

Professional
dishwashers

Blue line



Blue line: dynamic wash



High performance dishwashers

COMENDA uses colour coding for different categories of machines, making it easy for customers to identify the best solution to meet their needs.

COMENDA blue line is associated with the letter M for Mechanical: high-end products that stand out for their easy-to-use electromechanical control panel with dynamic consoles.

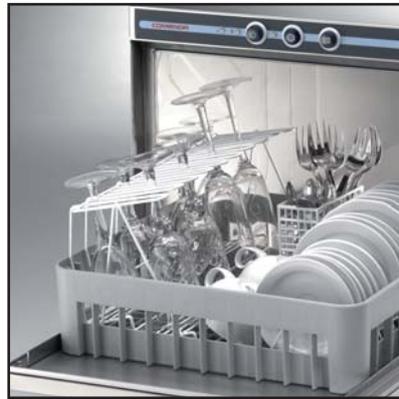
Other than this aesthetic differentiation, COMENDA solutions have not changed in their structure and functioning, offering outstanding environmentally friendly performance and significant saving in energy and operating costs with robust components that are easy to maintain and replace.

All Blue line units are built in our factory operating with ISO 9001:2008 quality certification.

Its "ECO friendly" commitment has earned COMENDA the UNI EN ISO 14001:2004 environmental certification from the prestigious German organisation TÜV.



Glasswashers



The glasswashers in the Blue Line feature a 18-10 stainless steel body with a fine matt finish and an electromechanical control panel on the top of the unit. Double wall insulated door to minimise noise and heat dispersion, with built-in handle and safety microswitch to shut down the machine if the door is opened.



Special guides on the rack designed to receive either a 40cm square rack or a 38cm round rack.



Upper and lower polypropylene wash and rinse arms which may be removed without special tools. Each arm has easy-to-remove nozzles and caps for inspection and cleaning if necessary.

Higher clearance for tall glasses and even breakfast trays. Drain point, micro-filter protecting the pump and rack filter are grouped together at a single point and are easily accessible for everyday maintenance operations.

To ensure safe use of the appliance, an anti-return valve on the hydraulic circuit prevents water from flowing back into the distribution network.

All machine components undergo severe quality and durability testing, thus granting a high quality glass washer.

Models LB215MA and LB275MA feature a built-in water softener.

Highlights

- ✦ Electromechanical controls on the top
- ✦ AISI 304 stainless steel body with fine matt finish
- ✦ Double skin door
- ✦ Adjustable feet
- ✦ Door microswitch
- ✦ Automatic filling
- ✦ Constant control of water level
- ✦ Drawn tank base housing filter
- ✦ Upper and lower rotating wash and rinse arms
- ✦ Automatic temperature control
- ✦ Heaters interlocked
- ✦ Anti-vacuum valve
- ✦ Thermostop
- ✦ Anti noise filter
- ✦ Built-in rinse aid dispenser
- ✦ Prepared for connection with detergent dispenser



Front loaders



LF322M

LF700M



Machine's compact dimensions allow the unit to be fitted under a traditional counter, the front surface is perfectly flat thanks to the door built-in handle. The electro-mechanical controls are placed on the top, to protect against water splashes. LF322M and LF700M - being multipower units - adapt to the different power connections and water temperatures available worldwide.

The two preset programmes are suited to any washing requirements, minimising the consumption of water, energy and detergent.

The powerful jets of the upper and lower wash arms cut across each other to get rid of the stubbornest dirt for perfect hygiene.

The washing compartment with its moulded base conveys dirt into the flat filter, which also incorporates the overflow pipe and the micro-filter protecting the pump.

A complete range of racks is available for dishware of all kinds: pla-

tes, glasses, cutlery, trays.

For more ergonomic installation, model LF700M feature a base stand and high feet.

Letter A identifies models with a built-in water softener.

To get rid of the problems caused by variations in water pressure, models without a built-in water softener may be fitted with the RCD system. Thanks to an atmospheric booster and a rinse pressure pump the machine results to be independent of variations in the water pressure.

Highlights

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- ✦ AISI 304 stainless steel body with fine matt finish
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BLUE
line

Hood type dishwashers LC411M



LC411M



The new LC411M raises the technological performance of hood type dishwashers to new heights.

Electromechanical controls and the Multipower power supply permits problem-free connection compatibly with the power and water temperature available to the customer.

The duration of the two preset wash programmes is perfectly tailored to meet the needs of users who want to minimise consumption of water, energy and chemicals.

To make things easier for the operator, the wash cycle starts automatically when the hood is closed.

The patented new WRIS wash and rinse system sprays a double jet of water over the dishes at every step in the process, ensuring excellent results even with short wash times.

The two ends may be inspected for easy cleaning of the interior.

The deep drawn tank features rounded corners, a dirt collection filter and a polypropylene filter over the entire tank.

Thanks to its 440 mm clearance even large dishes and trays can be washed.

Rinse water is heated to a temperature of 85°C to ensure hygiene and quick drying. The LC411M is suitable both for corner and straight configuration.

The CRC (heat recovery unit and steam condenser) eliminates the need for exhaust hoods. The steam produced inside the machine during the wash cycle is both condensed and cooled down, releasing heat to the incoming water, so that the machine can be connected to cold water with no need for additional kW load.



Highlights

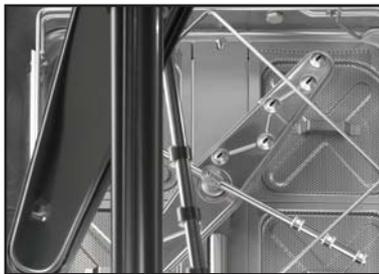
- ✘ AISI 304 stainless steel body with fine matt finish
- ✘ Multipower
- ✘ Steam channels on the back
- ✘ Adjustable feet
- ✘ Removable rack holder
- ✘ External wash column
- ✘ Useful height 440mm
- ✘ Deep-drawn tank with rounded corners
- ✘ Self draining wash pump
- ✘ Stainless steel upper and lower rotating wash and rinse arms
- ✘ Automatic temperature control
- ✘ Heaters interlocked
- ✘ Anti-vacuum valve
- ✘ Thermostop
- ✘ Anti noise filter
- ✘ Built-in rinse aid dispenser
- ✘ Prepared for connection with detergent dispenser



Hood type dishwashers LC700M LC900M LC1200M



LCM



The Blue Line also includes the LC700M, LC900M and LC1200M hood type dishwashers.

These models offer 4 programmes for mid-sized restaurants and other public dining facilities: the first programme is for glasses, the second for plates and cutlery, the third for kitchen utensils, and the fourth, intensive cycle is for the stubbornest dirt.

The electromechanical controls have a selector for choosing the mode of operation: automatic, in which the cycle starts automatically when the hood is closed, or manual, in which the cycle does not start until the start button is pressed.

All kinds of dishware and utensils fit in these units thanks to their 440mm clearance. Upper and lower stainless steel wash and rinse arms with anti

clogging nozzles are standard features.

Easy check of machine operation through light bulbs and maximum hygiene through the thermostop with rinsing starting when 85°C are reached.

The deep drawn tank with rounded corners features four stainless steel filters (optional on mod. LC700M), and an additional filter on the pump suction.

Interlocked booster and tank elements to reduce the installed power. Double wall insulated hood on request.

The CRC option eliminates the need for an exhaust hood. The steam produced inside the machine during the wash cycle is both condensed and cooled down, releasing heat to the incoming water, so that the machine can be connected to cold water with no need for additional kW load.

Highlights

- ✦ AISI 304 stainless steel body with fine matt finish
- ✦ Steam channels on the back
- ✦ Adjustable feet
- ✦ Removable rack holder
- ✦ Pipes outside the washing chamber
- ✦ Manual or automatic cycle start
- ✦ Useful height 440mm
- ✦ Deep-drawn tank with rounded corners
- ✦ Stainless steel upper and lower rotating wash and rinse arms
- ✦ Heaters interlocked
- ✦ Anti-vacuum valve
- ✦ Thermostop
- ✦ Anti noise filter
- ✦ Built-in rinse aid dispenser
- ✦ Prepared for connection with detergent dispenser

Technical info

Model	Glasswashers		Front loaders			Hood type units			
	LB215M	LB275M	LF321M	LF322M	LF700M	LC411M	LC700M	LC900M	LC1200M
	LB215MA	LB275MA	LF321MA	LF322MA	LF700MA				
width (mm)	460	460	600	600	600	632	625	625	625
depth (mm)	520	520	600	600	600	765	760	760	760
height (mm)	635	695	820	820	1260	1460	1460	1460	1460
rack (mm)	400x400	400x400	500x500	500x500	500x500	500x500	500x500	500x500	500x500
washing cycle (sec.)	120	120	120/180	100/150	90/120	90/120	90/120/ 180/480	75/120/ 180/480	55/85/ 120/480
theoretical output* racks/h	30	30	30/20	36/24	40/30	40/30	40/30/20	48/30/20	65/42/30
clearance (mm)	215	275	360**	345**	345**	440	440	440	440
electrical supply	230V 50Hz		230V 50Hz	Multipower	Multipower	Multipower		400V 3N 50Hz	
wash pump (kW)	0,37	0,37	0,45	0,45	0,75	0,75	0,75	1,1	1,5
tank capacity (L)	13	13	21	21	21	22	42	42	42
tank heater (kW)	2	2	2	2	2	2	2	3	3
rinse water consumption (L)	2	2	3,5	3,5	3,5	3,2	3,5	3,5	3,5
booster capacity (L)	6	6	8,2	8,2	8,2	8,2	8,2	8,2	8,2
booster heater (kW)	2,5	2,5	3	5 - 2,5	6 - 3	7	6	8	9
total power (kW)	2,8	2,8	3,45	5,45	6,75	7,75	6,75	9,1	10,5
door switch	yes	yes	yes	yes	yes	yes	yes	yes	yes
built-in water softener	no / yes	no / yes	no / yes	no / yes	no / yes	no	no	no	no
weight (kg)	33 / 37	37 / 41	58 / 62	58 / 62	65 / 69	130	130	135	140
wash arms	PP	PP	PP	sst	sst	sst	sst	sst	sst
drain height (mm)	41	41	55	55	525	560	290	290	290
rinse aid dispenser	yes	yes	yes	yes	yes	yes	yes	yes	yes
detergent dispenser	option	option	option	option	option	option	option	option	option
drain pump	option	option	option	option	option	option	option	option	option
RCD	option	option	option	option	option	option	option	option	option

* In the case of non-stop washing, the cycle duration might be automatically increased to ensure proper rinse temperature.

** clearance for 530x375 trays with special rack.

We reserve the right to modify technical features and pictures.



ECO2: THE FORMULA FOR ENERGY SAVING

Comenda's philosophy is represented by a green petal defining the company commitment to research and application of high-tech formulas which combine high performance with energy savings. ECO2 is the key to the entire production: eco-friendly solutions granting excellent results and a healthier working environment. This "green" philosophy also inspires the Blue line: a vast range of washing systems that can adapt to a great variety of different needs, always guaranteeing top performance with very low operating costs and reduced water and detergent consumption. Saving starts from the installation with interlocked heaters in order to reduce the installed power to a minimum.

Comenda have obtained the UNI EN ISO 14001:2004 environmental certification, tangible proof of the company's awareness of ecological issues.



AFTER SALES SERVICE IN JUST A CLICK

Being a specialist in warewashing, Comenda provides outstanding innovative solutions and a complete and reliable after sales service. To provide its customers with the best possible real time support, Comenda offers - along with its wide network of high qualified technicians nationwide and worldwide - an easy to use online tool at www.comenda.eu for online assistance and ordering spare parts. More than 700 users already registered. Authorised distributors access the website with their own password and consult the entire e-documentation and download instruction manuals as well as wiring, hydraulic and installation diagrams. Exploded views can be accessed in a few clicks and orders can be automatically sent directly to the spare parts office.

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