

GLASSWASHERS, DISHWASHERS  
AND PASS-THROUGH UNITS.

# Hi Line

The Advanced Line.





**SERIOUS ABOUT YOUR CLEAN? WE ARE.**

The **Hi-Line range** continues to advance the technical excellence, energy efficiency and operational savings that drive every Comenda development.

Function is foremost, because your operation requires efficient, highly productive equipment that anyone can run.

**DURABILITY**, to withstand the daily demands of a high pressure hospitality operation.

**RELIABILITY**, to always perform no matter how hard you drive it.

**ADAPTABILITY**, as our equipment should accommodate whatever work space is available.

**Everything under control thanks to the new Wi-Fi connectivity.**

And results, because that ultimately determines the true value of your investment.



## HI LINE

Glasswashers, undercounter dishwasher in single and double rack execution, pass-through units with both 500x500 mm rack and 600x500 mm rack.

The perfect balance between form, function and cost.

**HB**  
Multipower  
Glasswasher,  
400 x 400 / 500 x 500 mm rack,  
220 / 280 / 300 mm clearance



**HF R**  
Multipower frontloader  
dishwasher,  
500 x 500 mm rack,  
400 mm clearance



**HF R DR**  
Multipower Frontloader  
dishwasher  
2x 500 x 500 mm double rack  
execution,  
395 (250+145) mm clearance



**HC R**  
Multivoltage  
pass-through units,  
500x500 mm rack,  
440 mm clearance

**HCXL R**  
Multivoltage  
pass-through units,  
600x500 mm rack,  
530 mm clearance



## BUSINESS AREAS

Ideal for:

**BISTROT**



**SMALL HEALTHCARE FACILITIES  
& NURSING HOMES**



**HO.RE.CA**



**BAKERIES**



**BOUTIQUE HOTEL**



**LOUNGE BAR**



**SCHOOLS & CANTEENS**





## FEATURES

### DURABILITY

- AISI 304 stainless steel execution;
- Double skin insulated counterbalanced door (undercounter models);
- Double skin execution (undercounter models);
- Stainless steel rear panelling (undercounter models);
- Fully enclosed back of the machine (pass-through units).







### FLEXIBILITY

- Multipower solutions (undercounter models);
- Hood activated cycle start and manual cycle start;
- Provision for extra kW heating element for cold water feed;
- Regeneration program for built-in water softener unit (undercounter models with water softener);
- Soft Start: The cycle starts slowly and gradually builds to full speed to prevent the dislodging of light items like glassware and crockery and consequently breakage (undercounter models);
- Fast programming of the control panel upon installation to establish specific times, temperatures and detergent requirements;
- Built-in detergent and rinse-aid dosing pumps.



### HYGIENE

- RCD - Rinse Control Device\*
- Single piece deep drawn tank;
- Triple filtration system, with a stainless steel surface filter, polypropylene basket filter and stainless steel mesh wire micro-filter. Even the smallest particles of dirt are captured and removed by the drain pump. No downtime and no need to drain down the tank during the peak of your operations.
- Self-cleaning cycle at unit switch-off;
- Debossed rack guides (undercounter models);
- Upper sliding rack guides and lower debossed rack guides. (Undercounter units in double rack execution);
- Removable Rack guide (pass-through units);
- Self-draining wash pump (pass-through units);
- Partial water draining before rinsing.

-  Initial tank fill
-  Ready to go
-  Cycle on
-  Alarm



### SAFETY

- Magnetic microswitch to stop the cycle in case of accidental door opening;
- Adjustable Thermostop as a standard: it ensures that the correct operating temperatures are reached;
- Temperature measurement via electronic probes: accuracy and reliability. Allows the operator to read the real and the set point temperatures on the display.

### POWER AT YOUR FINGERTIPS

- Alphanumeric LCD display with temperature indicators;
- 5 programming options for washing cycles (Fast, Glasses, Dishes, Intensive, Eco2)
- Diagnostics through descriptions;
- Cycle progress;
- Cycle and performance counter: allows for plan maintenance. Useful for statistics and usage information;
- Electronic adjustment of the detergent and rinse aid dispensers.
- Colour-coded status indicators.

\* Not available for HB24 and HB34 A.



**-25%**

- water
- energy
- chemicals

## FEATURES

STANDARD for HB24 and HB34 A

### WRIS®2+ WASH AND RINSE INTEGRATED SYSTEM

The WRIS®2+ posts a 25% reduction in rinse water consumption while still providing a thorough, consistent clean. Reducing operating expenses while washing efficiently: **27.302 l** of water saved per unit per year compared to standard systems.

Thanks to the double water blade design, the WRIS®2+ boosts contact time and leaves no blind spots as it produces brilliantly clean glasses, dishes and cutlery.

Removable side caps

Quick release system

Removable bayonet rinse nozzles



STANDARD for HC

### STAINLESS STEEL WASH AND RINSE SYSTEM

Standard for HC10 R, HC14 R and HCXL R hood type models, our stainless steel rotating wash and rinse arms, perform a cross action that eliminates even the most stubborn dirt and guarantees a perfect hygiene.





## FEATURES

### STANDARD

### HB35 RO - GLASSWASHER WITH INTEGRATED REVERSE OSMOSIS UNIT

As you only have one chance to make a first impression, **be sure it's brilliant.**

Count on reverse osmosis to **guarantee sparkling results** and rid your operation of time consuming tasks such as hand polishing glasses.

#### BENEFITS:

- **No more hand polishing** means staff can focus on other priorities.
- With **less manual handling** there is a reduced incidence of breakage.
- Reverse osmosis improves the **cleaning effectiveness of detergent**.
- It also **promotes faster drying** times so your crockery, cutlery and glassware is ready for **quicker turnarounds**.
- By dramatically limiting limescale build up, reverse osmosis **extends the lifespan of your machinery**.



	MEMBRANE	ACTIVE CARBON FILTER	FILTER LIFE (l)	MINIMUM WATER TEMPERATURE (°C)	MAXIMUM WATER TEMPERATURE (°C)	MINIMUM INLET FLOW RATE (l/h)	FLOW RATE AT 25 °C (l/h)	TYPICAL REJECTION
INTEGRATED OSMOSIS UNIT	4	1	12000	5	35	400	140	95%

#### SIMPLE. BRILLIANT. EFFICIENT.

And it's just like that.

Each component is placed to **simplify membrane and filter replacement operations. No need to extract the whole osmosis unit!**

#### SPACE SAVING

Reduced machine height compared to previous models. Perfect for spaces where you need to make the most of every inch.



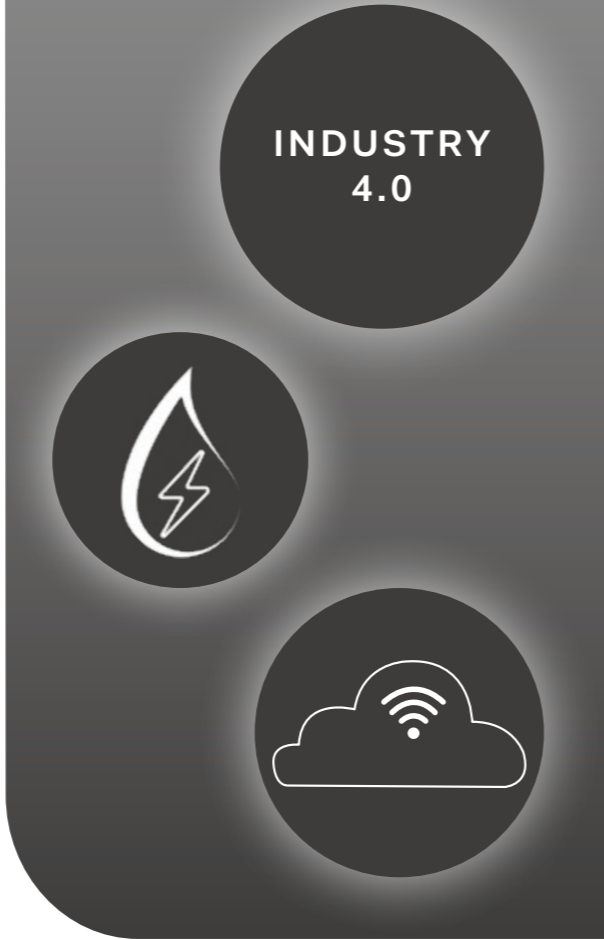


## COMPLETE YOUR UNITS

OPTIONAL

### WI-FI CONNECTION & REMOTE MONITORING

The new **Wi-Fi Pack\*** available across the Comenda Hi Line range, **allows the operator to easily monitor the machine functions** and access a vast amount of information; **prevent possible failures by managing the anomalies in real time** from smartphone, tablet and PC and **keep consumptions under control: the continuous monitoring of water, chemicals and energy consumption leads to a more environmentally conscious use of world's natural resources.**



OPTIONAL

### COMENDA CLOUD WASHING DASHBOARD WEB

Simple and intuitive gives you the power to:

- Check the main operating parameters of the unit;
- Start/stop the washing cycle;
- Download Records and HACCP reports;
- Save unit specific parameters or data settings;
- Access the alarm list and manage the anomalies;
- Check and download technical documentation.





## COMPLETE YOUR UNITS

OPTIONAL

### HEAT RECOVERY SYSTEMS - FRC AND CRC2

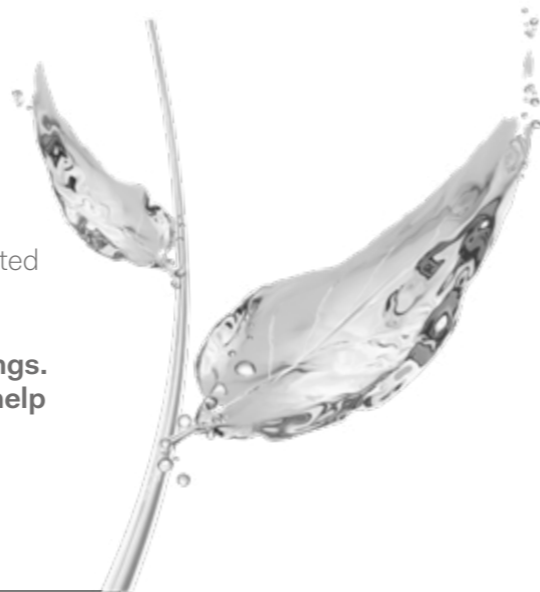
CRC2\* and FRC\*\* enable the machine to be connected to cold water at 15°C booster.

**CRC2 and FRC allow for consistent energy savings. Minimizing the steam released, CRC2 and FRC help create a more comfortable work environment.**

Ventless Execution.

\* FRC: optional for models HB35 R, HB35 RA, HF45 R, HF45 RA, HF45 RA DR, HF45 R DR.

\*\* CRC2: optional for models HC10 R, HC10 RA, HC14 R, HC14 RA, HCXL R.



**-35%**  
energy  
⚡

**-30%**  
energy  
⚡



STANDARD

### MULTIPURPOSE HOODTYPE UNITS WITH 600X500 MM RACK

The wide body passthrough unit features an oversized washing chamber with 530 mm clearance perfectly designed to wash GN 2/1 pans.



OPTIONAL

### DOUBLE RACK EXECUTION

**The more the crockery, the lower the costs!** Comenda HF45 R DRD model optimize the whole washing capacity by **sanitizing two racks per cycle, with the same sparkling results.** Discover also the new inclined insert that improves washing and rinsing cycles by draining water thus avoiding deposits.

The peculiarity to have available **2 racks for every washing cycle**, encloses in compact sizes the industrial and household washing.

**x2**





## COMPLETE YOUR UNITS

OPTIONAL

### MOVE - AUTOMATIC HOOD LIFT SYSTEM

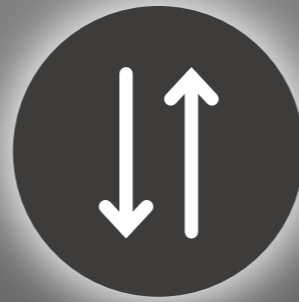
Ergonomics & Automation.

Discover the MOVE execution available for all hood type models.

**Automatic hood lifting at the end of the cycle, hands-free foot trigger to activate the automatic hood closure and extreme comfort for the operator guarantee consistency in washing operations with no downtime and outstanding results.**



**MOVE means SAFETY:**  
Obstacles detection during hood closing for the maximum operator's safety.



OPTIONAL

### AS6 LI / AS8 LI - STAND ALONE DRYERS

Need for reusable items completely dry and sanitize? We have designed a 600 mm and 800 mm stand alone dryers for pass through units for the quickest turnaround with minimal footprint.

**Air blades designed to hit and dry the complete surface of the cups, trays and reusable containers.**

**AS6 LI: 600 mm** - Upper air blades designed to hit and dry the top surface of trays and different items.

**AS8 LI: 800 mm** - Upper and lower air blades designed to hit and dry the complete surface of the cups, trays and reusable containers.

\* Recommended configuration: HC R AS6LI/ AS8LI in combination with an external RO unit and RCD.



**NO DOWNTIME!** Your reusable cups drying while another rack is washed in the unit at the same time.





## COMPLETE YOUR UNITS

OPTIONAL

### WATER TREATMENT

Adding to ThermoCare a Comenda **water softener and reverse osmosis unit\*\*** can prove invaluable to your operation.

Together they **soften and purify water** prior to the washing cycle to eliminate the spotting and streaking that can blemish glasses, dishes and cutlery. They also contribute to streamlining your operations and saving on long term equipment costs.

\*\* Modelli "A" with integrated water softener.  
Model "RO" with RCD and integrated reverse osmosis unit.



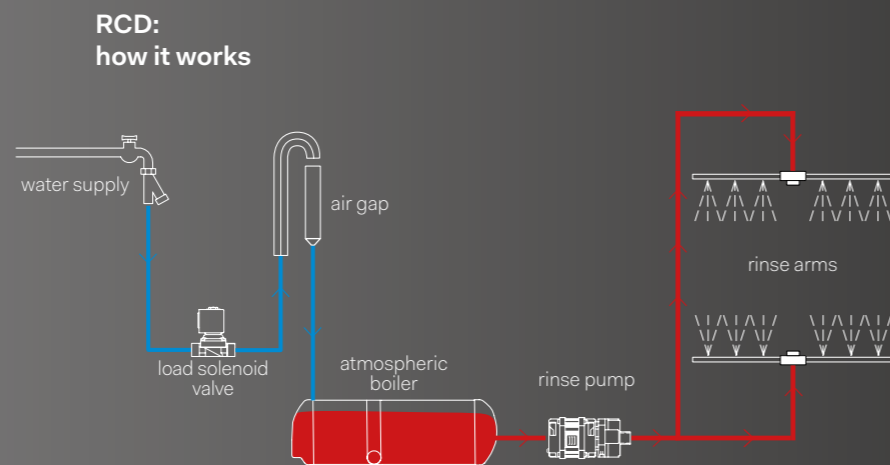
### RCD - RINSE CONTROL DEVICE

STANDARD

The RCD\* System maintains constant water pressure and temperature throughout operations.

The highest levels of hygiene and sanitisation are achieved through high washing and rinsing temperatures along with contact times in line with the DIN 10534 standards.

\* "R" model with RCD



OPTIONAL

### LOADING & UNLOADING TABLES, STAND BASES

Comenda's family of **tables** keeps the movement of items synchronized, functional and hygienic.

Loading and unloading tables are designed to guarantee the **correct separation among dirty and clean areas and to avoid cross contamination.\*** Pre-scraping stations make operator's work easier and are able to meet any needs.

The stand base option for **HF45** undercounter units offers you the possibility of storing baskets or trays and of making use of the best inch!

\* Adjustable table heights to prevent faulty movements for the operator (in accordance with local requirements).





## AT YOUR SIDE SINCE 1963

As the parent company of Ali Group, Comenda offers professional washing machines rigorously **"Made in Italy"**, according to the highest quality standards.

**Comenda solutions range from small-sized cup and glass washers for bars to large, automated, continuous feed systems for restaurants, hospitals, canteens and inflight catering.**

Our operational flexibility allows us to supply **tailor-made systems**, designed to meet individual space and operation requirements, without any limits on processing capacity, **granting the highest standards of hygiene.**

Championing exceptional performance, cost containment and highly energy efficient design since 1963



## ORIGINAL SPARE PARTS 24/7

You can order directly from our website and check real-time parts availability, **24 h a day and 7 days a week.**

On our website you can: **access and download** technical documentation on our machines (product manuals and detailed electrical and hydraulic schematics); find answers to the most frequently asked questions and **watch Comenda video tutorials.**



## SPEED. SERVICE. SOLUTIONS.

There's no time for downtime in your operation. That's why our products are designed to facilitate quick turnarounds and replacements.

**Comenda ensures rapid response and complete client service.**

Our extensive network of distributors and service providers are ready to assist when in need.



## NEVER STOP TRAINING

To support the ongoing training of our distributor and service network, we encourage our partners to attend our in-house, hands-on seminars. Ask our team for specific onsite training for operators and staff.





## TECHNICAL DATA

# HB

Glasswashers 400 x 400 mm rack



	HB24 HB24 A*	HB34	HB34 R*	HB34 A*
<b>EXTERNAL DIMENSIONS (AxBxC)</b> (mm)	480 x 530 x 645	480 x 530 x 705	480 x 530 x 705	480 x 530 x 705
<b>OVERALL SIZE (D)</b> (mm)	800	860	860	860
<b>RACK SIZE</b> (mm)	400 x 400	400 x 400	400 x 400	400 x 400
<b>CLEARANCE (E)</b> (mm)	220	280	280	280
<b>ELECTRICAL SUPPLY</b> (V)	230V ~ 50Hz 230V 3 ~ 50Hz 400V 3N ~ 50Hz	230V ~ 50Hz 230V 3 ~ 50Hz 400V 3N ~ 50Hz	230V ~ 50Hz 230V/3/50Hz 400V/3N/50Hz	230V ~ 50Hz 230V 3 ~ 50Hz 400V 3N ~ 50Hz
<b>PROGRAM LENGHT</b> (sec)	90/90/120/240/240	90/90/120/240/240	90/90/120/240/240	90/90/120/240/240
<b>OUTPUT RACKS</b> (racks/h)	40/40/30/15/15* 25/25/25/15/15* 27/27/27/15/15* 20/20/20/15/15*	40/40/30/15/15* 25/25/25/15/15*	40/40/30/15/15* 22/22/22/15/15*	27/27/27/15/15* 20/20/20/15/15*
<b>RINSE WATER CONSUMPTION</b> (l)	2,5	2,5	2,5	2,5
<b>TANK HEATER ELEMENT</b> (kW)	2	2	2	2
<b>BOOSTER HEATER</b> (kW)	5	5	5	5
<b>TANK SIZE</b> (l)	12	12	12	12
<b>WASH PUMP</b> (kW)	0,26	0,26	0,26	0,26
<b>INSTALLED LOAD</b> (kW)	5,26	5,26	5,26	5,26

- \* With RCD
- \* With built-in water softener
- \* Output racks - cold water connection (15°C)
- \* Output racks - hot water connection (55°C)
- \* Output racks - hot water connection (35°C)

## OPTIONAL

- Provision for peak power reduction connection
- Wifi connection and remote monitoring
- Special voltages
- Base stand h 80 mm
- Reverse osmosis unit - external for HB34 R
- External water softener

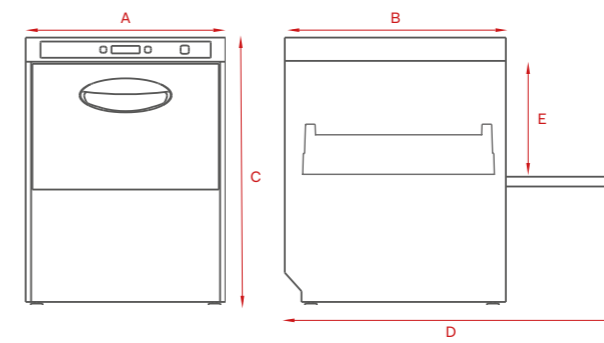


## TECHNICAL DRAWINGS

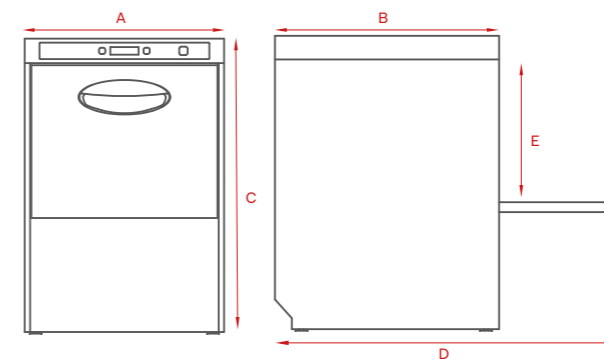
# HB

Glasswashers 400 x 400 mm rack

### HB 24



### HB 34





## TECHNICAL DATA

# HB

Glasswashers 500 x 500 mm rack



	HB35 R*	HB35 RA**	HB35 RO***
<b>EXTERNAL DIMENSIONS (AxBxC)</b> (mm)	600 x 600 x 720 600 x 600 x 800 (F)	600 x 600 x 720 600 x 600 x 800 (F)	600 x 626 x 825
<b>OVERALL SIZE (D)</b> (mm)	940	940	940
<b>RACK SIZE</b> (mm)	500 x 500	500 x 500	500 x 500
<b>CLEARANCE (E)</b> (mm)	300	300	300
<b>ELECTRICAL SUPPLY</b> (V)	230V ~ 50Hz 230V 3 ~ 50Hz 400V 3N ~ 50Hz	230V ~ 50Hz 230V 3 ~ 50Hz 400V 3N ~ 50Hz	230V ~ 50Hz 230V/3/50Hz 400V/3N/50Hz
<b>PROGRAM LENGHT</b> (sec)	90/90/120/240/240	90/90/120/240/240	90/90/120/240/240
<b>OUTPUT RACKS</b> (racks/h)	40/40/30/15/15• 22/22/22/15/15•	27/27/27/15/15• 20/20/20/15/15•	20/20/20/15/15•
<b>RINSE WATER CONSUMPTION</b> (l)	2,5	2,5	2,5
<b>TANK HEATER ELEMENT</b> (kW)	1	1	1
<b>BOOSTER HEATER</b> (kW)	5	5	7
<b>TANK SIZE</b> (l)	10	10	10
<b>WASH PUMP</b> (kW)	0,70	0,70	0,77
<b>INSTALLED LOAD</b> (kW)	5,70	5,70	7,70

- With RCD
- With built-in water softener
- Integrated reverse osmosis unit
- Output racks - cold water connection (15°C)
- Output racks - hot water connection (55°C)
- Output racks - hot water connection (35°C)

## OPTIONAL

- Provision for peak power reduction connection
- Wifi connection and remote monitoring
- Special voltages
- FRC: heat recovery systems for HB35 R and HB35 RA
- Surcharge for 7 kW booster for HB35 R and HB35 RA
- Detergent and rinse aid level probe kit
- Upper rack holder for HB35
- Base stand with door H 350 / 450 mm for HB35
- Stand feet kit (for base stand) 130 / 180 mm for HB35
- Reverse osmosis unit - external
- External water softener

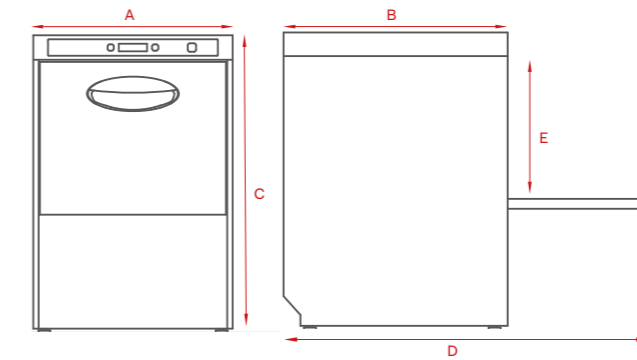


## TECHNICAL DRAWINGS

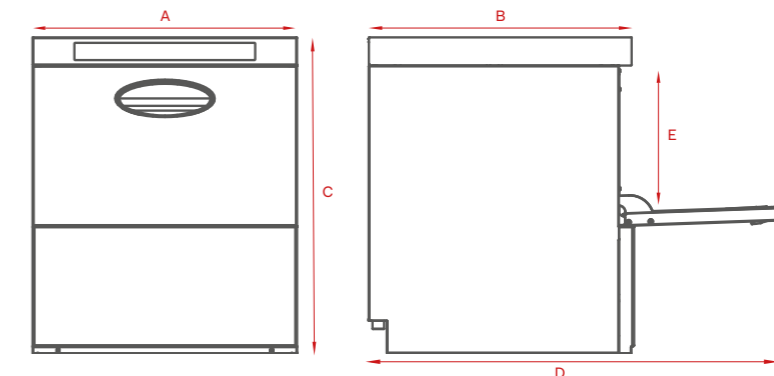
# HB

Glasswashers 500 x 500 mm rack

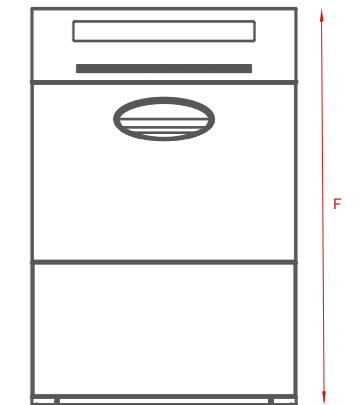
### HB 34



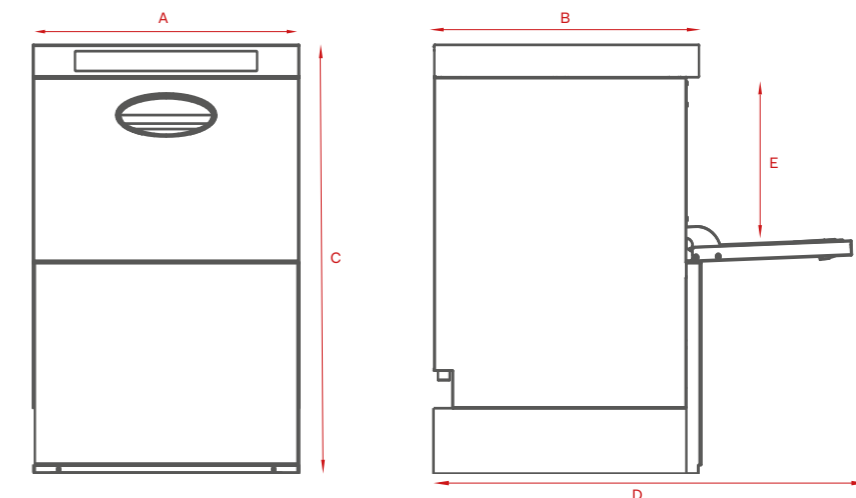
### HB 35 R



### HB 35 R FRC



### HB 35 RO





## TECHNICAL DATA

# HF

Undercounter units 500 x 500 mm rack



	HF45 R*	HF45 RA**	HF45 R DR* HF45 RA DR**
<b>EXTERNAL DIMENSIONS (AxBxC)</b> (mm)	600 x 600 x 820 600 x 600 x 900 (F)	600 x 600 x 820 600 x 600 x 900 (F)	600 x 600 x 820 600 x 600 x 900 (F)
<b>OVERALL SIZE (D)</b> (mm)	1040	1040	1040
<b>RACK SIZE</b> (mm)	500 x 500	500 x 500	2x 500 x 500
<b>CLEARANCE (E)</b> (mm)	400	400	400 (140 x 240)
<b>ELECTRICAL SUPPLY</b> (V)	230V - 50Hz 230V/3 - 50Hz 400V/3N - 50Hz	230V - 50Hz 230V/3 - 50Hz 400V/3N - 50Hz	230V - 50Hz 230V/3 - 50Hz 400V/3N - 50Hz
<b>PROGRAM LENGHT</b> (sec)	90/90/120/240/240	90/90/120/240/240	90/90/120/240/240
<b>OUTPUT RACKS</b> (racks/h)	40/40/30/15/15* 22/22/22/15/15*	27/27/27/15/15* 20/20/20/15/15*	71/71/60/30/30* 36/36/36/30/30* 71/71/60/30/30* 36/36/36/30/30*
<b>RINSE WATER CONSUMPTION</b> (l)	2,5	2,5	4
<b>TANK HEATER ELEMENT</b> (kW)	1	1	1
<b>BOOSTER HEATER</b> (kW)	5	5	7
<b>TANK SIZE</b> (l)	10	10	10
<b>WASH PUMP</b> (kW)	0,70	0,70	0,70
<b>INSTALLED LOAD</b> (kW)	5,70	5,70	7,70

- \* With RCD
- \* With built -in water softener
- \* Output racks - cold water connection (15°C)
- \* Output racks - hot water connection (55°C)
- \* Output racks - hot water connection (35°C)

## OPTIONAL

- Detergent and rinse aid level probe kit
- Upper rack holder
- Stand feet kit for HF45 - h. 130 - 180 mm
- Stand feet kit (for base stand) 130 / 180 mm for HF45 - h. 125 - 165 mm
- Base stand with door h. 350 / 450 mm
- Surcharge for 7 kW booster for HF45
- Provision for peak power reduction connection
- FRC: heat recovery system (h. 900 mm)
- Special voltages
- Wifi connection and remote monitoring
- Reverse osmosis unit - external
- External water softener

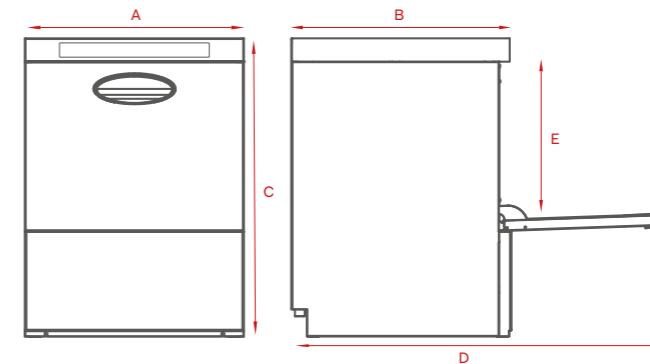


## TECHNICAL DRAWINGS

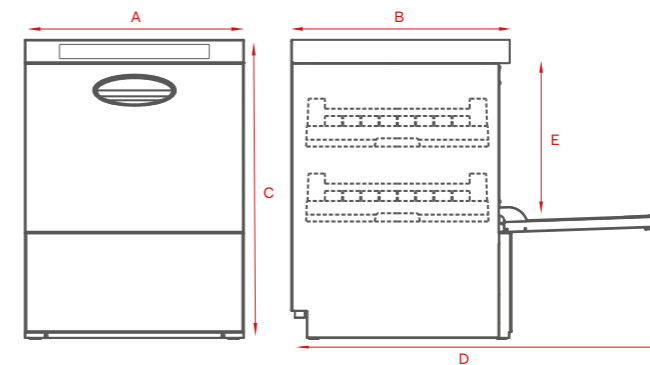
# HF

Undercounter units 500 x 500 mm rack

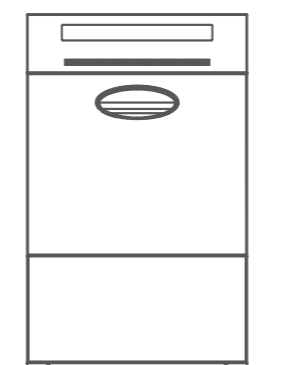
### HF45 R



### HF45 R DR



### HF45 R FRC





## SPECIFICHE TECNICHE

# HC

Pass through 500 x 500 / 600 x 500 mm rack



	HC10 R*	HC10 RA**	HC14 R*	HC14 RA**	HCXL R*
<b>EXTERNAL DIMENSIONS (AxBxC)</b> (mm)	625 x 740 x 1520	625 x 740 x 1520	625 x 740 x 1520	625 x 740 x 1520	725 x 740 x 1620
<b>OVERALL SIZE (D)</b> (mm)	2020	2020	2020	2020	2195
<b>RACK SIZE</b> (mm)	500 x 500	500 x 500	500 x 500	500 x 500	500 x 500
<b>CLEARANCE (E)</b> (mm)	440	440	440	440	530
<b>ELECTRICAL SUPPLY</b> (V)	230V/3 - 50Hz 400V/3N - 50Hz	230V/3 - 50Hz 400V/3N - 50Hz	230V/3 - 50Hz 400V/3N - 50Hz	230V/3 - 50Hz 400V/3N - 50Hz	230V/3 - 50Hz 400V/3N - 50Hz
<b>PROGRAM LENGHT</b> (sec)	65/90/120/240/240	65/90/120/240/240	48/90/120/240/240	48/90/120/240/240	48/90/120/240/240
<b>OUTPUT RACKS</b> (racks/h)	55/40/30/15/15* 32/32/30/15/15*	29/29/29/15/15* 23/23/23/15/15*	75/40/30/15/15* 32/32/30/15/15*	29/29/29/15/15* 23/23/23/15/15*	75/40/30/15/15* 32/32/30/15/15*
<b>RINSE WATER CONSUMPTION</b> (l)	2,9	2,9	2,9	2,9	3,5
<b>TANK HEATER ELEMENT</b> (kW)	3	3	3	3	3
<b>BOOSTER HEATER</b> (kW)	9	9	9	9	9
<b>TANK SIZE</b> (l)	42	42	42	42	42
<b>WASH PUMP</b> (kW)	1,10	1,10	1,50	1,50	2,20
<b>INSTALLED LOAD</b> (kW)	10,10	10,10	10,50	10,50	11,20

- \* With RCD
- \*\* With built-in water softener
- Output racks - cold water connection (15°C)
- Output racks - hot water connection (55°C)
- Output racks - hot water connection (35°C)

### SPACE SAVING

CRC2 footprint is the same as the overall size of the unit.  
No need for additional space in your ware washing area!  
**HC10 R/HC14 R** 625 x 740 x 1894 (F) mm  
**HCXL R** 725 x 740 x 1994 (F) mm!

### OPTIONAL

- Double skin insulated hood
- Detergent and rinse aid level probe kit
- Surcharge for 14 kW booster
- Provision for peak power reduction connection
- CRC2: heat recovery system (h. 1894 mm / 1994 mm)
- MOVE: automatic hood life system
- AS6 LI / AS8 LI: stand alone dryer for reusable items
- Special voltages
- Wifi connection and remote monitoring
- Reverse osmosis unit - external
- External water softener
- Mensole entrata/uscita
- Front table 800 mm for HCXL R

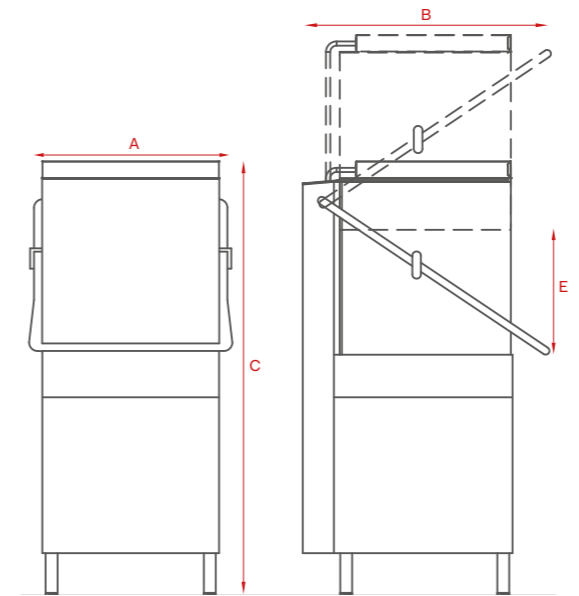


## TECHNICAL DRAWINGS

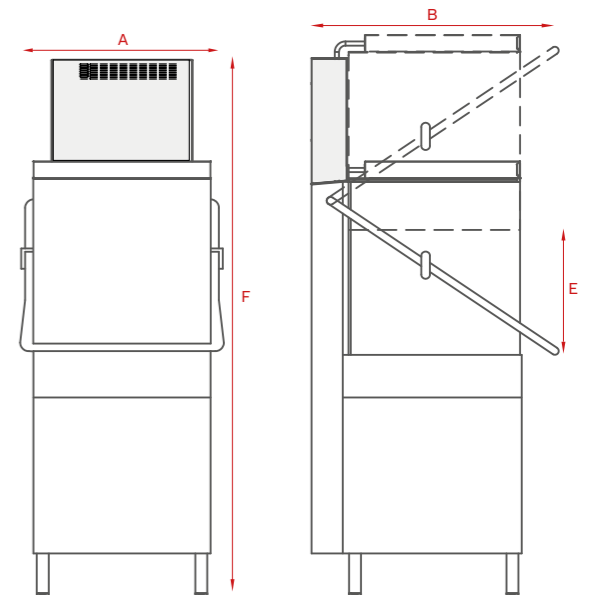
# HC

Pass through 500 x 500 / 600 x 500 mm rack

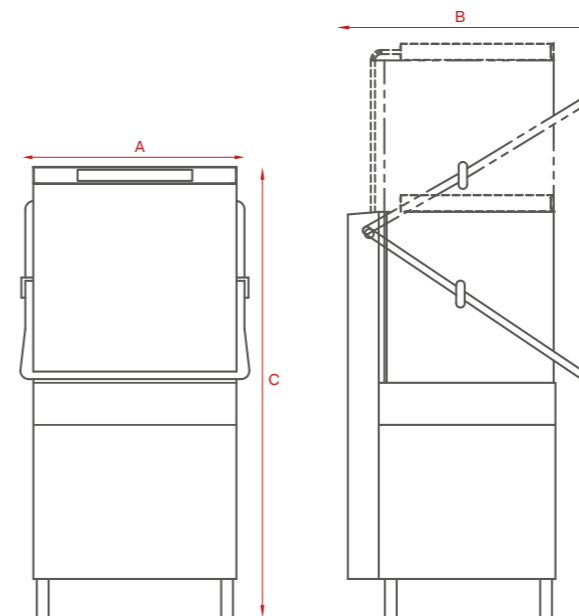
### HC10 R / HC14 R



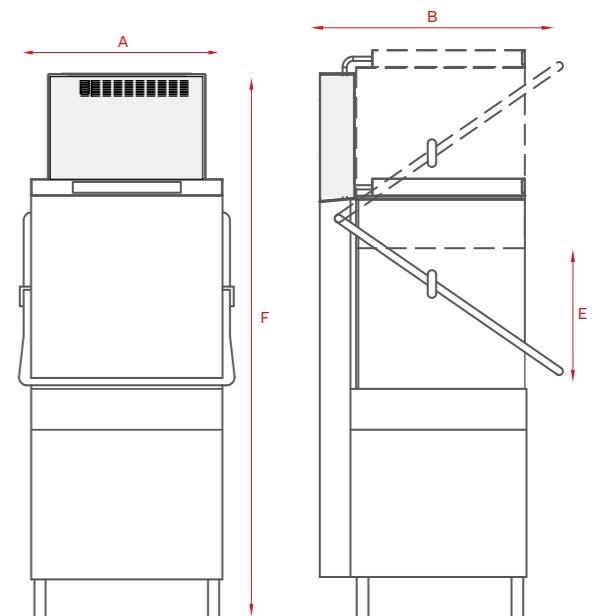
### HC10 R / HC14 R CRC2



### HCXL R



### HCXL R CRC2



## CONTATTI

### Comenda Ali Group

Via Galileo Galilei 8  
20051 Cassina de' Pecchi (MI)

Italia

T +39 02 952281

[sales@comenda.eu](mailto:sales@comenda.eu)

[www.comenda.eu](http://www.comenda.eu)



Azienda con sistema di gestione qualità/ambiente certificato  
secondo le norme ISO9001 e ISO14001:2015.

*Comenda complies with ISO9001 quality management system  
and ISO14001:2015 environmental management system.*

Cod. 90002011122 - Con riserva di variazione delle caratteristiche tecniche. Foto non vincolanti.



an Ali Group Company



The Spirit of Excellence