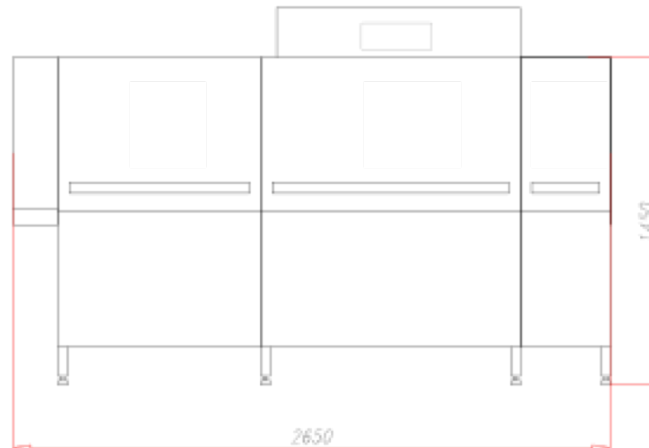


Rack conveyor dishwashing machine – AC2EP9 Next



Key features

Output (Min) 144 rack/hour
 Output (DIN 10510) 160 rack/hour
 Output (Maximum) 220 rack/hour
 Rinse water consumption 1,36 l'/rack
 Tank capacity 174 liters
 External Dimensions 2650x790x1680 mm

Power supply 400V 3N~
 Frequency 50/60 Hz
 Installed load (hot water) 27,1 kW ●
 Installed load (cold water) 42,1 kW ●
 Sensible capacity 7,9 kW
 Latent capacity 7,2 kW

Standard features

- AISI 304 stainless steel tank chassis and paneling
- Inspection doors with integral balancing springs
- Compact installation dimensions
- Stainless steel upper and lower inspectable washing manifolds with negative embossed anti-drip nozzles
- Deep-drawn tanks with rounded corners
- Self-draining vertical pumps
- Door wipe seal for constant cleaning of the inside of the door
- Whole tank stainless steel filter and pump suction filter
- Color Coding - Each module, along with its internal removable components, is identified by a color. This helps in cleaning operations and machine preparation process, avoiding incorrect combinations and malfunctioning.
- Prewash ON/OFF - By pressing the button on the Back-lit control panel, it's possible to activate or deactivate the Prewash.
- Sequence Control - During machine installation, this procedure allows to check electrical phase and 3 phase motor correct rotation.
- PST – External conveyor connection to machine. Allows machine electrical connection to any automatic infeed or exit conveyor systems.
- Upper back-lit control panel with digital display temperature readout
- 3 speeds - Inverter
- Inlet Splash shield
- Double-wall doors
- 24V control circuit
- Economizer that activates rinsing only when rack passes through
- Electrical setup for connection of dosing devices for chemicals
- Machine side disconnection switch
- Digital water flowmeter with total rinse water consumption and machine run time
- Prewash sections with inspection door
- EOR – Emergency Override Key activated electromechanical emergency function. If an electronic malfunction occurs, the EOR ensures the machine drive system, wash pumps and heating elements continue to operate so you can organize servicing at a time that is most convenient for your operation.
- APRS® Automatic Proportional Rinse System (Autotimer Automatic Reset included) Patented system which allows to reduce up to 30% dishwasher consumptions adapting automatically the water, energy and chemicals according to the work load.

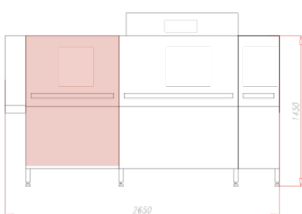
Standard configuration



Inlet Splash Shield

The inlet splash shield prevents splashing of water to the exterior of the machine.

Module length 200 mm



Prewash

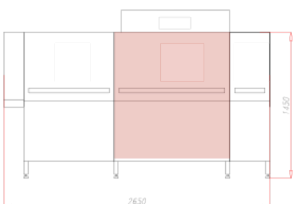
In this zone food residue is removed thanks to the large circulation pump and the upper and lower easy-to-extract manifolds system.

Module length 900 mm

Wash pump 1,24 kW

Tank heater 9 kW

Tank volume 80 l



Wash

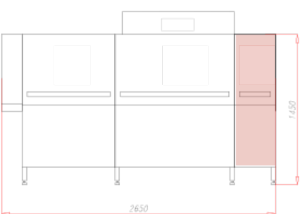
In this zone food residue is removed thanks to the combined action of detergent and large circulation pump.

Module length 1150 mm

Wash pump 1,24 kW

Tank heater 12 kW

Tank volume 80 l



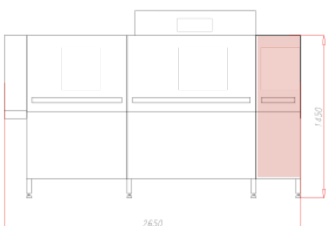
Eco2rinse

The clean water used by the final rinse is re-used for the pre-rinse allowing a considerable saving of clean water.

Module length 400 mm

Ecorinse pump 0,48 kW

Tank volume 14 l



Final Rinse

In this zone, the dishware is rinsed with fresh hot water.

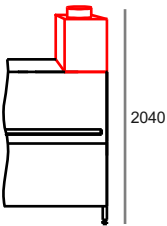
Rinse water flow (@ DIN speed) 200 l/h

Rinse water flow (@ Maximum speed) 300 l/h

Booster heater (@ 55°C) 12 kW ●

Booster heater (@ 15°C) 27 kW ●

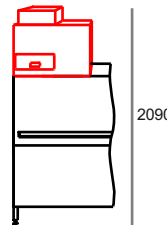
Accessories



RC - Heat Recovery Unit

Fitted on the rinse section, it enables the machine to be connected to cold water, which is pre-heated and transferred to the rinse booster.

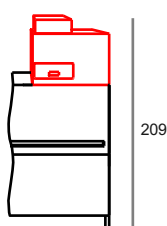
Total installed load becomes (cold water connection)	31,2 kW	●
Fan power input	0,047 kW	
Sensible Capacity	7,8 kW	
Latent Capacity	5,4 kW	
Single point air extraction		



WP7.1L - Heat Pump for One Tank Heating

The heat pump heats the water in the wash tank with higher efficiency than the electrical heating element.

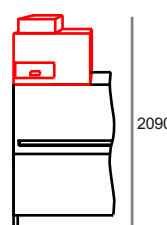
Total installed load becomes (hot water connection)	20,4 kW	●
Total installed load becomes (cold water connection)	35,4 kW	●
Sensible Capacity	6,4 kW	
Latent Capacity	1 kW	
Single point air extraction		



WP7.1R - Heat Pump for One Tank Heating

The heat pump heats the rinse water with higher efficiency than the electrical heating element.

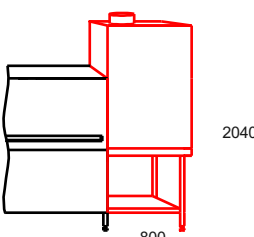
Total installed load becomes (cold water connection)	31,4 kW	●
Sensible Capacity	6,4 kW	
Latent Capacity	1 kW	
Single point air extraction		



WP7.2 - Heat Pump for One Tank Heating and Rinse Water Preheating

The heat pump heats the water in the wash tank and rinse water rinse with higher efficiency than the electrical heating element.

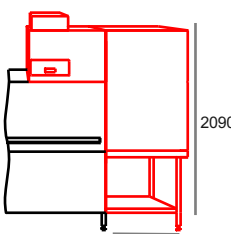
Total installed load becomes (cold water connection)	24,2 kW	●
Sensible Capacity	6,4 kW	
Latent Capacity	1 kW	
Single point air extraction		



ARC8 - 800mm Blower Dryer with Heat Recovery Unit

It allows the hot and humid air flow created inside the machine to be utilized.

Total installed load becomes (cold water connection)	37,67 kW	●
Module length	800 mm	
Sensible Capacity	9,8 kW	Latent Capacity 2,9 kW
Dryer Fan power input	0,42 kW	Dryer heaters 6 kW
Single point air extraction		

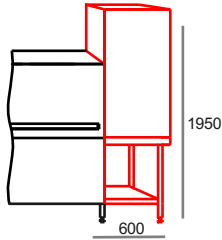


ARC Blower Dryer combined with WP7.2 Heat Pump

It allows the hot and humid air flow created inside the machine to be utilized.

Total installed load becomes (cold water connection)	30,6 kW	●
Module length	800 mm	
Sensible Capacity	7,2 kW	Latent Capacity 0,1 kW
Dryer Fan power input	0,42 kW	Dryer heaters 6 kW

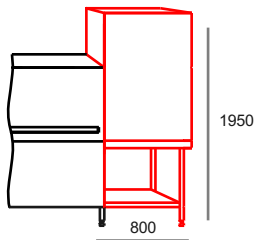
Accessories



AS6 - 600 mm Blower Dryer

The air for the dryer is heated in a battery with heaters and blown on the dishware by means of a double jet.

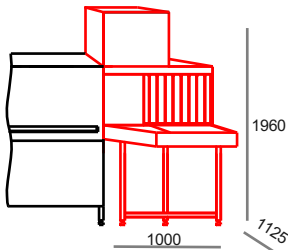
Module length	600 mm
Dryer fan power input	0,42 kW
Dryer heaters	6 kW
Sensible Capacity	11,7 kW
Latent Capacity	10 kW



AS8 - 800 mm Blower Dryer

The air for the dryer is heated in a battery with heaters and blown on the dishware by means of a double jet.

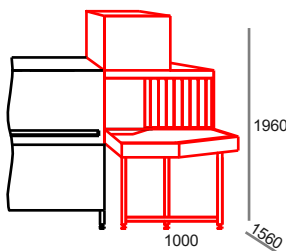
Module length	800 mm
Dryer fan power input	0,42 kW
Dryer heaters	6 kW
Sensible Capacity	11,7 kW
Latent Capacity	10 kW



TC90 - AS Blower Dryer on 90° exit curve without motor

The dryer is fitted on a 90° mechanized curve to optimize working space in the washing area.

Module length	1000 x 1125 mm
Dryer fan power input	0,42 kW
Dryer heaters	6 kW
Sensible Capacity	11,7 kW
Latent Capacity	10 kW

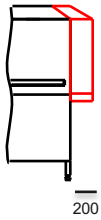


TC180 - AS Blower Dryer on 180° exit curve with motor

The dryer is fitted on a 180° motorized curve to optimize working space in the washing area.

Module length	1000 x 1560 mm
Dryer fan power input	0,54 kW
Dryer heaters	6 kW
Sensible Capacity	11,7 kW
Latent Capacity	10 kW

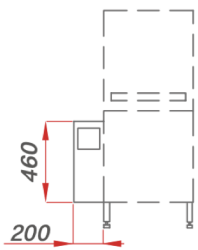
Accessories



Splash Shield

The exit splash shield prevents splashing of water to the exterior of the machine.

Module length 200 mm

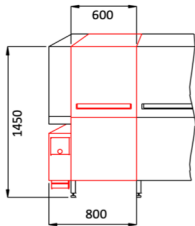


RED Automatic Soil Removal

The soiled particles are pumped out from the prewash module to the 200mm external module, keeping the prewash water clean.

Module length 200 mm

Water Recycle Pump 2x 0,10 kW



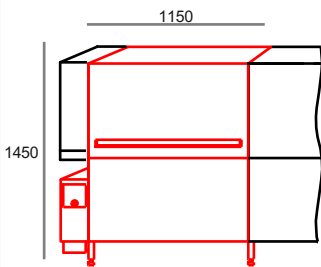
DHM 2+ - Automatic Pre-Scraping System + RED Automatic Soil Removal

Prewash section 600 mm c/w pump and external filtering system (RED), removable with machine in operation (no downtime).

Module length 600 mm

Wash pump 0,99 kW

Tank volume 45 l



P-MAX – Automatic pre-scrap, pre-wash module with DHM and RED systems integrated

1150 mm module with integrated DHM upper arm, PWS technology and automatic soil removal (RED).

Module length 1150 mm

Wash Pump 0,99 kW

Tank volume 80 l

Options

Central Drain

Any single tank drain is connected together in a central drain.

C-Smart

Comenda C-Smart features an advanced IP65 rated electronic touch screen control and, at the same time, an auxiliary system EOR (Emergency OverRide), granting uncompromising washing results with the lowest possible running costs. Simple, intuitive, universal, the EOR allows even unskilled staff to operate the unit in a basic but efficient mode and cope with unexpected PCB failures during operations granting consistency with no downtime – C-Smart allows for Wi-Fi connection and remote connection through the VPN Gateway via computer, tablet or smartphone to access maintenance related data with the opportunity to remote fault finding and servicing.

HPS EASY

A dedicated display enables the operators to keep a daily check on water and energy consumption and usage time to be advised on any operational fault.

HPS EASY PLUS

To store HACCP data on internal memory and copy them on a USB memory stick.

RAH Rinse Aid Homogenizer

It uniformly mixes rinse water and rinse agent. Reducing rinse aid consumption by 70%.

RCD Rinse Control Device

It combines an atmospheric booster and a rinse booster pump and ensures rinsing at a constant temperature and pressure throughout the cycle.

RED – Automatic Soil Removal

Food residues produced during washing cycle are absorbed by a filter connected to the drain pump. Dirt is conveyed in a basket filter placed in an external tank. The external filter can be extract and clean at any time, even during the washing cycle without any downtime. At the end of this process, food residues are separated from water.

DHM 2+ - Automatic Pre-Scrapping System + RED Automatic Soil Removal

The three upper arms with different jet patterns, combined with the lower 6-nozzle- washing arm replicate the action of manual pre-washing by performing an energetic removal of dirt. The DHM2 + module de facto eliminates the need for manual prewash and **guarantees a controlled water consumption and dramatic water savings.**

P-MAX – Automatic prewash module with DHM and RED systems integrated.

The 8 upper and lower arms with different jet patterns and different projection angles, attack food residues through three different actions: Hydration - Detachment - Elimination. The 4 PWS arms completely remove dirt from the dishes, preparing them for the degreasing action of the wash. The residues are then conveyed outside the machine and collected into the RED filter.

Rinse Aid Injector

Liquid Detergent Injector

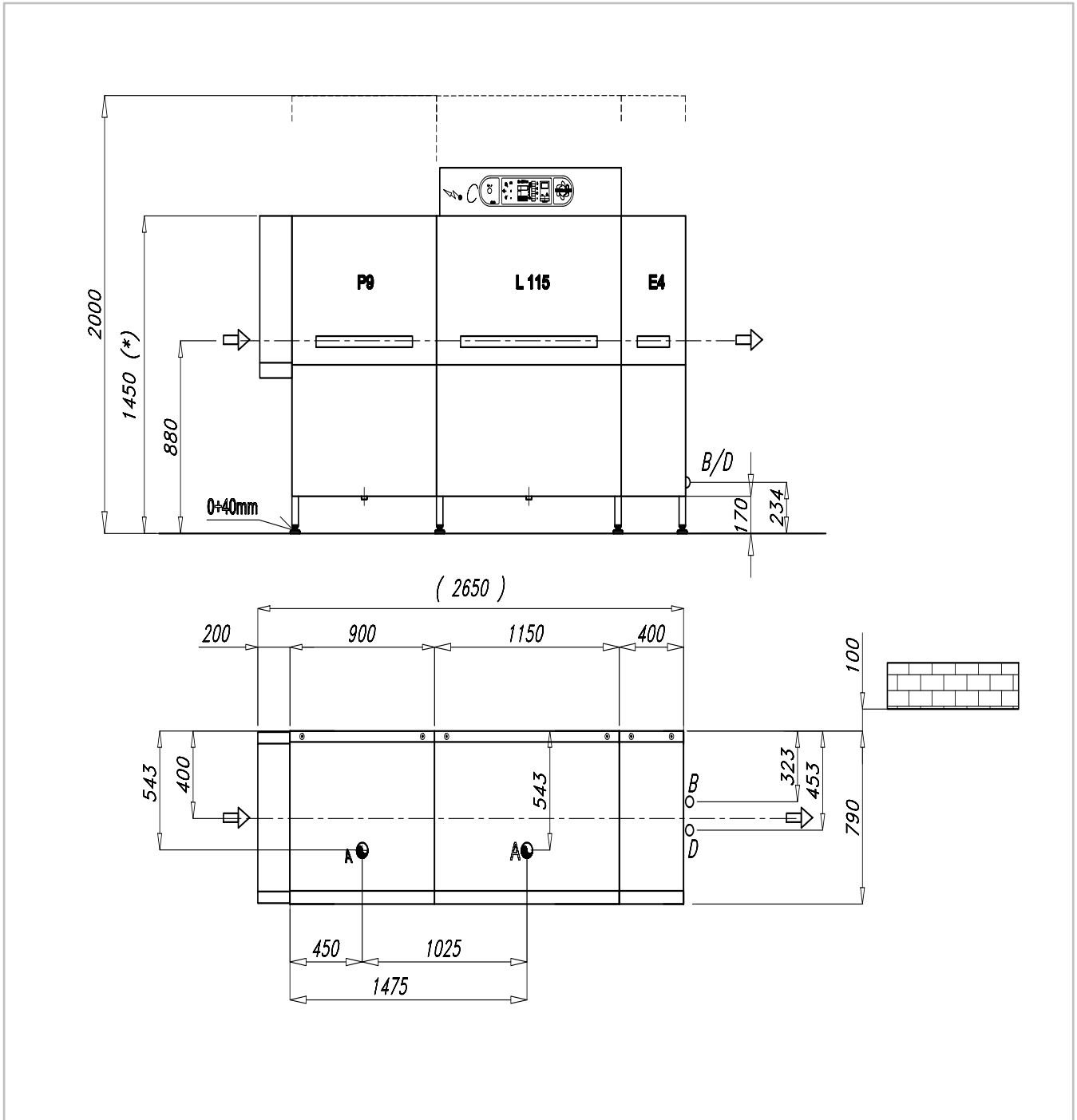
Thermolabel test Compliance (full technical spec)

Special voltages

230V 3~ 50 Hz
230V 3~ 60 Hz
440V 3~ 60 Hz
480V 3~ 60 Hz

Marine execution

Installation drawing



The drawing refers to the standard machine with no optional - Feeding direction: left / right

Please enquire for the installation drawing relevant to the configuration selected.