speed:	Infinitely up to 10 km/h.				
Driving speed:	Infinitely variable up to 17 km/h (1700 V and D), up to 10 km/h (1700 E).				
Motor:	1700 V – Industrial, 4-stroke, 4-cylinder, petrol engine, 1,800 ccm, water cooled, 50 kW, throttled to 35 kW at 2,400 rpm. 1700 D – 4-stroke, 4-cylinder, diesel engine (industrial version) 1,222 ccm, water cooled, 27 kW, throttled to 22 kW at 2,600 rpm. 1700 V+D special dry air filter with integrated preliminary filter and safety cartridge for use in particularly dusty applications. 1700 E – 36-Volt dc motor, total power consumption 7,2 kW. Drive battery: Heavy duty traction battery with 720 Ah PzS low maintenance with lift-out battery tray.				
Drive:	1700 V+D – Hydrostatic rear wheel drive with infinitely variable speed control via single foot pedal forward and reverse drive. Rear wheel (power steering). Pneumatic tyres 4.00-8 front, 16x6-8 rear. Optional CSE tyres available. 1700 E – Integrated electric hub motor, dust and water protected industrial version IP 43. Electronic pulse control for infinitely variable speed adjustment with single pedal for forward and reverse drive. Exceptionally manoeuvrable with hydraulic power steering as standard. Solid tyres standard.				
Brakes:	Multiple safety brake systems. Hydrostatic drive system brakes rear wheel (1700 V+D). Hydraulic operating systems on all three wheels. Mechanical parking brake on front wheels.				
Filter and Vacuum:	High efficiency filters made of rot-free individual filter cartridges. Standard efficiency: 95%, optional 99.5% for hazardous dust. Easily exchangeable filter cartridges with self-cleaning feature. Electric filter shaker. Hydraulic vacuum motor for high vacuum performance. Optional side broom vacuum.				
Hopper:	Robust steel hopper for 360 litre volume, max. 600 kg. Hydraulic high dump 1,550 mm directly into container. Dumping width 1,220 mm.				
Chassis:	Robust heavy duty steel frame construction with all around bumper. Special body suspension on chassis with vibration absorbers for smooth operation.				
Corrosion protection:	Baked in synthetic resin resistant to chemicals, chipping and sub-surface rust formation.				
Weight and dimensions:	1700 V+D	1700 E	1700 V+D	1700 E	
Total length	2,450 mm	2,425 mm	1,700 mm	1,700 mm	
Total width	1,615 mm	1,620 mm	1,500 kg	1,465 kg	
Height above steering wheel	1,560 mm	1,560 mm	–	2,400 kg	
Height above overhead guard	2,290 mm	2,290 mm	Admissible total weight	2,200 kg	3,000 kg
Height above cabin	2,270 mm	2,270 mm	Fuel tank	35 l	–

In the interest of technical development we reserve the right to alter equipment without prior notice.



The Hako-Jonas 1700 fulfills the European regulations with regard to the EC machine guidelines, the EC low voltage guidelines and the EC guidelines with respect to electro-magnetic tolerance. Similarly the machine also complies with the European safety requirements of the standards EN 292 and EN 60 335, as can be recognized from the CE sign which is to be found on the machine. Hako-Jonas 1700 – Quality "made in Germany".

Hako is the right partner:



Cleanliness with safety
Hako machines adhere to strict quality regulations/standards.
Quality made by Hako. We also take care of what we sell – world-wide.



Sales, hire, leasing, rental
Hako allows you to individually plan capital investments depending upon customer's demands and the available means.
We are glad to give advice.



We are there for you day and night
Reliable after-sales service and excellent logistics guarantee that machines can be ready for operation around the clock. We take care of what we sell.



Hako is never far away
The efficient Hako sales and service network mean that Hako is always close at hand.



Superior technology for a cleaner, more pleasant environment

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The Hako sales offices and service depots are always close at hand.