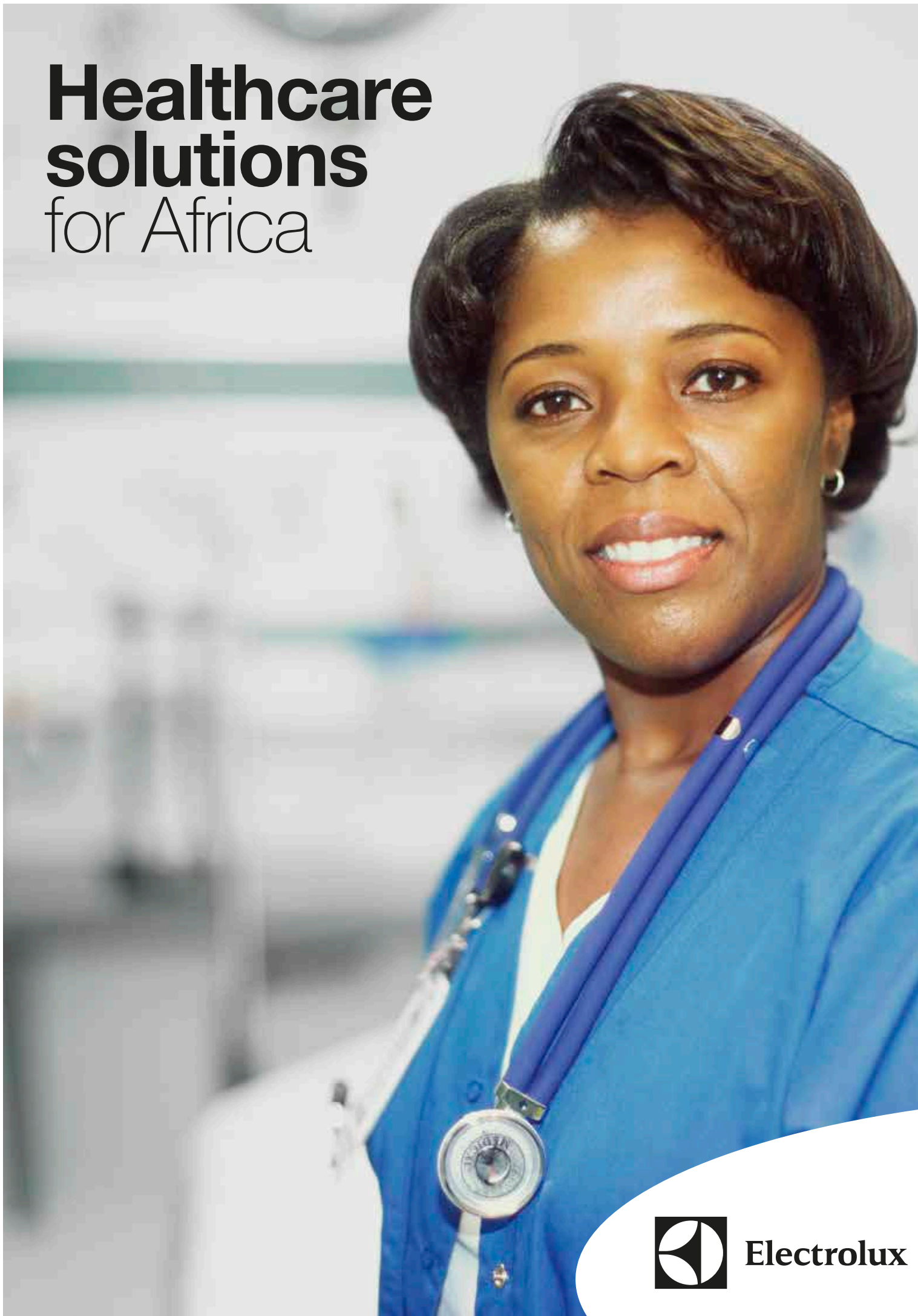


Healthcare solutions for Africa



Electrolux

Electrolux Line 5000 **The new range of Electrolux** **Professional machines**

Only the highest level of hygiene
for your healthcare laundry



**‘ We see the difference
Our patients feel it**

No other provider understands
the specific health processes of
our industry better and offers such
excellent solutions – especially in the
challenging African environment.’

Dr. V Pillay, Ministry of Health, Zambia



Excellent control over linen hygiene

Intelligent features and unique extras

Ultimate durability

We build extra robust Washers and Dryers that last longer. Due to robust mechanical construction, our machines require less maintenance and are optimised for all kinds of operations and environments - for reliability you can count on.

Enhanced economy

Lowering operational costs can be done without compromising quality. We provide you with solutions that

use less water, energy and detergent in order to make wash and dry cycles more efficient. Reduce costs while reducing your environmental footprint.

Maximum flexibility

The new Compass Pro®, the intuitive interface with up to 55 programs, maximises performance and gives you all the flexibility you could wish for. In addition to making life easier, this offers you unique ergonomic extras even before loading.

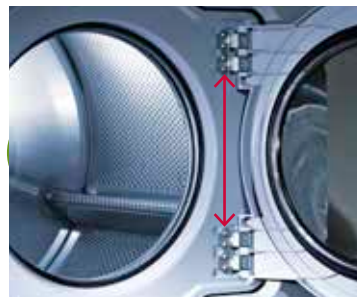
Durability



Minimised maintenance, extended lifetime

due to Power Balance for Washers

- ▶ Revolutionary unbalance detection system with higher G-factor
- ▶ Extra savings in drying due to most efficient dewatering
- ▶ Enables more silent operation thanks to less machine vibration



High reliability, extra-long lifetime

due to robust mechanical construction with quality components for Washers and Dryers

- ▶ Robust steel door and hinges set wide apart
- ▶ Extremely robust and durable cabinet

Economy



Cost savings in water and energy thanks to Automatic Saving System for Washers

- ▶ Determines the load weight and adds the correct amount of water
- ▶ Up to 50% water savings for half loads
- ▶ Energy savings due to less water to heat



Up to 15% energy savings

thanks to Eco Power for Dryers within the self-service business

- ▶ Calculates when garments are dry and automatically reduces dryer heat to the cool-down temperature

Unique from Electrolux

Flexibility / Ergonomy



Best flexibility and customised process performance

with Compass Pro® for Washers and Dryers

- ▶ Flexible and customisable
Up to 55 programs available of which 15 programmable
- ▶ Intuitive user interface for all kinds of operators



Fastest, safest and most ergonomic operation

with Automatic Inner Drum Positioning for Barrier Washers

- ▶ Inner drum is always in correct position before door is opened
- ▶ Eliminates the need and strain of manually positioning unbalanced loads
- ▶ Saves time during each load

When it comes to hygiene, there is no room for compromise

In healthcare institutions where infection outbreaks can put lives on the line, why risk contamination? With in-house laundry solutions from Electrolux Professional, you gain full control over your linen hygiene and get the peace of mind that external suppliers can't provide.

Electrolux Professional is the global expert in linen hygiene and offers the broadest range of solutions and best program flexibility on the market. Everything is developed with customer insight and close cooperation with global hygiene experts.



Our service includes:

- ▶ Initial laundry discussions and pros and cons of staff, mechanization, different types of heating, laundry hours (single vs double shifts) etc.
- ▶ Specification and sizing of laundries.
- ▶ Layout and positional drawings
- ▶ Equipment proposition
- ▶ Tender criteria
- ▶ Full technical and installation drawings
- ▶ Delivery and installation at site
- ▶ Commissioning and project sign off
- ▶ Warranty and after sales and spares support

Configured for your requirements because every laundry is different

The critical success factors for a hygienic laundry process are expertise and oversight, the right laundry equipment and microbiological control. You also have to be able to validate the process for quality checks and proof of compliance. Only then will your laundry operation meet emerging standards for biocontamination control.

Access solution – the traditional Healthcare Laundry 100% quality and cost control

Add value by saving costs

- ▶ Lowest cost per wash with best quality results
- ▶ Save time by optimising human resources
- ▶ Optimised linen stock
- ▶ Always on standby

Add value by boosting quality

- ▶ Full control over the level of hygiene
- ▶ Highest reactivity over the level of hygiene
- ▶ Most appropriate process for every need
- ▶ Shorter time between laundry and patient



Advanced solution – the innovative Barrier Laundry Your peace of mind comes first

- ▶ To prevent the spreading of pathogenic germs from dirty to clean linen, Electrolux offers its unique Barrier Laundry solution.
- ▶ Electrolux barrier washers feature 2 doors. One for loading dirty linen and one for unloading clean linen.
- ▶ The Barrier washer is installed in a wall that makes a physical separation between dirty and clean zones.
- ▶ There is no possibility that dirty linen trolleys are used to transport clean linen thus cancelling all risk of cross-contamination. It guarantees you optimum hygiene of your hospital linen at all times

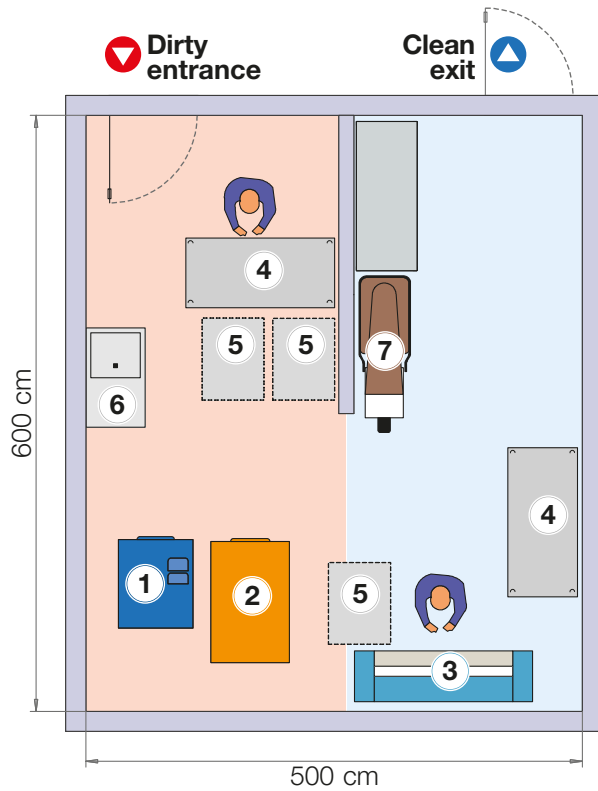


Small clinic of less than 30 beds

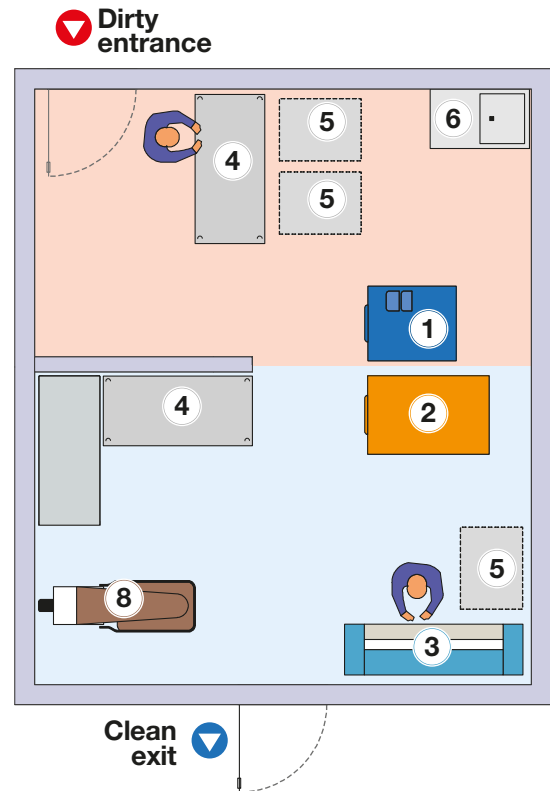
up to **120 kgs** of dirty linen per day

1

Access solution – the traditional Healthcare Laundry



Layout A



Layout B



Your list of equipment:

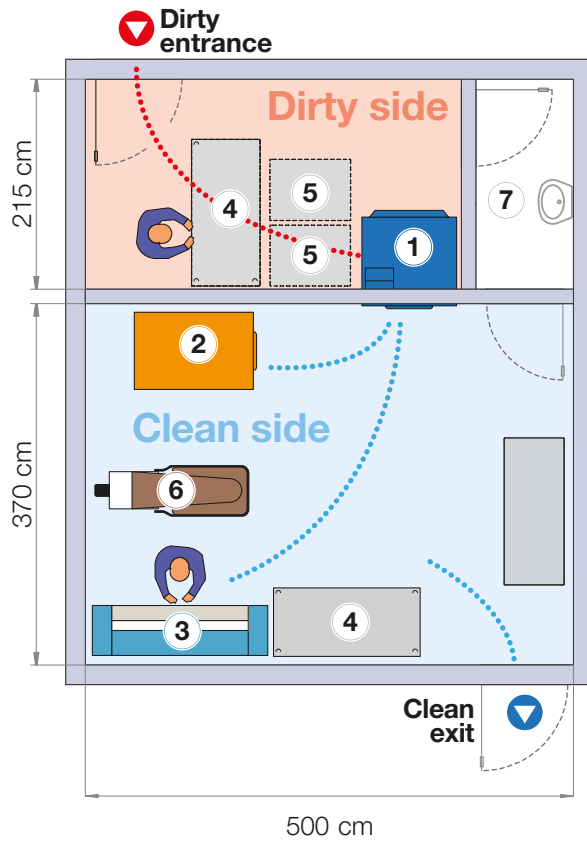
Item	Quantity	Model	Description
■ 1	1	W5180N	Washer Extractor
■ 2	1	T5350	Tumble dryer
■ 3	1	IB42314	Flatwork Ironer
■ 4	2		Sorting/Folding Table 1500 mm
■ 5	3		Transport trolley
■ 6	1		Sink
■ 7	1		Ironing table

Small clinic of less than 30 beds

up to 120 kgs of dirty linen per day

2

Advanced solution – the innovative Barrier Laundry



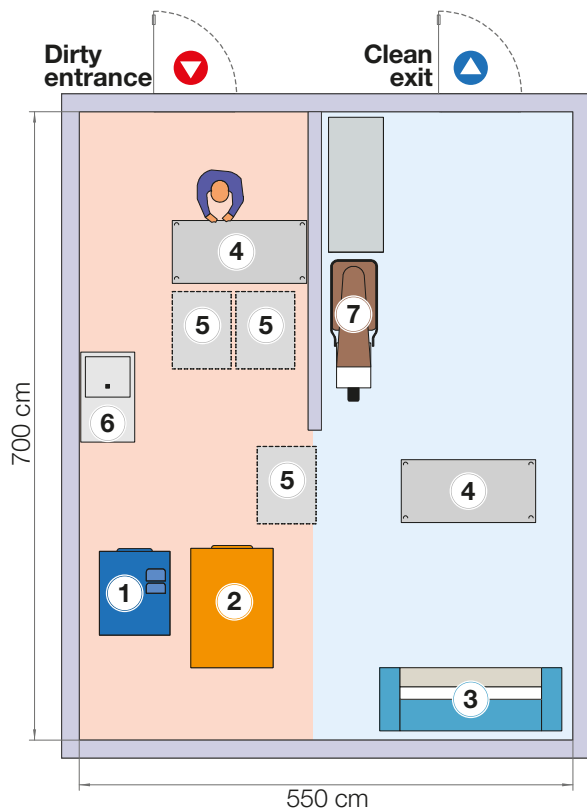
Your list of equipment:

Item	Quantity	Model	Description
■ 1	1	WB5180H	Washer Extractor
■ 2	1	T5350	Tumble dryer
■ 3	1	IB42314	Flatwork ironer
■ 4	1		Table 1500 mm
■ 5	1		Transport trolley
■ 6	1		Ironing table
■ 7	1		Hand washing sink

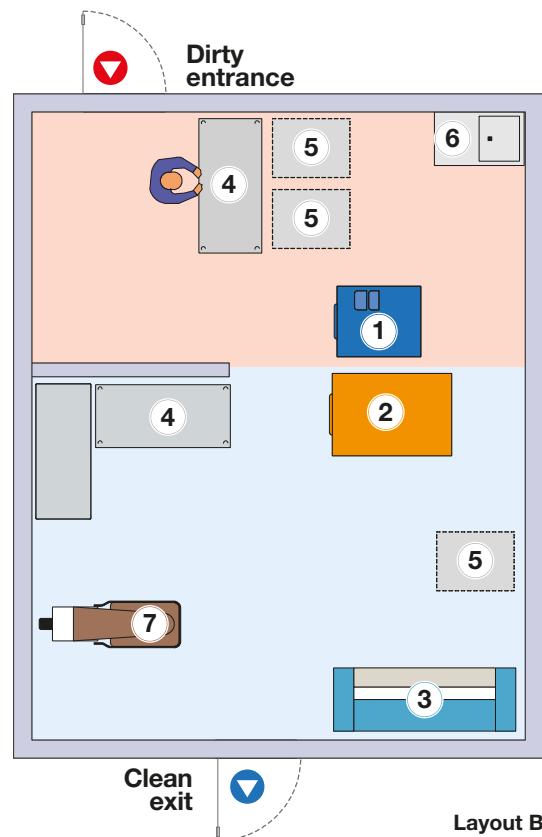
Small hospital up to 70 beds

up to **220 kgs** of dirty linen per day (one shift)

Access solution – the traditional Healthcare Laundry



Layout A



Layout B



Your list of equipment:

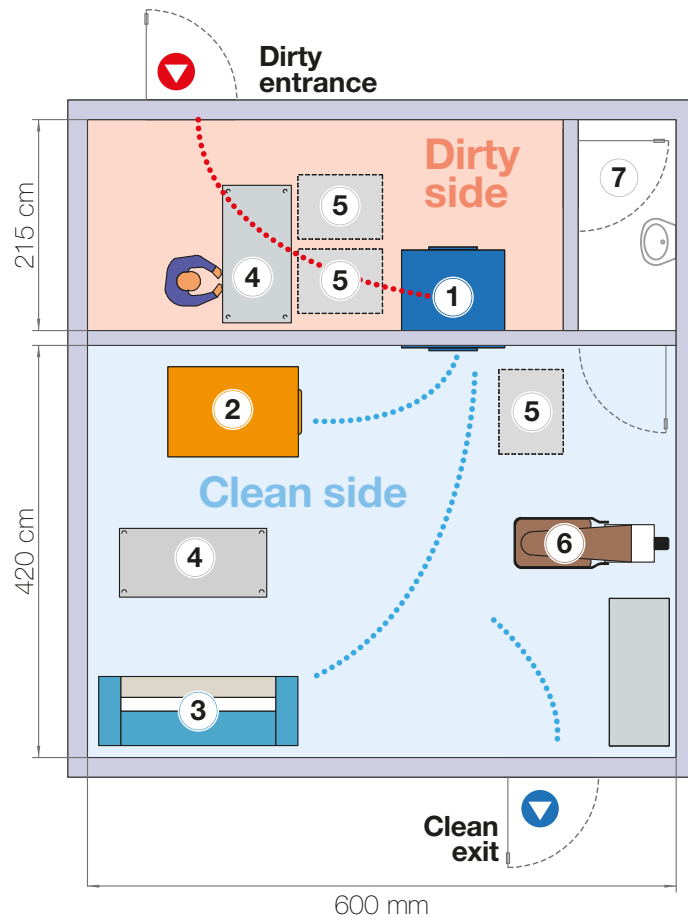
Item	Quantity	Model	Description
■ 1	1	W5250N	Washer Extractor
■ 2	1	T5550	Tumble dryer
■ 3	1	IC43316	Flatwork ironer
■ 4	2		Sorting/Folding Table 1500 mm
■ 5	3		Transport trolley
■ 6	1		Sink
■ 7	1		Ironing table

Small hospital up to 70 beds

up to **220 kgs** of dirty linen per day (one shift)

2

Advanced solution – the innovative Barrier Laundry



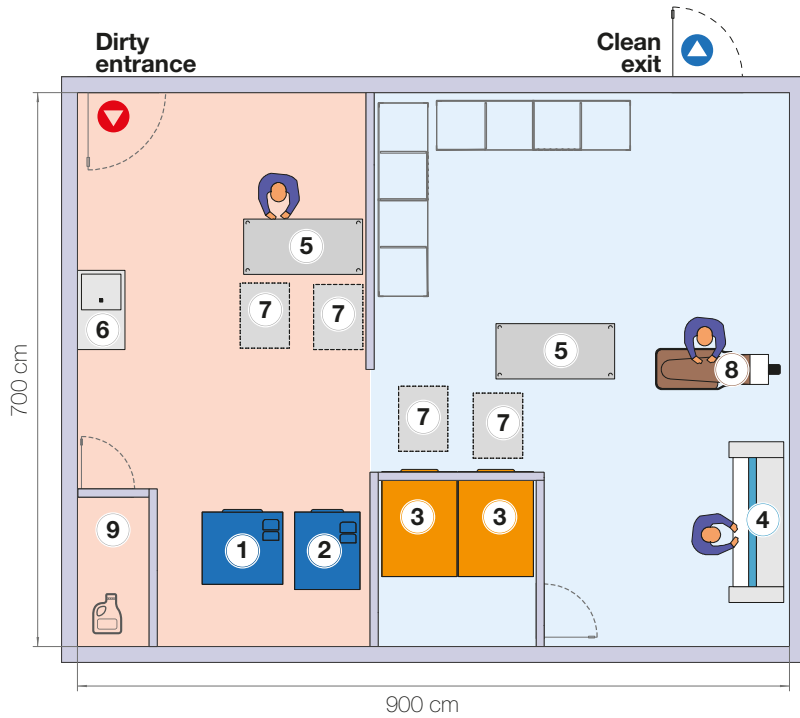
Your list of equipment:

Item	Quantity	Model	Description
■ 1	1	WSB5250H	Barrier Washer Extractor
■ 2	1	T5550	Tumble dryer
■ 3	1	IC43316	Flatwork Ironer
■ 4	2		Sorting/Folding Table 1500 mm
■ 5	3		Transport trolley
■ 6	1		Ironing table
■ 7	1		Hand washing sink

Hospital up to 140 beds

up to 400 kgs of dirty linen per day (one shift)

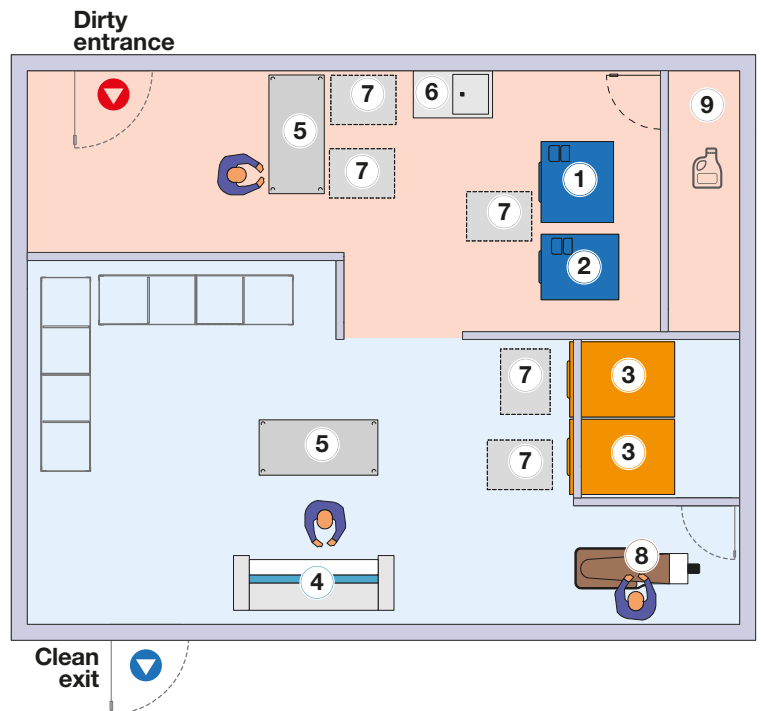
1 Access solution – the traditional Healthcare Laundry



Layout A



Layout B



Your list of equipment:

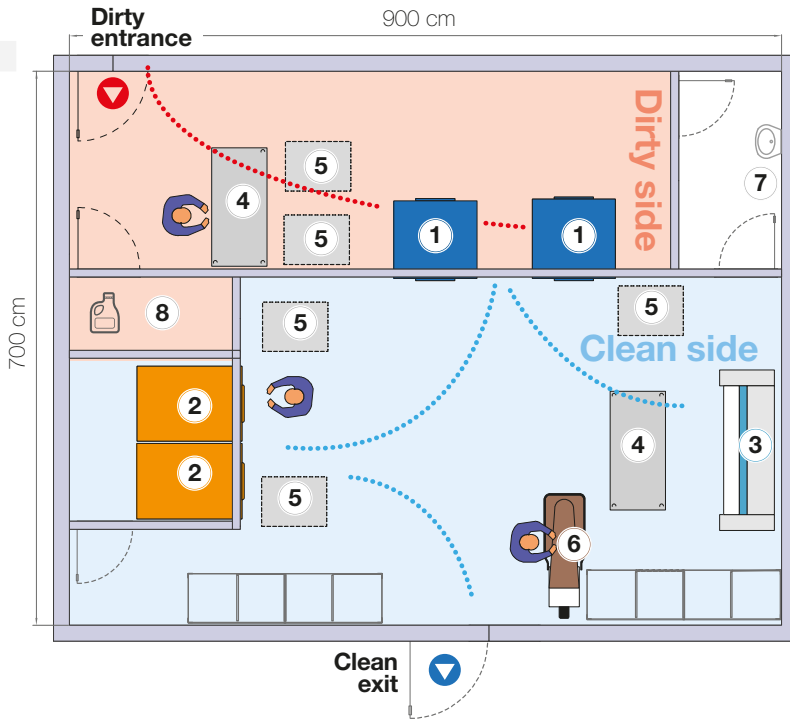
Item	Quantity	Model	Description
■ 1	1	W5240H	Washer Extractor
■ 2	1	W5250N	Washer Extractor
■ 3	2	T5550	Tumble dryer
■ 4	1	IC43316	Flatwork ironer
■ 5	2		Sorting/Folding Table 1500 mm
■ 6	1		Sink
■ 7	5		Transport trolley
■ 8	1		Ironing table
■ 9	1		Detergent room

Hospital up to 140 beds

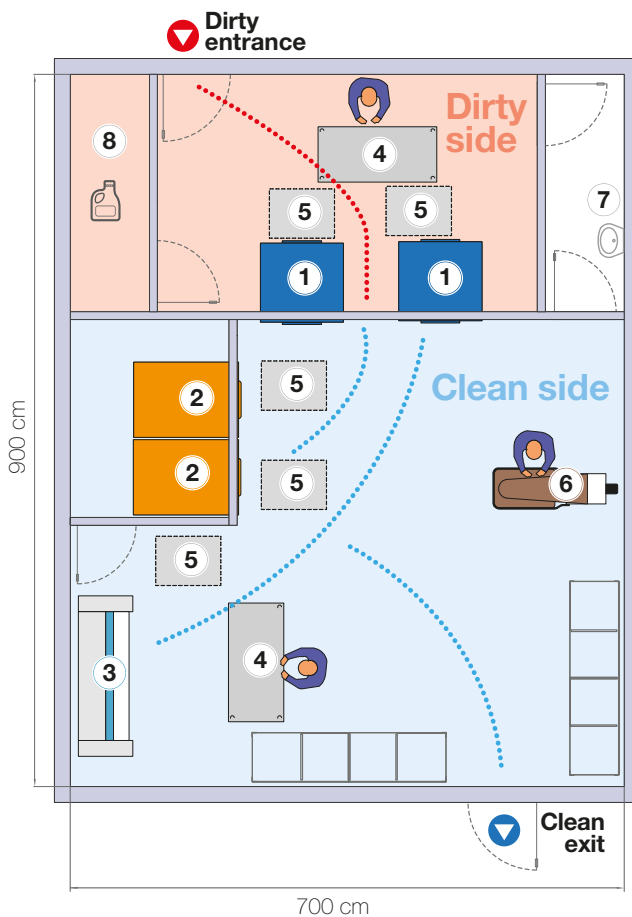
up to 400 kgs of dirty linen per day (one shift)

2

Advanced solution – the innovative Barrier Laundry



Layout A



Layout B



Your list of equipment:

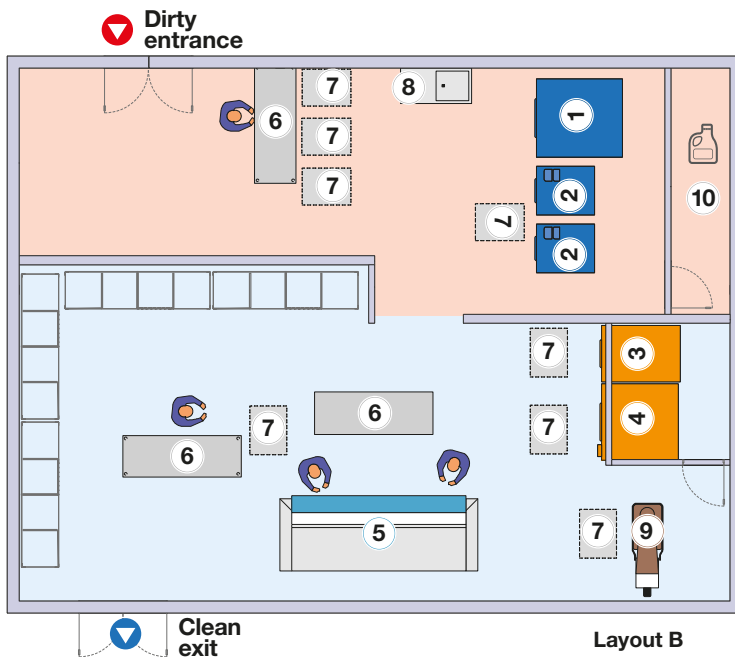
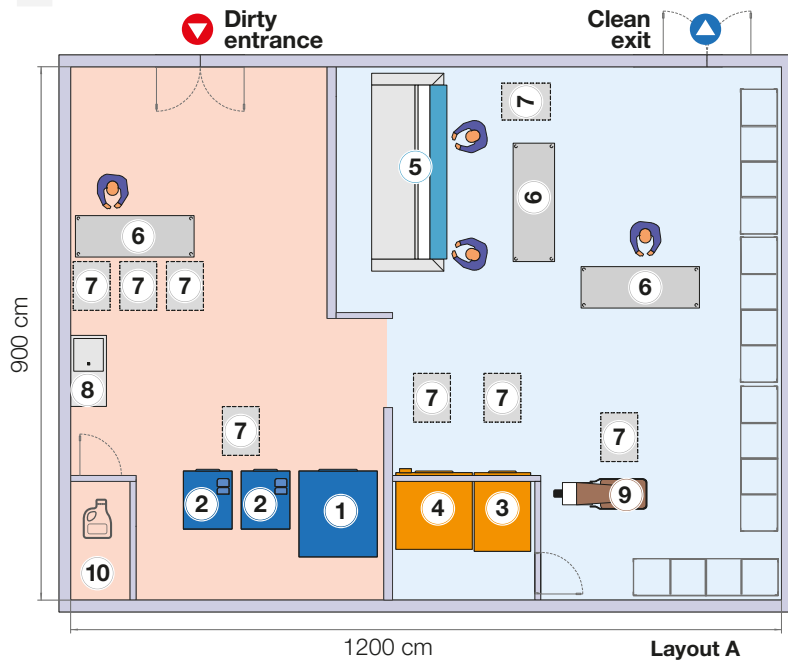
Item	Quantity	Model	Description
■ 1	2	WSB5250H	Washer Extractor
■ 2	2	T5550	Tumble dryer
■ 3	1	IC43316	Flatwork ironer
■ 4	2		Sorting/Folding Table 1500 mm
■ 5	5		Transport trolley
■ 6	1		Ironing table
■ 7	1		Hand washing sink
■ 8	1		Detergent room

Hospital up to 250 beds

up to **800 kgs** of dirty linen per day (one shift)

1

Access solution – the traditional Healthcare Laundry



Your list of equipment:

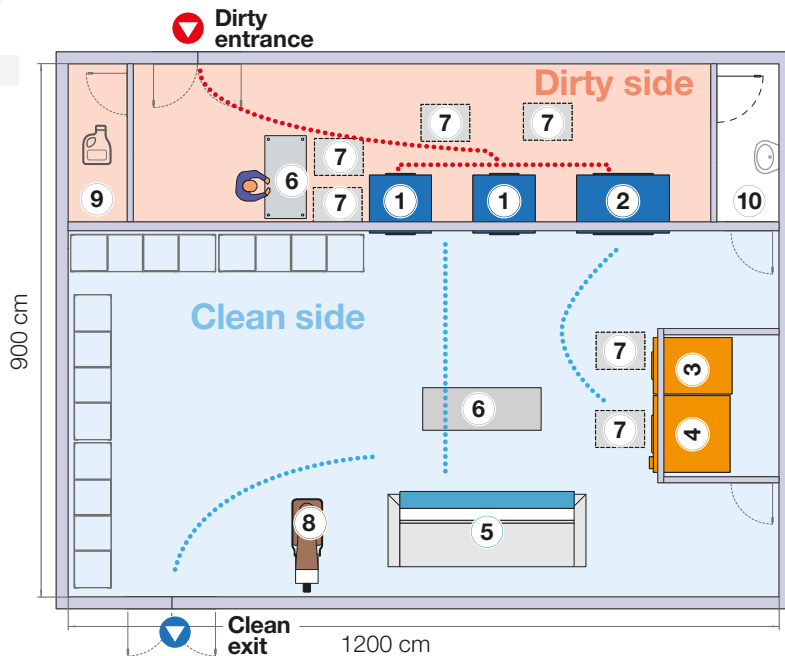
Item	Quantity	Model	Description
■ 1	1	W4400H	Washer Extractor
■ 2	2	W5250N	Washer Extractor
■ 3	1	T5550	Tumble dryer
■ 4	1	T4900	Tumble dryer
■ 5	1	IC44825	Flatwork ironer
■ 6	3		Table 2000 mm
■ 7	8		Transport trolley
■ 8	1		Sink
■ 9	1		Ironing table
■ 10	1		Detergent room

Hospital up to 250 beds

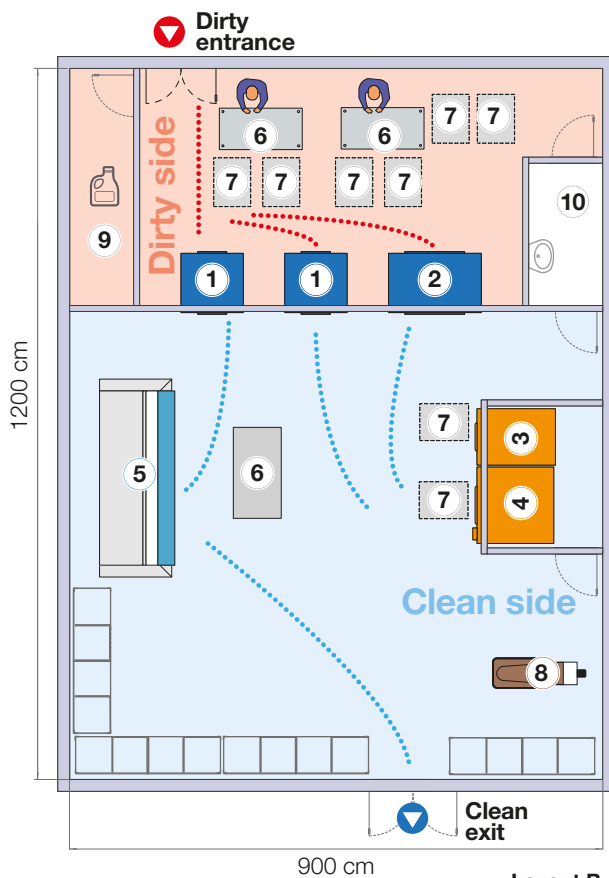
up to 800 kgs of dirty linen per day (one shift)

2

Advanced solution – the innovative Barrier Laundry



Layout A



Layout B



Your list of equipment:

Item	Quantity	Model	Description
1	2	WSB5250H	Washer Extractor
2	1	WSB5500H	Washer Extractor
3	1	T5550	Tumble dryer
4	1	T4900	Tumble dryer
5	1	IC44825	Flatwork ironer
6	2/3		Table 2000 mm
7	6		Transport trolley
8	1		Ironing table
9	1		Detergent room
10	1		Hand washing sink

Hospital over 250 beds

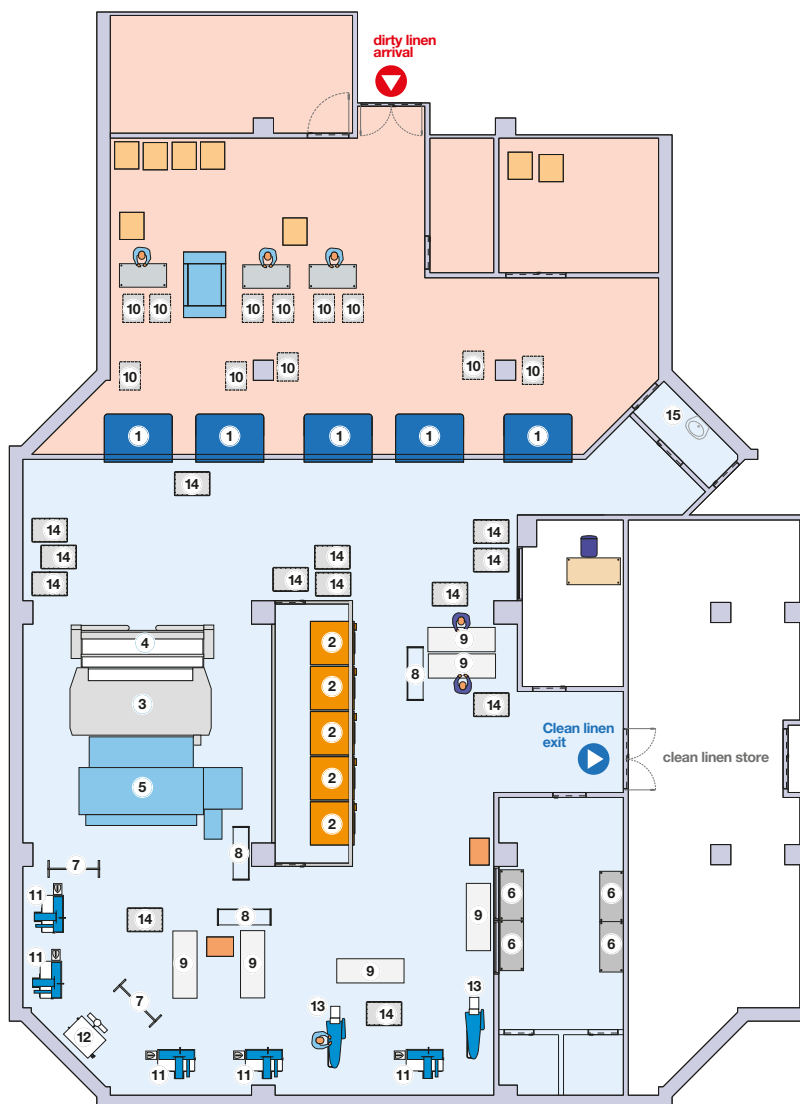
Customisable solutions from 1000 kgs per shift onwards

From **1000kgs - 5000 kgs** per shift.

Custom solution – the innovative Barrier Laundry

This barrier laundry layout is an example of a world class Electrolux Hospital barrier solution. As well as these being the industry standard in Europe, we also have had success in implementing such solutions in emerging countries.

Examples include “Peking Union Medical College Hospital” in **Beijing China**, “Spitalul Militar Galati” in **Romania**, Ministry of Health in **Egypt** and “Clean Medical Textile” commercial laundry in Cape Town **South Africa**.



Your list of equipment:

Item	Q.ty	Model	Description
1	5	WPB41100H	Washer Extractor
2	5	T4900	Tumble dryer
3	1	C-FLEX1230-1	Flatwork ironer
4	1		Flatwork feeder
5	1		Flatwork folder
6	4		Table 1500 mm
7	2		Mobile garment rack
8	3		Rolltainer
9	6		Table 720 mm
10	11		Transport trolley
11	5		Finishing press
12	1		Rotary finishing cabinet
13	2		Ironing table
14	13		Spring bottom trolley
15	1		Hand washing sink

Product specifications



Product Specification - Washers

Electrolux Washer Extractor W4400H

Main specifications

Rated capacity	45 kg	Filling factor	1:9
Drum volume	400 litres		
Extraction	825 rpm	with g-force	350
Overall dimensions	width	depth	height
	1325 mm	1450 mm	1975 mm
Net weight	1200 kg		
Protection class	IP24D		



Variant electric W4400H (Also available in steam operated version)

Heating electric	36.0 kW			
Electric connection	voltage (V/Hz)	power	fuse	
	400-50-3N	38 kW	63 A	
Water connection	cold water	DN 25	water pressure (kPa)	200-600
	hot water	DN 25	capacity at 300 kPa	110 l/min
Drain connection	Ø	110 mm	drain capacity	400 l/min
Compressed air connection	DN 6		air pressure (kPa)	500-700
			consumption (Nm³/h)	0.3

General description

The washer is a front loaded, open pocket high spin model, "soft-mount" type with suspended construction allowing a 350 g extraction to save energy during the drying process.

Heavy-duty mild steel bar construction made of hot dip galvanized steel; casing and panels made of galvanized and coated steel plate ⇒ protection from scratch, rust and corrosion. Front and top panel made of stainless steel.

Drum mounted in finely tuned spring-shock absorber-group; heavy-duty rear gable and bearing support. Compatible with up to 13 signals for liquid supply pumps and 8 connections to an external pump system. Frequency controlled motor; electronic microprocessor Clarus Control® for maximum flexibility.

Module description

Drum and bearing

Both the inner and outer wash cylinders are constructed entirely using stainless steel type 304 ⇒ corrosion resistant. The inner wash cylinder is fitted with 4 perforated spray lifters for improved agitation and quicker soaking of the wash load. Perforation holes are countersunk with diameter of 5 mm ⇒

improved rinse and dirt removal.

Shaft made of steel; two roller bearings contained in a single housing, sealed by at least 3 seals.

Control

Fully programmable microprocessor Clarus Control® with the following features:

- ▶ Easy to use with linguistically not fixed control panel with soft keys, numeric keypad and return key. Large display for clear text.
- ▶ Minimum 9 factory-set wash formulas and up to 192 for free programming.
- ▶ Wash programs can be numbered from 1-990.
- ▶ Card reader for smart memory cards with up to 15 wash programs.
- ▶ Smart memory cards available with locked wash programs ⇒ guarantee safety for unchanged wash programs.

Control panel can be locked and smart memory cards be allowed as the only possibility to run a wash program ⇒ guarantee safety for choice of the correct wash program.

Wash programs available in 14 different languages. It is possible to change language with new software.

Easy programming directly on the control panel: all main parameters can be set continuously ⇒ flexibility.
With the PC software tool Laundry Program Manager “LPM” customized wash programs can be created ⇒ maximum flexibility. Quick transfer to control via smart memory card and card reader placed in front panel of the washer.

Start delay up to 99 hours.

Prepared for connection with interface to CMIS (software for data logging and process validation).

Prepared for connection with interface to DMIS (software for intelligent detergent dosing system).

Out of balance detection: “Super Balance”

Integrated electronic unbalance detection “Super Balance” for monitoring of unbalance. In case there is too much out-of-balance in the drum the system will redistribute the load without water to determine which drum speed (g-force) will be accepted ⇒ at any time the maximum extraction force will be applied.

Detergent supply

8 connections (6 x Ø10 mm, 1 x Ø16 mm, 1 x Ø20 mm) for liquid detergent supply on the rear of the machine. Up to 13 liquid detergent pumps can be controlled.

Safety features

Safety interlock on the loading door supervises the water level and the motor drive so that the door cannot open until the water level is below the inner drum and the drum rotation has stopped.

The supervision continues to work for at least five minutes in the event of a power failure and thus safely opens the door under the above circumstances. The interlock also contains switches to confirm that the door is closed and that the door is locked.

By coupling the door to the water level the door can be opened as soon as possible after drain ⇒ no idle time.

Door lock

Door lock enclosed in a thick plastic casing.

Door handle made of steel with rubber coating for best ergonomics.

Drive system

Motor powered by a variable frequency drive, without gearboxes, clutches or gear reducers.

Mechanical belt tensioning device ⇒ easy to service.

Frequency control allows customized wash programs by variable rotation speed during all program steps ⇒ flexibility.

Water and drain

Two water inlets for cold and hot water, pneumatically operated.

Pneumatically operated drain valve for clean, fast and accurate function.

Drain valve installed directly below the outer drum, there is no unused bath outside the drum ⇒ savings of water, detergents and energy.

Serviceability

Easy handling: washer can be moved by a trolley jack or similar.

Major electric components (timer, water valves and door lock etc.) are fitted with a multi-position quick-connect “card-edge” connectors for quick and easy servicing.

Options

- ▶ Powder box front mounted with 4 compartments each 1 litre for manual dosing of powder and liquid detergents ⇒ flexibility in choice of detergents.
- ▶ Automatic flush ⇒ prevents powder box from corrosion, enables correct dosing of liquid detergents.
- ▶ Powder box side mounted with 4 compartments each 1 litre for manual dosing of powder and liquid detergents ⇒ flexibility in choice of detergents.
- ▶ 5 extra liquid connections.
- ▶ Tilt forward to facilitate unloading.
- ▶ Tilt forward to facilitate unloading and tilt backward to enable automatic loading.
- ▶ Front mounted hopper for loading of sling bags.
- ▶ Noise insulation to obtain airborne sound level less than 70 dB(A).
- ▶ Integrated Weighing System IWS: weight cells measure the drum load to achieve the correct load and thus more efficiency by savings of time, water and energy.
- ▶ Stainless steel casing to better stand the aggressive environment.
- ▶ Second drain valve for water re-use.
- ▶ Third water inlet for soft water.
- ▶ Third water inlet for re-use water.
- ▶ Titration valve for bath sampling.

Product Specification - Washers

Electrolux Washer Extractor W5180N

Main specifications

Rated capacity	20 kg	Filling factor	1:9
Drum volume	180 litres		
Extraction	525 rpm	with g-force	100
Overall dimensions	width	depth	height
	750 mm	880 mm	1333 mm
Net weight	228 kg		
Protection class	IP24D		



Variant electric W5180N (Also available in steam operated version)

Heating electric	13.0 kW			
Electric connection	voltage (V/Hz)	power	fuse	
	400-50-3N	14 kW	25 A	
Water connection	cold water	DN 20	water pressure (kPa)	200-600
	hot water	DN 20	capacity at 300 kPa	60 l/min
Drain connection	Ø	75 mm	drain capacity	170 l/min

General description

The washer is a front loaded, open pocket normal spin model, "rigid-mount" type and has to be securely fastened to the ground floor.

Heavy-duty riveted frame construction made of hot dip galvanized steel; casing and panels made of galvanized and coated steel plate ⇒ protection from scratch, rust and corrosion. Top panel made of stainless steel.

Drum rigidly mounted with heavy-duty rear gable and bearing support. Powder box on top of washer with 4 compartments. Frequency controlled motor; electronic microprocessor Compass Pro® for maximum flexibility.

Module description

Drum and bearing

Both the inner and outer wash cylinders are constructed entirely using stainless steel type 304 ⇒ corrosion resistant.

The inner wash cylinder is fitted with three perforated spray lifters for improved agitation and quicker soaking of the wash load.

Perforation holes are countersunk with diameter of 5 mm ⇒ improved rinse and dirt removal.

Shaft made of steel; two roller bearings contained in a single housing, sealed by at least 3 seals.

Control

Electronic microprocessor Compass Pro® with the following features:

- ▶ One dial only for program selection, start and rapid advance.
- ▶ Panel with up to 6 quick selection buttons.
- ▶ Large display 40 x 70 mm (128 x 64 pixels) to display text and symbols.
- ▶ Wash programs available in 18 different languages. Language can be changed by the operator before any program is started.

Basic wash programs available in three variants: focused on economy, time or performance ⇒ best possible solution for any laundry case, maximum flexibility.

Wash program focused on economy with lowest running cost.

Automatic Saving "AS" function for standard wash programs: machine weighs the load and adjusts the consumption of water and energy ⇒ considerable savings when drum is only partly loaded.

Different wash program libraries available. Up to 55 wash programs (40 factory plus 15 customized) can be stored.

With the PC software tool Laundry Program Manager "LPM" customized wash programs can be created ⇒ maximum flexibility. USB interface in front panel for quick and easy access to update the control.

Start delay up to 99 hours in real time.
Prepared for connection with interface to CMIS (software for data logging and process validation).

Out of balance detection: "Super Balance"

Integrated electronic unbalance detection "Super Balance" for monitoring of unbalance and adjustment of g-factor throughout the entire extraction sequence, without adding additional water ⇒ at any time the maximum extraction force will be applied.

Detergent supply

Powder box on top of washer with 4 compartments for manual dosing of powder and liquid detergents ⇒ flexibility in choice of detergents. Two compartments for liquid detergents, with syphon breaker: each liquid detergent will be supplied separately and completely flushed ⇒ prevents powder box from corrosion, enables correct dosing of liquid detergents.

Safety features

Safety interlock on the loading door supervises the water level and the motor drive so that the door cannot open until the water level is below the inner drum and the drum rotation has stopped.

The supervision continues to work for at least five minutes in the event of a power failure and thus safely opens the door under the above circumstances. The interlock also contains switches to confirm that the door is closed and that the door is locked.

By coupling the door to the water level the door can be opened as soon as possible after drain ⇒ no idle time.

Door lock

Door lock enclosed in a splash proof plastic casing.
Door handle with a slip clutch function so that the handle rotates in either direction in case anyone tries to open the door.

Drive system

Motor powered by a variable frequency drive, without gearboxes, clutches or gear reducers.
Mechanical belt tensioning device ⇒ easy to service.
Frequency control allows customized wash programs by variable rotation speed during all program steps ⇒ flexibility.

Water and drain

Two water inlets for cold and hot water.
Water pressure operated drain valve without any electrical parts ⇒ durable, easy to maintain.
Drain valve installed directly below the outer drum, there is no unused bath outside the drum ⇒ savings of water, detergents and energy.

Serviceability

Easy handling: washer can be moved by a fork lift.
Quick access for maintenance by easily removable panels.
Software updates via USB interface without removing of panels.

Options

- ▶ 2 I/O-board for additional signals; compatible with up to 5 signals for liquid detergent pumps.
- ▶ Front panel made of stainless steel.

Product Specification - Washers

Electrolux Washer Extractor W5240H

Main specifications

Rated capacity	27 kg	Filling factor	1:9
Drum volume	240 litres		
Extraction	1005 rpm	with g-force	450
Overall dimensions	width	depth	height
	1022 mm	992 mm	1490 mm
Net weight	400 kg		
Protection class	IP24D		



Variant electric W5240H (Also available in steam operated version)

Heating electric	23.0 kW			
Electric connection	voltage (V/Hz)	power	fuse	
	400-50-3N	23 kW	35 A	
Water connection	cold water	DN 20	water pressure (kPa)	200-600
	hot water	DN 20	capacity at 300 kPa	60 l/min
Drain connection	Ø	75 mm	drain capacity	170 l/min

General description

The washer is a front loaded, open pocket high spin model, "soft-mount" type with suspended construction allowing a 450 g extraction ⇒ to save energy during the drying process.

Heavy-duty riveted frame construction made of hot dip galvanized steel; casing and panels made of galvanized and coated steel plate ⇒ protection from scratch, rust and corrosion. Front and top panel made of stainless steel.

Drum mounted in finely tuned spring-shock absorber-group; heavy-duty rear gable and bearing support. Powder box on top of washer with 4 compartments. Compatible with up to 5 signals for liquid detergent pumps. Frequency controlled motor; electronic microprocessor Compass Pro® for maximum flexibility.

Module description

Drum and bearing

Both the inner and outer wash cylinders are constructed entirely using stainless steel type 304 ⇒ corrosion resistant.

The inner wash cylinder is fitted with three perforated spray lifters for improved agitation and quicker soaking of the wash load.

Perforation holes are countersunk with diameter of 5 mm ⇒

improved rinse and dirt removal.

Shaft made of steel; two roller bearings contained in a single housing, sealed by at least 3 seals.

Control

Electronic microprocessor Compass Pro® with the following features:

- ▶ One dial only for program selection, start and rapid advance.
- ▶ Panel with up to 6 quick selection buttons.
- ▶ Large display 40 x 70 mm (128 x 64 pixels) to display text and symbols.
- ▶ Wash programs available in 18 different languages. Language can be changed by the operator before any program is started.

Basic wash programs available in three variants: focused on economy, time or performance ⇒ best possible solution for any laundry case, maximum flexibility.

Wash program focused on economy with lowest running cost.

Automatic Saving "AS" function for standard wash programs: machine weighs the load and adjusts the consumption of water and energy ⇒ considerable savings when drum is only partly loaded.

Different wash program libraries available.

Up to 55 wash programs (40 factory plus 15 customized) can be stored.

With the PC software tool Laundry Program Manager "LPM" customized wash programs can be created ⇒ maximum flexibility. USB interface in front panel for quick and cheap access to update the control.

Start delay up to 99 hours in real time.
Prepared for connection with interface to CMIS (software for data logging and process validation).

Out of balance detection: "Power Balance"

Integrated electronic unbalance detection "Power Balance" for real-time monitoring of unbalance and adjustment of g-force throughout the entire extraction sequence, without adding additional water.

- ⇒ at any time the maximum extraction force will be applied
- ⇒ at any time the linen comes out after maximum dewatering
- ⇒ saves consumption cost during the drying cycle
- ⇒ "Power Balance" enables more silent operation and increased lifetime of the machine

Detergent supply

Powder box on top of washer with 4 compartments for manual dosing of powder and liquid detergents ⇒ flexibility in choice of detergents. Two compartments for liquid detergents, with syphon breaker: each liquid detergent will be supplied separately and completely flushed ⇒ prevents powder box from corrosion, enables correct dosing of liquid detergents.

Connections (8 x Ø8 mm, 2 x Ø20 mm) for liquid detergent supply on the rear of the machine. Up to 5 liquid detergent pumps can be controlled.

Safety features

Safety interlock on the loading door supervises the water level and the motor drive so that the door cannot open until the water level is below the inner drum and the drum rotation has stopped.

The supervision continues to work for at least five minutes in the event of a power failure and thus safely opens the door under the above circumstances. The interlock also contains switches to confirm that the door is closed and that the door is locked.

By coupling the door to the water level the door can be opened as soon as possible after drain ⇒ no idle time.

Door lock

Door lock enclosed in a splash proof plastic casing.
Door handle with a slip clutch function so that the handle rotates in either direction in case anyone tries to open the door.

Drive system

Motor powered by a variable frequency drive, without gearboxes, clutches or gear reducers.

Mechanical belt tensioning device ⇒ easy to service.
Frequency control allows customized wash programs by variable rotation speed during all program steps ⇒ flexibility.

Water and drain

Two water inlets for cold and hot water.

Water pressure operated drain valve without any electrical parts ⇒ durable, easy to maintain.

Drain valve installed directly below the outer drum, there is no unused bath outside the drum ⇒ savings of water, detergents and energy.

Serviceability

- ▶ Easy handling: washer can be moved by a fork lift.
- ▶ Quick access for maintenance by easily removable panels.
- ▶ Software updates via USB interface without removing of panels.

Product Specification - Washers

Electrolux Washer Extractor W5250N



Main specifications

Rated capacity	28 kg	Filling factor	1:9
Drum volume	250 litres		
Extraction	497 rpm	with g-force	100
Overall dimensions	width	depth	height
	830 mm	955 mm	1410 mm
Net weight	287 kg		
Protection class	IP24D		

Variant electric W5250N (Also available in steam operated version)

Heating electric	18.0 kW			
Electric connection	voltage (V/Hz)	power	fuse	
	400-50-3N	19 kW	35 A	
Water connection	cold water	DN 20	water pressure (kPa)	200-600
	hot water	DN 20	capacity at 300 kPa	60 l/min
Drain connection	Ø	75 mm	drain capacity	170 l/min

General description

The washer is a front loaded, open pocket normal spin model, "rigid-mount" type and has to be securely fastened to the ground floor.

Heavy-duty riveted frame construction made of hot dip galvanized steel; casing and panels made of galvanized and coated steel plate ⇒ protection from scratch, rust and corrosion. Top panel made of stainless steel.

Drum rigidly mounted with heavy-duty rear gable and bearing support.

Powder box on top of washer with 4 compartments. Frequency controlled motor; electronic microprocessor Compass Pro® for maximum flexibility.

Module description

Drum and bearing

Both the inner and outer wash cylinders are constructed entirely using stainless steel type 304 ⇒ corrosion resistant.

The inner wash cylinder is fitted with three perforated spray lifters for improved agitation and quicker soaking of the wash load.

Perforation holes are countersunk with diameter of 5 mm ⇒ improved rinse and dirt removal.

Shaft made of steel; two roller bearings contained in a single housing, sealed by at least 3 seals.

Control

Electronic microprocessor Compass Pro® with the following features:

- ▶ One dial only for program selection, start and rapid advance.
- ▶ Panel with up to 6 quick selection buttons.
- ▶ Large display 40 x 70 mm (128 x 64 pixels) to display text and symbols.
- ▶ Wash programs available in 18 different languages. Language can be changed by the operator before any program is started.

Basic wash programs available in three variants: focused on economy, time or performance ⇒ best possible solution for any laundry case, maximum flexibility.

Wash program focused on economy with lowest running cost.

Automatic Saving "AS" function for standard wash programs: machine weighs the load and adjusts the consumption of water and energy ⇒ considerable savings when drum is only partly loaded.

Different wash program libraries available. Up to 55 wash programs (40 factory plus 15 customized) can be stored.

With the PC software tool Laundry Program Manager “LPM” customized wash programs can be created ⇒ maximum flexibility. USB interface in front panel for quick and cheap access to update the control.

Start delay up to 99 hours in real time.
Prepared for connection with interface to CMIS (software for data logging and process validation).

Out of balance detection: “Super Balance”

Integrated electronic unbalance detection “Super Balance” for monitoring of unbalance and adjustment of g-factor throughout the entire extraction sequence, without adding additional water ⇒ at any time the maximum extraction force will be applied.

Detergent supply

Powder box on top of washer with 4 compartments for manual dosing of powder and liquid detergents ⇒ flexibility in choice of detergents. Two compartments for liquid detergents, with syphon breaker: each liquid detergent will be supplied separately and completely flushed ⇒ prevents powder box from corrosion, enables correct dosing of liquid detergents.

Safety features

Safety interlock on the loading door supervises the water level and the motor drive so that the door cannot open until the water level is below the inner drum and the drum rotation has stopped.

The supervision continues to work for at least five minutes in the event of a power failure and thus safely opens the door under the above circumstances. The interlock also contains switches to confirm that the door is closed and that the door is locked.

By coupling the door to the water level the door can be opened as soon as possible after drain ⇒ no idle time.

Door lock

Door lock enclosed in a splash proof plastic casing.
Door handle with a slip clutch function so that the handle rotates in either direction in case anyone tries to open the door.

Drive system

Motor powered by a variable frequency drive, without gearboxes, clutches or gear reducers.
Mechanical belt tensioning device ⇒ easy to service.
Frequency control allows customized wash programs by variable rotation speed during all program steps ⇒ flexibility.

Water and drain

Two water inlets for cold and hot water.
Water pressure operated drain valve without any electrical parts ⇒ durable, easy to maintain.
Drain valve installed directly below the outer drum, there is no unused bath outside the drum ⇒ savings of water, detergents and energy.

Serviceability

Easy handling: washer can be moved by a fork lift.
Quick access for maintenance by easily removable panels.
Software updates via USB interface without removing of panels.

Options

- ▶ 2 I/O-board for additional signals; compatible with up to 5 signals for liquid detergent pumps.
- ▶ Front panel made of stainless steel.

Product Specification - Barrier Washers

Electrolux Barrier Washer Extractor WB5180H Pocket

Main specifications

Rated capacity	18 kg	Filling factor	1:10
Drum volume	130 litres		
Extraction	860 rpm	with g-force	300
Overall dimensions	width	depth	height
	970 mm	975 mm	1410 mm
Net weight	356 kg		
Inner drum door dimensions	280 mm		280 mm
Protection class	IP24D		

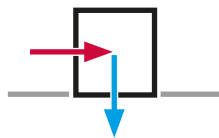


Variant electric WB5180H (Also available in steam operated version)

Heating electric	18.0 kW			
Electric connection	voltage (V/Hz)	power	fuse	
	400-50-3N	18 kW	35 A	
Water connection	cold water	DN 20	water pressure (kPa)	150-400
	hot water	DN 20	capacity at 300 kPa	20 l/min
Drain connection	Ø	75 mm	drain capacity	150 l/min

General description

The washer is a side loaded/front unloaded barrier model, "soft-mount" type with suspended construction allowing a 300 g extraction ⇒ to save energy during the drying process. No special foundation required. Lateral loading door construction for hygienic barrier installations.



Loading door available on the right or left hand side ⇒ space saving design, can be adjusted to the local conditions.

Robust frame construction made of hot dip galvanized steel; casing and panels made of galvanized and coated steel plate ⇒ protection from scratch, rust and corrosion. Front and top panel made of stainless steel. Vertical hinged rectangular loading door; vertical hinged round unloading door with bull's eye.

Drum mounted in finely tuned spring-shock absorber-group; heavy-duty rear gable and bearing support. Powder box on top of washer with 4 compartments.

Compatible with up to 5 signals for liquid detergent pumps. Frequency controlled motor; electronic microprocessor Compass Pro® for maximum flexibility.

Module description

Drum and bearing

Both the inner and outer wash cylinders are constructed entirely using stainless steel type 304 ⇒ corrosion resistant.

The inner wash cylinder is fitted with three perforated spray lifters for improved agitation and quicker soaking of the wash load.

Perforation holes are countersunk with diameter of 5 mm ⇒ improved rinse and dirt removal.

Shaft made of steel; two roller bearings contained in a single housing, sealed by at least 3 seals.

Control

Electronic microprocessor Compass Pro® with the following features:

- ▶ One dial only for program selection, start and rapid advance.
- ▶ Panel with up to 6 quick selection buttons.

- ▶ Large display 40 x 70 mm (128 x 64 pixels) to display text and symbols.
- ▶ Wash programs available in 18 different languages. Language can be changed by the operator before any program is started.

Basic wash programs available in three variants: focused on economy, time or performance ⇒ best possible solution for any laundry case, maximum flexibility.

Wash program focused on economy with lowest running cost.

Automatic Saving “AS” function for standard wash programs: machine weighs the load and adjusts the consumption of water and energy ⇒ considerable savings when drum is only partly loaded.

Different wash program libraries available.

Up to 55 wash programs (40 factory plus 15 customized) can be stored.

With the PC software tool Laundry Program Manager “LPM” customized wash programs can be created ⇒ maximum flexibility. USB interface in front panel for quick and cheap access to update the control.

Start delay up to 99 hours in real time.

Prepared for connection with interface to CMIS (software for data logging and process validation).

Out of balance detection: “Power Balance”

Integrated electronic unbalance detection “Power Balance” for real-time monitoring of unbalance and adjustment of g-factor throughout the entire extraction sequence, without adding additional water.

- ⇒ at any time the maximum extraction force will be applied
- ⇒ at any time the linen comes out after maximum dewatering
- ⇒ saves consumption cost during the drying cycle
- ⇒ “Power Balance” enables more silent operation and increased lifetime of the machine

Detergent supply

Powder box on top of washer with 4 compartments for manual dosing of powder and liquid detergents ⇒ flexibility in choice of detergents. Two compartments for liquid detergents, with syphon breaker: each liquid detergent will be supplied separately and completely flushed ⇒ prevents powder box from corrosion, enables correct dosing of liquid detergents.

Connections (8 x Ø8 mm, 2 x Ø20 mm) for liquid detergent supply on the rear of the machine. Up to 5 liquid detergent pumps can be controlled.

Safety features

Mutual lock of loading and unloading door, can't be opened simultaneously. Safety interlock on the loading door supervises the water level and the motor drive so that the door cannot open until the water level is below the inner drum and the drum rotation has stopped.

The supervision continues to work for at least five minutes in the event of a power failure and thus safely opens the door under the above circumstances. The interlock also contains switches to confirm that the door is closed and that the door is locked.

By coupling the door to the water level the door can be opened as soon as possible after drain ⇒ no idle time.

Aseptic barrier kit: three-side aluminium profiles with rubber sealing ⇒ improve hygiene.

Door lock

Door lock enclosed in a splash proof plastic casing. Door handle with a slip clutch function so that the handle rotates in either direction in case anyone tries to open the door.

Drive system

Frequency controlled motor drive, without gearboxes, clutches or gear reducers.

Mechanical belt tensioning device ⇒ easy to service.

Frequency control allows customized wash programs by variable rotation speed during all program steps ⇒ flexibility.

Water and drain

Two water inlets for cold and hot water.

Water pressure operated drain valve without any electrical parts ⇒ durable, easy to maintain.

Drain valve installed directly below the outer drum, there is no unused bath outside the drum ⇒ savings of water, detergents and energy.

Serviceability

Easy handling: washer can be moved by a fork lift. Quick access for maintenance by easily removable panels. Software updates via USB interface without removing of panels. Titration valve for bath sampling.

Options

- ▶ Base for ergonomic work height 200 mm closed, made of stainless steel
- ▶ Double display Compass Pro®: process data are also available on the clean room side ⇒ enables optimum workflow, saves time.
- ▶ Side panels made of stainless steel.

Accessories

- ▶ Interface for CMIS (software for data logging and process validation)
- ▶ ED Efficient Dosing System: the detergent supply will be adjusted to the determined load ⇒ efficient and environmental friendly.

Product Specification - Barrier Washers

Electrolux Barrier Washer Extractor WSB5250H Evolution

Main specifications

Rated capacity	25 kg	Filling factor	1:10
Drum volume	250 litres		
Extraction	910 rpm	with g-force	350
Overall dimensions	width	depth	height
	1050 mm	1050 mm	1620 mm
Inner drum door dimensions	450 mm		400 mm
	Inner drum door area 18 dm ²		
Net weight	710 kg		
Protection class	IP24D		

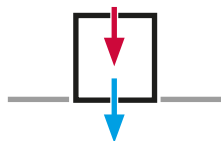


Variant electric WSB5250H (Also available in steam operated version)

Heating electric	22.5 kW			
Electric connection	voltage (V/Hz)	power	fuse	
	400-50-3N	23 kW	33 A	
Water connection	cold water	DN 20	water pressure (kPa)	50-300
	hot water	DN 20	capacity at 300 kPa	70 l/min
Drain connection	Ø	75/110 mm	drain capacity	240 l/min

General description

The washer is a side loaded barrier model, "soft-mount" type with suspended construction allowing a 350 g extraction ⇒ to save energy during the drying process. No special foundation required. Pass-through construction offers the best hygiene and ergonomics in barrier installations.



Robust frame construction made of hot dip galvanized steel; casing and panels made of galvanized and coated steel plate ⇒ protection from scratch, rust and corrosion. External doors with vertical hinges and 175° opening, easy to handle and reversible. Bottom edge of the door opening 850 mm ⇒ optimum working height, adjusted to trolley height for ergonomic work.

Drum mounted on both sides, with V-belt drive in finely tuned spring-shock absorber-group. Automatic inner drum positioning.

Compatible with up to 13 signals for liquid detergent pumps. Frequency controlled motor; microprocessor Compass Pro® for maximum flexibility.

Module description

Drum and bearing

Both the inner and outer wash cylinders are constructed entirely using stainless steel type 304 ⇒ corrosion resistant.

The inner wash cylinder is fitted with five perforated spray lifters for improved agitation and quicker soaking of the wash load.

Perforation holes are countersunk with diameter of 5 mm ⇒ improved rinse and dirt removal.

Shaft made of steel; two roller bearings contained in a single housing, sealed by at least 3 seals.

Large inner drum door dimensions for easy loading and unloading.

Automatic inner drum positioning with safe and ergonomic manageable door lock: after opening of the outer drum door the inner drum door is always located in the correct position ⇒ savings of power and time. Opened inner drum door marks a bridge between washer and linen trolley ⇒ prevents linen to fall onto the floor and to be re-contaminated.

Control

Electronic microprocessor Compass Pro® with the following features:

- ▶ One dial only for program selection, start and rapid advance.
- ▶ Panel with up to 6 quick selection buttons.

- ▶ Large display 40 x 70 mm (128 x 64 pixels) to display text and symbols.
- ▶ Wash programs available in 18 different languages. Language can be changed by the operator before any program is started.

Basic wash programs available in three variants: focused on economy, time or performance ⇒ best possible solution for any laundry case, maximum flexibility.

Wash program focused on economy with lowest running cost. Different wash program libraries available. Up to 55 wash programs (40 factory plus 15 customized) can be stored. With the PC software tool Laundry Program Manager "LPM" customized wash programs can be created ⇒ maximum flexibility. USB interface in front panel for quick and cheap access to update the control. Start delay up to 99 hours in real time. Prepared for connection with interface to CMIS (software for data logging and process validation).

Out of balance detection: "Power Balance"

Integrated electronic unbalance detection "Power Balance" for real-time monitoring of unbalance and adjustment of g-force throughout the entire extraction sequence, without adding additional water.

- ⇒ at any time the maximum extraction force will be applied
- ⇒ at any time the linen comes out after maximum dewatering
- ⇒ saves consumption cost during the drying cycle
- ⇒ "Power Balance" enables more silent operation and increased lifetime of the machine

Detergent supply

Prepared for use with liquid detergents. One central connection Ø25 mm for liquid detergent supply on top of the machine. Up to 13 liquid detergent pumps can be controlled.

Safety features

Mutual lock of loading and unloading door, can't be opened simultaneously.

Safety interlock on the loading door supervises the water level and the motor drive so that the door cannot open until the water level is below the inner drum and the drum rotation has stopped.

The supervision continues to work for at least five minutes in the event of a power failure and thus safely opens the door under the above circumstances. The interlock also contains switches to confirm that the door is closed and that the door is locked.

By coupling the door to the water level the door can be opened as soon as possible after drain ⇒ no idle time. Aseptic barrier kit: three-side aluminium profiles with rubber sealing ⇒ improve hygiene and optic.

Door and door lock

External doors with vertical hinges and 175° opening, easy to handle and reversible.

Ergonomic use by click-and-pull door lock, intuitive handling.

Drive system

Drive by only one V-belt ⇒ maximum power transmission, low-noise, durable and easy to maintain.

Mechanical belt tensioning device ⇒ easy to service.

Frequency controlled motor drive, without gearboxes, clutches or gear reducers.

Frequency control allows customized wash programs by variable rotation speed during all program steps ⇒ flexibility.

Water and drain

Two water inlets for cold and hot water.

Water pressure operated drain valve without any electrical parts ⇒ durable, easy to maintain.

Drain valve installed directly below the outer drum, there is no unused bath outside the drum ⇒ savings of water, detergents and energy.

Serviceability

Easy handling: washer can be moved by a fork lift.

Quick access for maintenance by easily removable panels.

All supply connections on top of the machine for easy service.

Software updates via USB interface without removing of panels.

Options

- ▶ Double display Compass Pro® : process data are also available on the clean room side ⇒ enables optimum workflow, saves time.
- ▶ End of cycle alarm maximizes productivity by reducing idle times.
- ▶ Integrated Saving System "IS": weight cells measure the drum load. Water and energy consumptions will be adapted ⇒ considerable savings when drum is only partly loaded. In conjunction with an intelligent dosing system the detergent supply will also be adjusted.
- ▶ Stainless steel casing to better stand the aggressive environment.
- ▶ Third water inlet for soft or re-use water.
- ▶ Second drain valve for water re-use.

Accessories

- ▶ Powder box with 4 compartments for manual dosing of powder or liquid detergents ⇒ flexibility in choice of detergents. Two compartments for liquid detergents, with syphon breaker: each liquid detergent will be supplied separately and completely flushed ⇒ prevents powder box from corrosion, enables correct dosing of liquid detergents.
- ▶ Interface for CMIS (software for data logging and process validation).
- ▶ ED Efficient Dosing System - in connection with IS: the detergent supply will be adjusted to the determined load ⇒ efficient and environmental friendly.

Product Specification - Barrier Washers

Electrolux Barrier Washer Extractor WSB4500H Evolution

Main specifications

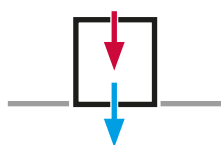
Rated capacity	50 kg	Filling factor	1:10
Drum volume	500 litres		
Extraction	910 rpm	with g-force	350
Overall dimensions	width	depth	height
	1565 mm	980 mm	1610 mm
Inner drum door dimensions	450 mm		400 mm
	18 dm ²		
Net weight	920 kg		
Protection class	IP24D		



Variant electric WSB4500H (Also available in steam operated version)

Heating electric	36.0 kW			
Electric connection	voltage (V/Hz)	power	fuse	
	400-50-3N	42 kW	80 A	
Water connection	cold water	DN 20	water pressure (kPa)	50-300
	hot water	DN 20	capacity at 300 kPa	70 l/min
Drain connection	Ø	75/110 mm	drain capacity	240 l/min

The washer is a side loaded barrier model, “soft-mount” type with suspended construction allowing a 350 g extraction ⇒ to save energy during the drying process. No special foundation required. Pass-trough construction offers the best hygiene and ergonomics in barrier installations.



Robust frame construction made of hot dip galvanized steel; casing and panels made of galvanized and coated steel plate ⇒ protection from scratch, rust and corrosion. External doors with horizontal hinges, door opening upwards. Bottom edge of the door opening 870 mm ⇒ optimum working height, adjusted to trolley height for ergonomic work.

Drum mounted on both sides, with V-belt drive in finely tuned spring-shock absorber-group. In casing integrated powder box with 5 compartments. Compatible with up to 3 signals for liquid detergent pumps. Frequency controlled motor; microprocessor Clarus Control® for maximum flexibility.

Module description

Drum and bearing

Both the inner and outer wash cylinders are constructed entirely using stainless steel type 304 ⇒ corrosion resistant. The inner wash cylinder is fitted with five perforated spray lifters for improved agitation and quicker soaking of the wash load.

Perforation holes are countersunk with diameter of 5 mm ⇒ improved rinse and dirt removal.

Shaft made of steel; two roller bearings contained in a single housing, sealed by at least 3 seals.

Large inner drum door dimensions for easy loading and unloading.

Opened inner drum door marks a bridge between washer and linen trolley ⇒ prevents linen to fall onto the floor and to be re-contaminated.

Control

Fully programmable microprocessor Clarus Control® with the following features:

- ▶ Easy to use with linguistically not fixed control panel with soft keys, numeric keypad and return key. Large display for clear text.
- ▶ Minimum 9 factory-set wash formulas and up to 192 for

free programming.

- ▶ Wash programs can be numbered from 1-990.
- ▶ Card reader for smart memory cards with up to 15 wash programs.
- ▶ Smart memory cards available with locked wash programs ⇒ guarantee safety for unchanged wash programs.

Control panel can be locked and smart memory cards be allowed as the only possibility to run a wash program ⇒ guarantee safety for choice of the correct wash program.

Wash programs available in 14 different languages. It is possible to change language with new software.

Easy programming directly on the control panel: all main parameters can be set continuously ⇒ flexibility.

With the PC software tool Laundry Program Manager "LPM" customized wash programs can be created ⇒ maximum flexibility. Quick transfer to control via smart memory card and card reader placed in front panel of the washer.

Start delay up to 99 hours.

Prepared for connection with interface to CMIS (software for data logging and process validation).

Prepared for connection with interface to DMIS (software for intelligent detergent dosing system).

Detergent supply

Integrated powder box with 5 compartments for manual dosing of powder and liquid detergents ⇒ flexibility in choice of detergents. Two compartments for liquid detergents, with syphon breaker: each liquid detergent will be supplied separately and completely flushed ⇒ prevents powder box corrosion, enables correct dosing of liquid detergents.

One central connection Ø20 mm for liquid detergent supply on top of the machine. Up to 3 liquid detergent pumps can be controlled.

Safety features

Mutual lock of loading and unloading door, can't be opened simultaneously.

Safety interlock on the loading door supervises the water level and the motor drive so that the door cannot open until the water level is below the inner drum and the drum rotation has stopped.

The supervision continues to work for at least five minutes in the event of a power failure and thus safely opens the door under the above circumstances. The interlock also contains switches to confirm that the door is closed and that the door is locked.

By coupling the door to the water level the door can be opened as soon as possible after drain ⇒ no idle time.

Aseptic barrier kit: three-side aluminium profiles with rubber sealing ⇒ improve hygiene and optic.

Door and door lock

Horizontal hinged doors, opening upwards.

Drive system

Drive by only one V-belt ⇒ maximum power transmission, low-noise, durable and easy to maintain.

Mechanical belt tensioning device ⇒ easy to service.

Frequency controlled motor drive, without gearboxes, clutches or gear reducers.

Frequency control allows customized wash programs by variable rotation speed during all program steps ⇒ flexibility.

Water and drain

Two water inlets for cold and hot water.

Water pressure operated drain valve without any electrical parts ⇒ durable, easy to maintain.

Drain valve installed directly below the outer drum, there is no unused bath outside the drum ⇒ savings of water, detergents and energy.

Serviceability

Easy handling: washer can be moved by a fork lift.

Quick access for maintenance by easily removable panels.

All supply connections on top of the machine for easy service.

Options

- ▶ Second I/O-board enables compatibility with up to 13 liquid detergent pumps.
- ▶ Integrated Weighing System IWS: weight cells measure the drum load to achieve the correct load and thus more efficiency by savings of time, water and energy.
- ▶ Stainless steel casing to better stand the aggressive environment.
- ▶ Third water inlet for soft or re-use water.
- ▶ Second drain valve for water re-use.

Accessories

- ▶ Interface for CMIS (software for data logging and process validation)
- ▶ Interface for DMIS - in connection with IWS (software for intelligent detergent dosing system)

Product Specification - Barrier Washers

Electrolux Barrier Washer Extractor WPB41100H Pullman

Main specifications

Rated capacity	110 kg	Filling factor	1:10
Drum volume	1100 litres		
Extraction	720 rpm	with g-force	300
Overall dimensions	width	depth	height
	1956 mm	1363 mm	2040 mm
Inner drum door dimensions	900 mm		490 mm
	Inner drum door area 44 dm ²		
Net weight	2900 kg		
Protection class	IP24D		

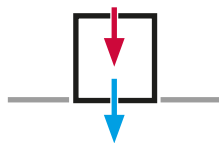


Variant electric WPB41100H (Also available in steam operated version)

Heating electric	72.0 kW			
Electric connection	voltage (V/Hz)	power	fuse	
	400-50-3N	91 kW	160 A	
Water connection	cold water	DN 32	water pressure (kPa)	50-600
	hot water	DN 32	capacity at 300 kPa	200 l/min
Drain connection	Ø	75/110 mm	drain capacity	380 l/min
Compressed air connection	DN 6/8		air pressure (kPa)	550-700
			consumption (Nm ³ /h)	0.83

General description

The washer is a side loaded barrier model, “soft-mount” type with suspended construction allowing a 300 g extraction ⇒ to save energy during the drying process. Pass-through construction offers the best hygiene and ergonomics in barrier installations.



Robust frame construction made of hot dip galvanized steel; casing and panels made of galvanized and coated steel plate ⇒ protection from scratch, rust and corrosion. External doors with horizontal hinges, door opening upwards. Largest doors on the market. Bottom edge of the door opening 900 mm ⇒ optimum working height, adjusted to trolley height for ergonomic work.

Two compartments inner drum separated by an ergonomic Pullman partition. Automatic locking and unlocking of outer doors; automatic inner drum door positioning; automatic inner drum door opening; inner drum door marking a bridge between washer and linen trolley ⇒ easy and hygienic unloading.

Drum mounted on both sides, with poly-V-belt drive, with air cushion suspension for minimum vibrations and smooth operation.

In casing integrated powder box with 5 compartments. Compatible for up to 13 liquid detergent pump signals. Frequency controlled motor. Fully programmable microprocessor “Clarus Control TS” for maximum flexibility.

Fastest and most productive washer on the market by the following features:

- ▶ Pullman partition
- ▶ automatic drum positioning
- ▶ automatic inner drum door opening
- ▶ door marking bridge
- ▶ end of cycle alarm ⇒ allows at least one more cycle in an 8-hours-shift.

Module description

Drum and bearing

Both the inner and outer wash cylinders are constructed entirely using stainless steel type 304 ⇒ corrosion resistant. The inner wash cylinder is fitted with four perforated spray lifters for improved agitation and quicker soaking of the wash load.

Perforation holes are countersunk with diameter of 5 mm ⇒ improved rinse and dirt removal.

Drum divided into two compartments with horizontal Pullman partition: slanting partition facilitates unloading of the washer. Inner drum door marking a bridge between washer

and linen trolley ⇒ prevents linen to fall onto the floor and to be re-contaminated.

Automatic inner drum positioning in loading or unloading position with safe and ergonomic manageable door lock: inner drum rests in correct position when outer door is opened ⇒ power and time savings.

Automatic opening of inner drum door by pneumatic jack ⇒ power and time savings. Drum mounted on both sides, with V-belt drive, with air cushion suspension for minimum vibrations and smooth operation.

Control

Fully programmable microprocessor Clarus Control TS® with the following features:

- ▶ Easy and intuitive use via four color industrial touch screen.
- ▶ Minimum 9 factory-set wash formulas and up to 192 for free programming.
- ▶ Wash programs can be numbered from 1-990.
- ▶ Card reader for smart memory cards with up to 15 wash programs.
- ▶ Smart memory cards available with locked wash programs ⇒ guarantee safety for unchanged wash programs.
- ▶ Control panel can be locked and smart memory cards be allowed as the only possibility to run a wash program ⇒ guarantee safety for choice of the correct wash program.

Wash programs available in 14 different languages. It is possible to change language with new software.

Easy programming directly on the control panel: all main parameters can be set continuously ⇒ flexibility.

With the PC software tool Laundry Program Manager "LPM" customized wash programs can be created ⇒ maximum flexibility. Quick transfer to control via smart memory card and card reader placed in front panel of the washer.

Start delay in real time.

Error codes in clear text.

End of cycle sound and visual alarm ⇒ reduces idle times when machine is ready to be loaded or unloaded.

Prepared for connection with interface to CMIS (software for data logging and process validation).

Prepared for connection with interface to DMIS (software for intelligent detergent dosing system).

Detergent supply

In casing integrated powder box with 5 compartments for manual dosing of powder and liquid detergents ⇒ flexibility in choice of detergents. Three compartments for liquid detergents, with syphon breaker: each liquid detergent will be supplied separately and completely flushed ⇒ prevents powder box from corrosion, enables correct dosing of liquid detergents.

One central connection Ø25 mm for liquid detergent supply on top of the machine. Up to 13 liquid detergent pumps can be controlled.

Safety features

Mutual lock of loading and unloading door, can't be opened simultaneously.

Safety interlock on the loading door supervises the water level and the motor drive so that the door cannot open until the water level is below the inner drum and the drum

rotation has stopped.

The supervision continues to work for at least five minutes in the event of a power failure and thus safely opens the door under the above circumstances. The interlock also contains switches to confirm that the door is closed and that the door is locked.

By coupling the door to the water level the door can be opened as soon as possible after drain ⇒ no idle time.

Aseptic barrier kit: three-side aluminium profiles with rubber sealing ⇒ improve hygiene and optic.

Door and door lock

Horizontal hinged doors, opening upwards.

Automatic locking and unlocking of outer drum doors.

Drive system

Drive with high-quality poly-V-belt on the drive pulley ⇒ maximum power transfer, precise speed, low noise, low abrasive, durable, easy to maintain.

Mechanical belt tensioning device ⇒ easy to service.

Frequency controlled motor drive, without gearboxes, clutches or gear reducers.

Frequency control allows customized wash programs by variable rotation speed during all program steps ⇒ flexibility. Electric brake system without moving parts; brake time at full power until drum stops maximum 30 seconds ⇒ low-wear and low-maintenance.

Water and drain

Two water inlets for cold and hot water.

Pneumatic controlled drain valve installed directly below the outer drum, there is no unused bath outside the drum ⇒ savings of water, detergents and energy.

Serviceability

Quick access for maintenance by easily removable panels on all four sides.

All supply connections on top of the machine for easy service.

Options

- ▶ Integrated Weighing System IWS: weight cells measure the drum load to achieve the correct load and thus more efficiency by savings of time, water and energy.
- ▶ Double display Clarus Control TS®: process data are also available on the clean room side ⇒ enables optimum workflow, saves time.
- ▶ Stainless steel casing to better stand the aggressive environment.
- ▶ Third water inlet for soft or re-use water.
- ▶ Second drain valve for water re-use.
- ▶ Integrated ph-meter for a better performing traceability.
- ▶ Titration valve for bath sampling.

Accessories

- ▶ Interface for CMIS (software for data logging and process validation)
- ▶ Interface for DMIS - in connection with IWS (software for intelligent detergent dosing system)

Product Specification - Tumble Dryers

Electrolux Tumble Dryer T5350

Main specifications

Rated capacity	19.4 kg	Filling factor	1:18
Rated capacity	15.5 kg	Filling factor	1:22
Drum volume	349 litres		
Drum diameter	760 mm		
Overall dimensions	width	depth	height
	790 mm	1120 mm	1760 mm
Net weight	169 kg		
Protection class	IPX4		

Variant electric T5350 (Also available in gas or steam operated version)

Heating electric	18.0 kW		
Evaporation capacity	289 g/min		
Electric connection	voltage (V/Hz)	power	fuse
	400-50-3N	19.1 kW	35 A
Exhaust connection	diameter	200 mm	
	maximum exhaust volume	1000 m ³ /h	
	maximum pressure drop	270 Pa	



General description

The dryer has a compact design with axial airflow and a temperature control.

Casing and panels made of galvanized and coated steel plate ⇒ protection from scratch, rust and corrosion. The motor is fan-cooled and fully enclosed to avoid lint and dust build-up. Durable and maintenance-free drive. Large door opening with robust door handle; door hinges reversible for a convenient laundry flow.

Electronic microprocessor Compass Pro® ⇒ allows flexible and efficient drying programs.

Module description

Drum and bearing

Drum made of galvanized steel fitted with three lifters minimum 63 mm wide ⇒ better distribution of the linen, shorter drying time ⇒ energy and time savings.

Perforation holes with diameter minimum 8 mm.

The shaft is constructed of steel and is supported by one sealed self-lubrication bearing and two support rollers in the front (3 point suspension) ⇒ no displacement of the axis, longer bearing life.

Control

Electronic microprocessor Compass Pro® with the following features:

- ▶ One dial only for program selection, start and rapid advance.
- ▶ Panel with up to 6 quick selection buttons.
- ▶ Choices for temperature, time or program.
- ▶ Large display 40 x 70 mm (128 x 64 pixels) to display text and symbols.
- ▶ Drying programs available in 18 different languages. Language can be changed by the operator before any program is started.

Basic drying programs available in three variants: focused on economy, time or performance ⇒ best possible solution for any laundry case, maximum flexibility.

Drying program focused on economy with lowest running cost.

There are two types of programs, automatic programs and time programs. Automatic programs have moisture detection and will stop automatically. Time programs have no moisture detection and will stop when the preset time has ended.

With the PC software tool Laundry Program Manager "LPM" customized drying programs can be created ⇒

maximum flexibility. USB interface in front panel for quick and cheap access to update the control.

Prepared for connection with interface to CMIS (software for data logging and process validation).

Safety features

Overheat protection with temperature sensors turns off the heat if airflow is clogged.

The dryer has a safety function which means the dryer stops in case the door is opened during operation.

Drive system

The transmission has pulley and belt drive. There are no gearboxes, clutches or gear reducers. The transmission has a mechanical device for tightening and loosening the belt.

Exhaust and lint filter

Exhaust connection on the rear of the model.

Pre-adjusted damper for quick connection ⇒ saves installation cost.

Large self-cleaning lint screen and large lint compartment for easy maintenance.

Serviceability

All vital parts have easy access from the front and rear for simple servicing.

Quick access for maintenance by easily removable panels.

Software updates via USB interface without removing of panels.

Options

- ▶ Drum made of stainless steel.
- ▶ Reversing drum action: alternating drum rotation to prevent linen tangling and reduce creasing of large items and to shorten the drying time.
- ▶ Residual moisture control RMC: special designed lifter and sensor system measure the actual moisture content in the textiles. A specific level of moisture can be chosen e.g. prior to ironing or to prevent textiles from shrinking. Parameters can be changed in the service menu.
- ▶ Front panel made of stainless steel.

Accessories

- ▶ Interface for CMIS (software for data logging and process validation)
- ▶ Fresh air intake shortens the drying time and avoids draughts in the laundry.

Product Specification - Tumble Dryers

Electrolux Tumble Dryer T5550

Main specifications

Rated capacity	30.5 kg	Filling factor	1:18
Rated capacity	25.0 kg	Filling factor	1:22
Drum volume	550 litres		
Drum diameter	913 mm		
Overall dimensions	width	depth	height
	960 mm	1315 mm	1855 mm
Net weight	300 kg		
Protection class	IPX4		

Variant electric T5550 (Also available in gas or steam operated version)

Heating electric	32.0 kW		
Evaporation capacity	543 g/min		
Electric connection	voltage (V/Hz)	power	fuse
	400-50-3N	34.7 kW	50 A
Exhaust connection	diameter	200 mm	
	maximum exhaust volume	940 m ³ /h	
	maximum pressure drop	480 Pa	



General description

The dryer has a compact design with axial airflow and a temperature control.

Casing and panels made of galvanized and coated steel plate ⇒ protection from scratch, rust and corrosion. The motor is fan-cooled and fully enclosed to avoid lint and dust build-up. Durable and maintenance-free drive. Large door opening with robust door handle; door hinges reversible for a convenient laundry flow.

Electronic microprocessor Compass Pro® ⇒ allows flexible and efficient drying programs.

Module description

Drum and bearing

Drum made of galvanized steel fitted with three lifters minimum 63 mm wide ⇒ better distribution of the linen, shorter drying time ⇒ energy and time savings.

Perforation holes with diameter minimum 8 mm.

The shaft is constructed of steel and is supported by one sealed self-lubrication bearing and two support rollers in the front (3 point suspension) ⇒ no displacement of the axis, longer bearing life.

Control

Electronic microprocessor Compass Pro® with the following features:

- ▶ One dial only for program selection, start and rapid advance.
- ▶ Panel with up to 6 quick selection buttons.
- ▶ Choices for temperature, time or program.
- ▶ Large display 40 x 70 mm (128 x 64 pixels) to display text and symbols.
- ▶ Drying programs available in 18 different languages. Language can be changed by the operator before any program is started.

Basic drying programs available in three variants: focused on economy, time or performance ⇒ best possible solution for any laundry case, maximum flexibility.

Drying program focused on economy with lowest running cost.

There are two types of programs, automatic programs and time programs.

Automatic programs have moisture detection and will stop automatically. Time programs have no moisture detection and will stop when the preset time has ended.

With the PC software tool Laundry Program Manager “LPM” customized drying programs can be created ⇒ maximum flexibility. USB interface in front panel for quick and cheap access to update the control.

Prepared for connection with interface to CMIS (software for data logging and process validation).

Safety features

Overheat protection with temperature sensors turns off the heat if airflow is clogged.

The dryer has a safety function which means the dryer stops in case the door is opened during operation.

Drive system

The transmission has pulley and belt drive. There are no gearboxes, clutches or gear reducers. The transmission has a mechanical device for tightening and loosening the belt.

Exhaust and lint filter

Exhaust connection on the rear of the model.

Powerful blower with a robust backward curved fan wheel allows long exhaust pipes without additional fan.

Pre-adjusted damper for quick connection ⇒ saves installation cost.

Horizontal lint filter at ergonomic height allowing periodic cleaning in a standing position as oppose kneeling down on the floor ⇒ ergonomic solution.

Serviceability

All vital parts have easy access from the front and rear for simple servicing.

Quick access for maintenance by easily removable panels.

Software updates via USB interface without removing of panels.

Options

- ▶ Drum made of stainless steel.
- ▶ Reversing drum action: alternating drum rotation to prevent linen tangling and reduce creasing of large items and to shorten the drying time.
- ▶ Residual moisture control RMC: special designed lifter and sensor system measure the actual moisture content in the textiles. A specific level of moisture can be chosen e.g. prior to ironing or to prevent textiles from shrinking. Parameters can be changed in the service menu.
- ▶ Front panel made of stainless steel.

Accessories

- ▶ Interface for CMIS (software for data logging and process validation).
- ▶ Fresh air intake shortens the drying time and avoids draughts in the laundry.
- ▶ Exhaust pipe on top of the machine ⇒ to save space at the rear of the tumble dryer.

Product Specification - Tumble Dryers

Electrolux Tumble Dryer T4900

Main specifications

Rated capacity	50.0 kg	Filling factor	1:18
Rated capacity	36.0 kg	Filling factor	1:22
Drum volume	900 litres		
Drum diameter	1240 mm		
Overall dimensions	width	depth	height
	1290 mm	1295 mm	2465 mm
Net weight	440 kg		
Protection class	IPX4		

Variant electric T4900 (Also available in gas or steam operated version)

Heating electric	60.0 kW		
Evaporation capacity	803 g/min		
Electric connection	voltage (V/Hz)	power	fuse
	400-50-3N	63.0 kW	100 A
Exhaust connection	diameter	315 mm	
	maximum exhaust volume	2300 m ³ /h	
	maximum pressure drop	100 Pa	



General description

The dryer has a compact design with radial airflow and a temperature control.

Casing and panels made of galvanized and coated steel plate ⇒ protection from scratch, rust and corrosion. The motor is fan-cooled and fully enclosed to avoid lint and dust build-up. Durable and maintenance-free drive. Large door opening with robust door handle; door hinges reversible for a convenient laundry flow.

Reversing drum action: alternating drum rotation to prevent linen tangling and reduce creasing of large items and to shorten the drying time.

Module description

Drum and bearing

Drum made of galvanized steel fitted with four lifters minimum 63 mm wide ⇒ better distribution of the linen, shorter drying time ⇒ energy and time savings.

Perforation holes with diameter minimum 8 mm.

The shaft is constructed of steel and is supported by one sealed self-lubrication bearing and two support rollers in the front (3 point suspension) ⇒ no displacement of the axis, longer bearing life.

Control

Electronic microprocessor Selecta Control® with the following features:

- ▶ Selection of drying time, program and temperature. Reversing drum on/off.
- ▶ Display showing: remaining drying time, selected program, cool down time or actual temperature.
- ▶ 4 temperature levels: high, middle, low and without heating.
- ▶ There are two types of programs, automatic programs and time programs. Automatic programs have moisture detection and will stop automatically. Time programs have no moisture detection and will stop when the preset time has ended.

2 Auto-stop programs, 4 RMC programs (option) and 3 time programs.

It is possible to adjust parameters such as temperature, program or cool down time. If RMC (Residual Moisture Control) is selected the RMC level can be adjusted.

Signal buzzer at cycle end can be turned on/off.

Prepared for connection with interface to CMIS (software for data logging and process validation).

Safety features

Overheat protection with temperature sensors turns off the heat if airflow is clogged.

The dryer has a safety function which means the dryer stops in case the door is opened during operation.

Drive system

The transmission has pulley and belt drive. There are no gearboxes, clutches or gear reducers. The transmission has a mechanical device for tightening and loosening the belt.

Exhaust and lint filter

Exhaust connection on the rear of the model.

Large self-cleaning lint screen and large lint compartment for easy maintenance.

Serviceability

All vital parts have easy access from the front and rear for simple servicing.

Quick access for maintenance by easily removable panels.

Options

- ▶ Drum made of stainless steel.
- ▶ Front panel made of stainless steel.
- ▶ Frequency controlled motor that can adjust the speed of the drum.
- ▶ Residual moisture control RMC: special designed lifter and sensor system measure the actual moisture content in the textiles. A specific level of moisture can be chosen e.g. prior to ironing or to prevent textiles from shrinking. Parameters can be changed in the service menu.
- ▶ Sliding door: vertical opening of the door, no space required in front of the dryer ⇒ ergonomic solution.
- ▶ Forward tilting: easy unloading, no manual handling. Rotation of drum while tilting the dryer for easy unloading. Only available with sliding door.
- ▶ Indicator lamp for finished drying cycle.

Accessories

- ▶ Interface for CMIS (software for data logging and process validation).
- ▶ Fresh air intake shortens the drying time and avoids draughts in the laundry.

Product Specification - Ironers

Electrolux Bed Ironer IB42314



Main specifications

Cylinder diameter	230 mm		
Working width	1400 mm		
Ironing speed	3.4 m/min		
Overall dimensions	width	depth	height
	1795 mm	510 mm	1025 mm
Net weight	140 kg		
Heating electric	7.2 kW		
Evaporation capacity	6.8 l/h		
Electric connection	voltage (V/Hz)	power	fuse
	400-50-3N	8.0 kW	16 A

General description

The ironer works with a heated bed and an unheated cylinder. It can iron linen with a residual moisture up to 20%. The items are returned towards the operator ⇒ space saving design; ironer can be installed close to a wall. Electromechanical control with easy setting of temperature.

Bed type:



Construction

Robust professional frame construction made of hot dip galvanized steel.
Casing and panels made of galvanized and coated steel plate ⇒ preventing rust.
Bed made of special aluminium.
Cylinder made of steel.
Cylinder padding made of steel wool with polyester cover.
Reception tray made of galvanized and coated steel wire.

Way of ironing

The linen is passed over the feeding table between bed and cylinder. The items are delivered towards the operator to the front into a reception tray. A suction fan removes the evaporated moisture over the cylinder to the environment ⇒ no exhaust duct required. Control via multi function foot pedal ⇒ ergonomic and easy to use.

Control

Control clearly arranged in the right side stand.
Ironing temperature can be chosen with 5 different settings (labelled with the usual symbols).

Multi function foot pedal control with damping device for

1. start-stop function
2. pressing function stopping the rotation of the cylinder with bed closed for marking folds
3. quality feed function keeping hands free to feed linen continuously.

Cylinder return with off lifted bed.

Safety features

Closed construction - no gap between bed and frame.
Movable finger guard over the whole working width.
Safety pedal for manual separation in case of linen jam or power failure by lifting the bed from the cylinder.

Serviceability

Quick access for maintenance by easily removable panels.

Options

- ▶ Variable speed control.
- ▶ Cylinder with Nomex padding and metallic strippers.

Product Specification - Ironers

Electrolux Cylinder Ironer IC43316



Main specifications

Cylinder diameter	330 mm		
Working width	1650 mm		
Ironing speed	0.5-5.5 m/min		
Overall dimensions	width	depth	height
	2030 mm	690 mm	1145 mm
Net weight	300 kg		

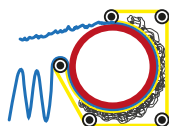
Variant electric (Also available in gas operated version)

Heating electric	18.0 kW		
Evaporation capacity	19.5 l/h		
Electric connection	voltage (V/Hz)	power	fuse
	400-50-3N	18.0 kW	35 A
Exhaust connection	diameter	125 mm	
	maximum exhaust volume	426 m³/h	
	maximum pressure drop	200 Pa	

General description

The ironer has a heated cylinder. The items are guided under a pressure roll and over a belt system around the cylinder ⇒ maximum contact area. It can iron linen with a residual moisture up to 50 %. The items are returned towards the operator ⇒ space saving design; ironer can be installed close to a wall. The electro-mechanical control allows a continuously adjustable setting of speed and temperature.

Cylinder type:



Construction

Robust professional frame construction made of hot dip galvanized steel.
Casings and panels made of galvanized and coated steel plate.
Adjustable height through feet adjustment to compensate uneven floors.
Cylinder made of stainless steel ⇒ prevents rusting and improves lifetime.
Cylinder padding made of steel wool with polyester cotton.
Spring loaded pressure roll with a Nomex padding for a good ironing quality.
Durable ironing belts made of Nomex which can withstand ironing temperatures above 220°C.

Side vapor exhaust allows installation flush with the wall.
Fully ducted exhaust system with encased cylinder and canopy prevents heat loss to the environment.
Firmly mounted collecting tray and foldable feeding tray provide a clean mode of operation and prevent the sheets from touching the floor.

Way of ironing

The linen is inserted between cylinder and a pressure roll and is passed over a belt system around the internally heated cylinder. The Nomex padded pressure roll with tensioning springs provides an easy feeding without marks and prevents creases. The wrap angle of the Nomex feeding belts is about 300° and reach an ironing area of 85% of the cylinder circumference ⇒ enormous evaporation capacity and high quality finishing. By using different ironing speeds for pressure roll and cylinder a sliding of the linen can be achieved and thus a glazing effect can be obtained.

Control

Easy to use control panel clearly arranged in the left side stand.
Continuously adjustable ironing speed from 0.5 to 5.5 m/min.
Continuously adjustable ironing temperature.

Safety features

Closed construction - no gap between cylinder and the frame.
Movable finger guard over the whole working width.
Manual handle to distance the cylinder from belt in case of linen jam or power failure.

Serviceability

Panels can be removed using one key that comes with the machine ⇒ easy and quick access to all components. No special tools required.

Options

- ▶ Cylinder made of steel nickel-plated ⇒ improved heat distribution, preventing overheating and thus required idle times for cooling down ⇒ increased efficiency.
- ▶ DIAMMS (Direct Ironing Advanced Moisture Management System) - the only true management of speed by control of moisture. Electronic control panel with automatic adjustment of the ironing speed according to the residual moisture of the sheet ⇒ easy and safe to operate.
Compatible with the RABC process for the traceability of ironing parameters: flashing light showing to the operator that an item is not fully dried.
- ▶ Folding arm for easy folding of large flat items by only one operator.

Accessories

- ▶ Interface for CMIS = software for process information and process validation - only for ironers equipped with DIAMMS.

Product Specification - Ironers

Electrolux Cylinder Ironer IC44825 electric



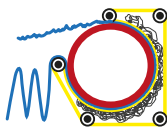
Main specifications

Cylinder diameter	479 mm		
Working width	2540 mm		
Ironing speed	1,5 - 9 m/min		
Overall dimensions	width	depth	height
	2030 mm	690 mm	1145 mm
Net weight	300 kg		
Heating electric	44.0 kW		
Evaporation capacity	48.0 l/h		
Electric connection	voltage (V/Hz)	power	fuse
	400-50-3N	45.0 kW	80 A
Exhaust connection	diameter	160 mm	
	maximum exhaust volume	610 m ³ /h	
	maximum pressure drop	200 Pa	

General description

The ironer has a heated cylinder. The items are guided under a pressure roll and over a belt system around the cylinder ⇒ maximum contact area. It can iron linen with a residual moisture up to 50 %. The electronic control DIAMMS enables automatic speed adjustment with moisture sensors ⇒ optimum energy consumption, easy and safe to use. Depending on the automation (see the following specifications) and required efficiency the ironer can be run with 4 to 1 operators ⇒ for savings in labour cost.

Cylinder type:



Construction

Compact and robust professional frame construction made of hot dip galvanized steel.
Casings and panels are made of galvanized and coated steel plate.

Cylinder made of steel nickel-plated ⇒ improved heat distribution, preventing overheating and thus required idle times for cooling down ⇒ increased efficiency.

Fully ducted exhaust system with encased cylinder and canopy prevents heat loss to the environment ⇒ for improved working condition.

Firmly mounted collecting tray and foldable feeding tray provide a clean mode of operation and prevent the sheets from touching the floor.

Way of ironing

The linen is inserted between cylinder and a pressure roll and is passed over a belt system around the internally heated cylinder. The Nomex padded pressure roll with tensioning springs provides an easy feeding without marks and prevents creases. The wrap angle of the Nomex feeding belts is about 300° and reach an ironing area of 85% of the cylinder circumference ⇒ enormous evaporation capacity and high quality finishing.

Control

DIAMMS (Direct Ironing Advanced Moisture Management System) - the only true management of speed by control of moisture. Electronic control panel with automatic adjustment of the ironing speed according to the residual moisture of the sheet ⇒ easy and safe to operate. Compatible with the RABC process for the traceability of ironing parameters: flashing light showing to the operator that an item is not fully dried. Switching to manual mode allows continuously adjustable parameters ⇒ flexibility.

Safety features

Closed construction - no gap between cylinder and the frame.
Movable finger guard over the whole working width.
Manual handle to distance the cylinder from belt in case of linen jam or power failure.

Drive

Only one frequency controlled motor to drive cylinder, pressure roll and ironing belts.
By using different speeds for pressure roll and cylinder a sliding of the linen can be achieved and thus a glazing effect can be obtained (especially desired for table clothes).

Serviceability

Panels can be removed using one key that comes with the machine ⇒ easy and quick access to all components. No special tools required.

Options

- ▶ Vacuum feeding table simplifies the input of small items and improves the ironing finish (standard on all models with feeder; option for basic, R and LF model).
- ▶ Dubixium™ cylinder: multi-layer cylinder with thermal oil filling for a homogeneous heat distribution ⇒ increased production due to less idle time because of cool down time of the overheated cylinder.

Accessories

- ▶ Interface for CMIS (Certus Management Information System) software for process information and process validation - only for ironers equipped with DIAMMS.

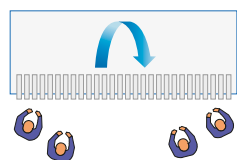
Specification

variant 1 = basic model IC44825

Overall dimensions	width	depth	height	net weight
	3205 mm	1070 mm	1270 mm	685 kg

Specification basic model

The items are returned toward the operator ⇒ space saving design; ironer can be installed close to a wall.



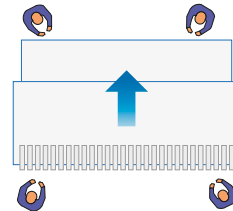
For maximum productivity with large items it is required to run the ironer with 4 operators.

variant 2 = R model IC44825R

Overall dimensions	width	depth	height	net weight
	3205 mm	1740 mm	1270 mm	860 kg

Specification R model

The items are returned on the rear side of the model ⇒ continuous linen flow for an optimum laundry processing. There is a rear table included, with width = 800 mm and height = 800 mm



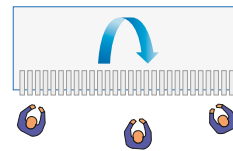
For maximum productivity with large items it is required to run the ironer with 4 operators.

variant 3 = LF model IC44825LF

Overall dimensions	width	depth	height	net weight
	3205 mm	1070 mm	1270 mm	815 kg

Specification LF model

Integrated length folding device for ironing in automatic or in manual mode ⇒ saving of one operator. Automatic: photo cells measure the length of the item and control the required foldings between width of 200 and 480 mm ⇒ no presorting required, saving working time. Manual: for predefined folding dimensions. The items are returned toward the operator ⇒ space saving design; ironer can be installed close to a wall.



For maximum productivity with large items it is required to run the ironer with 3 operators.

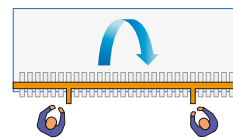
variant 4 = F-LF model IC44825F-LF

Overall dimensions	width	depth	height	net weight
	3205 mm	1280 mm	1270 mm	815 kg

Specification F-LF model

Automatic feeding device with electromechanical clamps (no compressed air required!). Smooth closing and holding of the item, tension adjustment for smooth feeding of the item onto the vacuum table enables input of large items by only one operator ⇒ saving of one operator. Integrated length folding device for ironing in automatic or in manual mode ⇒ saving of one operator. Automatic: photo cells measure the length of the item and control the required foldings between width of 200 and 480 mm ⇒ no presorting required, saving working time. Manual: for predefined folding dimensions.

The items are returned toward the operator ⇒ space saving design; ironer can be installed close to a wall.



For maximum productivity with large items it is required to run the ironer with 2 operators.

Product Specification - Ironers

Electrolux Chest Ironer C-Flex 1230-1 steam heated



Main specifications

Cylinder diameter	1200 mm		
Working width	3000 mm		
Number of cylinders	1		
Overall dimensions	width	depth	height
	4200 mm	1985 mm	1760 mm
Net weight	3860 kg		
Heating steam	360 kg/h	at 12 kPa	
Evaporation capacity	300 l/h	maximum at 14 kPa	
Ø linen output	500 kg/h	at 12 kPa	
Ironing speed	8-24 m/min		
Electric connection	voltage (V/Hz)	power	fuse
	400-50-3N	8.0 kW	25 A
Steam connection	DN 40		
Steam pressure	1200 kPa		
Condensate connection	DN 32		
Exhaust connection	diameter 200 mm		
	maximum exhaust volume	2000 m³/h	
	maximum pressure drop	2450 Pa	
Compressed air connection	DN 12		
Air pressure	400-700 kPa		
Consumption	0.4 Nm³/h		

General description

The ironer has a unheated fixed roll and a movable heated chest. The patented "Floating Chest System" by Electrolux provides a consistent contact area of 180° between chest and roll at consistent pressure. It can process linen with a residual moisture content of up to 60% - only one work step both for drying and ironing. Linen input either manual or automatic by a (separate) feeder; linen output to the rear as standard and can be equipped with an optional, separate folder.

Bed type:



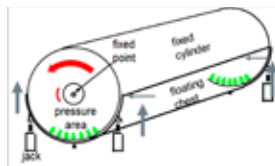
Construction

Robust professional frame construction made of hot dip galvanized steel.

Casings and panels made of galvanized and coated steel plate.

Patented "Floating Chest System": unheated fixed roll and movable heated chest.

Patented cylinder made of standard steel frame, 4 mm thick, assembled by means of welding. Steel envelopes, assembled around plates (7 to 9 plates depending on the cylinder length) supported by a central shaft. Each envelope is full of holes for vapor suction. The rotating cylinder is supported by fixed bearings. Chest and cylinder have been designed concomitantly in order to behave with homogeneity.



Welded chest construction made of 4 mm steel plate, with 3 steam chambers and 2 bending areas.

The chest is adjusted to the roll by pneumatic jacks which are located under the 2 bending areas. Thus can be reached a maximum contact area between chest and roll.

- ⇒ optimum energy efficiency by maximum contact area
- ⇒ no warpage due to consistent pressure, thus preventing jam while transition to the next roll.
- ⇒ excellent finish quality

Roll with galvanized Springpress padding and heat resistant polyester cover, rolled or sewn.

Powerful exhaust fan with wide opening for vacuum drainage using the whole diameter of the cylinder, ensures a quicker drying of the padding and improves the efficiency. By peripheral placement of the fan no overheating of the bearing is possible.

Linen input by heat resistant Nomex® ironing belts.

Closed construction prevents unnecessary heat loss to the environment.

For multi-roll models: heated bridges between two rolls prevent cool-down of the item and thus caused bad ironing quality.

Way of ironing

The linen is guided into the chest by Nomex® ironing belts and is passed between the chest and cylinder with a consistent pressure.

The contact area is 180°.

Guiding tapes provide a proper separation of the item from the roll.

Linen input either manual by a vacuum feeding table (see options) or automatic by a (separate) feeding device.

Linen output to the rear in combination with a (separate) folding device.

Control

Control panel located in the right side stand.

Ironing speed continuously adjustable.

Display of ironing speed and steam temperature in real time. Indicator lights for drive and suction function.

Safety features

Heat isolation on all steam and condensate pipes.

Walkable top.

Movable finger guard over the whole working width.

Drive

Direct drive by trapezoidal belts due to fixed mounted cylinder.

Simple design, straight arrangement ⇒ robust, reliable and easy to maintain.

Asynchronous drive by frequency controlled motor, compatible with all feeder and folder models.

For multi-roller models: parallel train gearbox for the extra rollers, directly mounted on the shaft, low noise.

Serviceability

Walkable top.

Easily removable panels for quick and easy access to all vital components.

Options

- ▶ Vacuum feeding table with special depth of 930 mm simplifies the manual feeding.
- ▶ Springpress padding made of stainless steel.
- ▶ Cylinder cover made of heat resistant Nomex®, sewed or rolled.
- ▶ Extra isolation of the casing for a lower energy consumption and an improved working environment.
- ▶ Extra isolation of the top for a lower energy consumption and an improved working environment.
- ▶ Ladder and handrail.
- ▶ One common exhaust pipe for multi-roller models.
- ▶ Guiding tapes mounted in front of the machine.
- ▶ Guiding tapes mounted in front of the machine in higher position ⇒ enables service and repair of the guiding tapes in an ergonomic way.
- ▶ Broken guiding tapes detection.
- ▶ Remote control
- ▶ Preset of 8 fixed ironing speeds.
- ▶ Amperemeter – indicates the degree of soiling of the chest.
- ▶ Side protection.

Electrolux Line 5000

Thinking about your needs in every corner of the world

With the new Line 5000, Electrolux Professional is focussing on the particular needs and challenges faced by customers everywhere: in regions with extreme climatic conditions, in locations struggling with unstable power supply, and even in areas affected by rodent populations. Whatever the challenge you face, the Line 5000 will overcome it by providing excellent solutions and services.

Our products have been optimised for use in areas with:

- ▶ Extreme climates, high temperatures or humidity
- ▶ Unstable power supply
- ▶ Poor steam quality
- ▶ Operators with different levels of skills

Not every laundry is hampered by extreme conditions, but it's good to know that these solutions are robust and durable enough to keep working in all kinds of environments.





Electrolux

Electrolux Professional **Healthcare Laundry**

Hygiene Laundry Solutions

In-House Laundry Solutions
Consumer-Operated Laundry Solutions
Commercial Laundry Solutions

Excellence with the environment in mind

Electrolux Professional solutions perfectly match the customers' needs, including the areas of reliability, cost efficiency and sustainability. The products are the best in terms of quality – durability with low running costs. Some installations have been running for more than 40 years!

- ▶ All Electrolux factories are ISO 14001-certified
- ▶ All Electrolux Professional products are designed for low water, energy and detergent consumption, and for low emissions into the environment
- ▶ All Electrolux Professional products are ROHS-compliant and over 95 % recyclable
- ▶ All units are quality tested, piece by piece, and all of the functions are individually checked by expert technicians
- ▶ In the last five years, more than 70 % of Electrolux Professional solutions have been updated with features that are always designed with the needs of customers and environmental considerations in mind



**Discover the Electrolux Excellence
and share more of our thinking at
www.electrolux.com/professional**

