

# Barrier washers

## Hyvolution range

### WHB5500H

#### Features and benefits

- Two compartments drum with Pullman split, offering the best ergonomics and mechanical action
- Automatic drum positioning for fast and effortless loading and unloading operations
- Automatic outer door locking and unlocking with pneumatic system for maximum easiness and safety
- The largest inner drum door on the market, making loading and unloading operations fast and easy
- Silent operations and extraction management through the Electrolux patented Power Balance system
- Available in electrical, steam or dual energy heating
- Compass Pro control panel for a fast and easy selection of the wash program

#### Main options

- Automatic inner drum door opening at the end of the cycle for effortless and fast unloading operations
- Dual display (on the unloading side)
- Titration valve for decontamination and pH measurements
- Third water inlet for soft or recycled water
- Double drain for water reuse
- Detergent box for manual injection
- Stainless steel panels
- Clarus TS control panel (Touch Screen)



Images shown are a representation of the product only and variations may occur.

Main specifications				WHB5500H	
Max. capacity	filling factor 1:10	kg/lb		50/110	
Drum,	volume	litre		500	
	diameter	ø mm		920	
Extraction		rpm		825	
G-factor				350	
Heating alternatives, 380-400V	electricity	kW		36.0	
		steam	kg/h	24.5	
<b>Consumption data "Cotton eco" *</b>				El	Steam
Water consumption (cold)		litre		542	542
Energy consumption (motor/heating)		kWh		11	1.2
Steam consumption		kg		-	24.5
Compressed air consumption		litre		<10	<10

\* With accordance to ISO 93 98 -4 prog C.

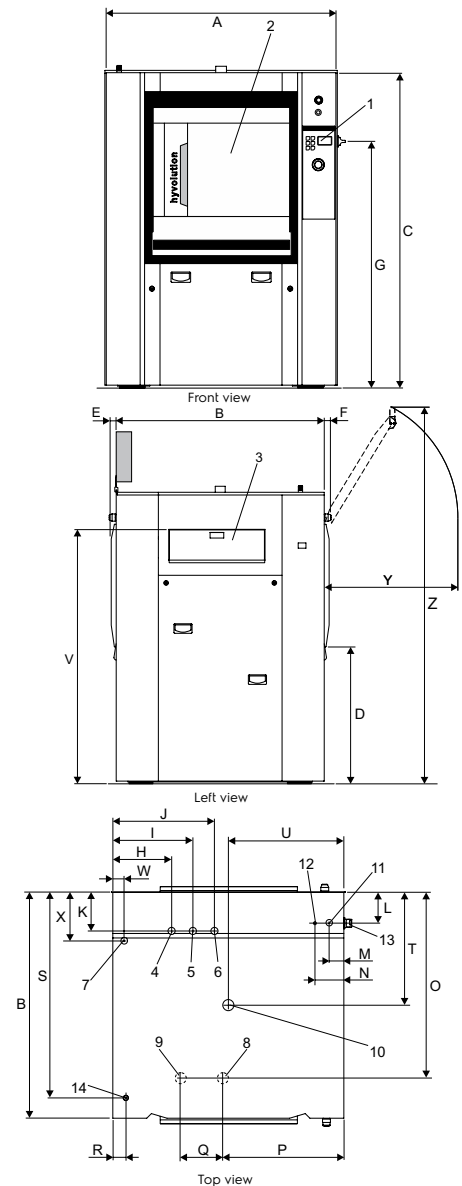
Certified in accordance with ISO 9001 and ISO 14001 and approved IP 24D.

Electrical connections					
Heating alternative	Main voltage	Hz	Heating power kW	Total power kW	Recommended fuse A
<b>WHB5500H</b>					
Electric heated	400V 3PH + N+E*	50	36	42	3 x 63
Steam heated	400V 3PH + N+E*	50	-	6	3 x 16

\*with a 5% tolerance range

Water, steam and air connections		WHB5500H
Water inlet	in	3/4
Water pressure	kPa	50-600
Capacity at 250 kPa	l/min	70
Drain inlet	∅ mm	75
Draining capacity	l/min	240
Steam valve	in	3/4
Steam pressure	kPa	300-600
Compressed air	mm	6/8
Compressed air pressure	kPa	450-600
Floor requirements		
Frequency of the dynamic force	Hz	13.75
Sound levels		
According to EN50571: 2013, annex CC		
Wash	dB(A)	64
Extraction	dB(A)	83
Heat emission		
% of installed power, max		3
Shipping data*		
Shipping volume	net, kg m <sup>3</sup>	1170 4.73
Dimensions in mm		
A	Width	1300
B	Depth	1265
C	Height	1770
D		920
E		40
F		40
G		1385
H		330
I		450
J		570
K		220
L		195
M		80
N		160
O		840
P		670
Q		240
R		70
S		1135
T		635
U		650
V		1560
W		85
X		270
Y		860
Z		2330
1	Control panel	8 Drain
2	Loading door	9 Double drain
3	Detergent container	10 Air vent connection
4	Cold hard water	11 Electrical connection
5	Hot water	12 Compressed air connection
6	Cold soft water	13 Main switch
7	Steam connection	14 Liquid detergent inlet

\* Average data. Crated weight/shipping volume depends on configuration. Please contact logistics for exact measures.



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 We reserve the right to alter specifications without notice.

# Electrolux Industrial Washers – H Models – Installation Guideline

## Foundations

The machine requires a foundation of solid and level concrete construction at least 100 mm deep. If a new concrete pad is to be laid it must be keyed correctly into the existing foundations. The concrete foundation should always be greater in size than the machine and a minimum of 100mm from the edge of the concrete foundation to the edge of the machine must be provided. A metal raising plinth can be used to raise the machine above the drain level for a correct evacuation of water from the machine if required. If block and beam or any other type of floor is present, seek advice.

## Fixings

A minimum service distance of 750mm is to be provided behind all machines, excluding WH6-6 / PW9C which don't require this service distance and can be moved during servicing. All machines ship with 4 x feet and 2 x M10 expansion bolts (WH6-6 excluded), these need to be fitted and machine leveled with both nuts located on the feet in the up position. Shipping brackets must be removed, failure to do this will result in serious damage to the appliance and place the user at high risk.

## Water Supply

The machine is supplied with two or three ¾ inch water inlet hoses, depending on the machine size, 1 or 2 cold and 1 x hot. All water intake connections to the machine should be fitted with manual shut-off valves and filters, to facilitate installation

and servicing. Water pipes and hoses should be flushed clean before installation. The machine must be connected with new water hoses, old hoses must not be re-used. Hoses should be an approved type and grade, and comply with IEC 61770. After installation hoses must hang in gentle arcs. All connectors present on the machine must be connected. A minimum supply pressure of 300 kPa and maximum supply pressure of 600 kPa is required. In hard water areas, above 150 PPM, it is recommended that the water supply is fitted with a water softener. Failure to do so will result in detrimental effect on some component parts and may affect the standard warranty.

If the hot water supply is insufficient in temperature, pressure or flow, the machine can then be connected solely to a cold water supply, however will lengthen cycle times. This can only be done if the machine is equipped with a heating source, i.e. electric elements or a steam supply.

## Drainage

50mm stand pipe @ 1meter in height is needed for WH6-6 and PW9C. 50mm drain pipe at floor height is required for W5105H. All other machines require 75 mm drain pipe at floor level. This must ensure a downward flow from the machine. Avoid sharp bends which may prevent proper draining.

For gravity drain machines fitted with a drain valve, the drainage pipe should be located over a floor drain, drainage channel or the like so that the distance between the outlet and the drain is at least 25 mm.

## Electrical

In instances where the machine is not equipped with an omni-polar switch, one must be installed beforehand. In accordance with the wiring rules: mount a multi-pole switch prior to the machine to facilitate installation and service operations. The connecting cable should hang in a gentle curve. When connecting to a terminal block, the connection cable shell must be stripped 10-11 mm. The cable area must be at least 0.5 mm<sup>2</sup> and no more than 4 mm<sup>2</sup>. The terminal block used is a spring loaded cage clamp.

Each machine must be individually protected. The isolation point for the machine should be in a readily accessible position for use in an emergency. All cabling to the machine must be sufficiently protected against damage. It should be correctly sized to the current rating of the machine and be connected to the machine using a suitable cable entry fixing. Circuit breakers or fuses can be used to protect the power supply. If fuses are used, then they must be of the motor rated variety. A responsible and competent operative should carry out all electrical work and ensure that all local and national regulations and codes of practice are complied with.

## Steam (Optional)

The machine should be connected to suitably sized live steam supply utilising an isolating valve, strainer/trap, electric solenoid inlet valve and a flexible steam connection hose. (Please note none of these fittings are supplied with the machine). All pipes should be lagged to protect against personal injury. All steam supply pipes should be installed to local and national codes of practice as they form part of a pressurised system.

## NOTES:-

**WHERE EXISTING SERVICES ARE TO BE CONNECTED TO, THE INSTALLER MUST ENSURE THAT THESE ARE ADEQUATELY SIZED AND THAT THEY ARE IN GOOD WORKING ORDER. FOR EXAMPLE, IF A WASHER IS TO BE CONNECTED TO AN EXISTING DRAIN IT MUST BE CHECKED FOR ANY BLOCKAGES DURING INSTALLATION.**

**FOR MULTIPLE MACHINE INSTALLATIONS SERVICES MUST BE INCREASED IN SIZE ACCORDINGLY. I.E WATER PIPES, DRAINAGE PIPES, ELECTRIC CABLES ETC.**

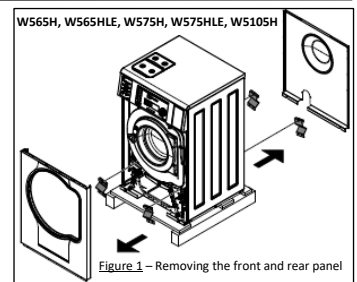


Figure 1 – Removing the front and rear panel

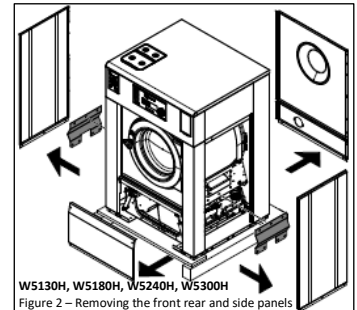


Figure 2 – Removing the front rear and side panels

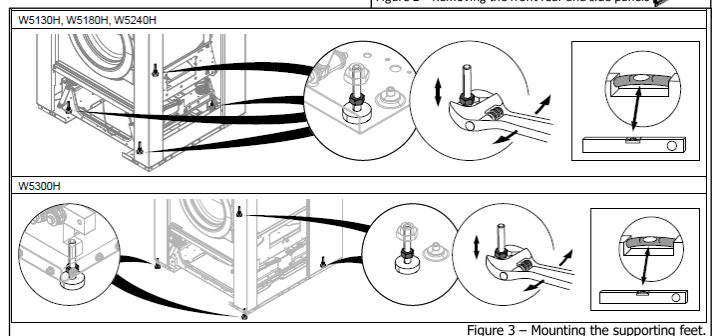


Figure 3 – Mounting the supporting feet.