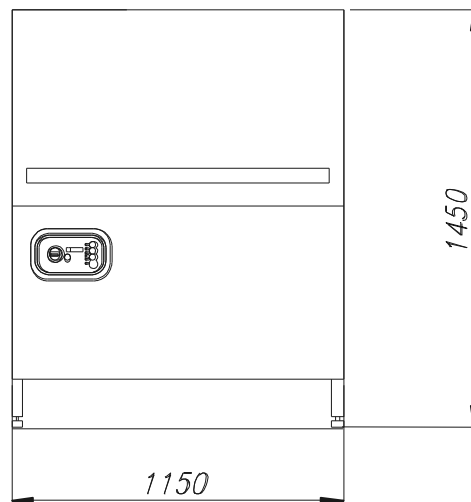


## Rack conveyor dishwashing machine – AC2



### Brief description

Rack conveyor dishwasher.  
1150 mm Upper/Lower Wash and rinse with DIGIT control panel.

Counterbalanced Insulated doors.

### Key features

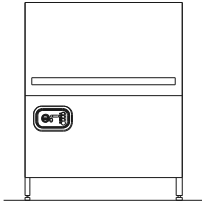
Rack Production (Minimum) ..... 70 rack/hour  
Rack Production (DIN 10510) ..... 70 rack/hour  
Rack Production (Maximum) ..... 95 rack/hour  
Rinse water consumption ..... 147 l/h  
Tank capacity ..... 80 liters  
Total length ..... 1150 mm

Power supply ..... 400V 3N~  
Frequency ..... 50/60 Hz  
Unit connection load (hot water) ..... 19,03 kW ●  
Unit connection load (cold water) ..... 31,03 kW ●  
Sensible capacity ..... 4,4 kW  
Latent capacity ..... 6,2 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 of our tunnel machines is identified by a color, as well as its internal components. This helps for cleaning operations and machine preparation process, avoiding incorrect combinations and malfunctioning.
- Electronic control panel with digital display temperature readout
- 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
- All prewash sections with inspection door

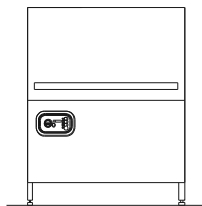
## Standard configuration



### 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 .....	0,85 kW
Tank heater .....	10 kW
Tank volume .....	80 l

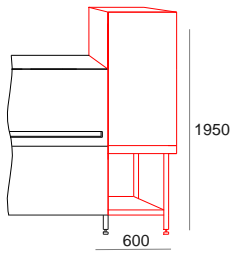


### Rinse

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

Rinse water flow (@ DIN speed) .....	147 l/h
Rinse water flow (@ Maximum speed) .....	220 l/h
Booster heater (@ 55°C) .....	8 kW ●
Booster heater (@ 15°C) .....	20 kW ●

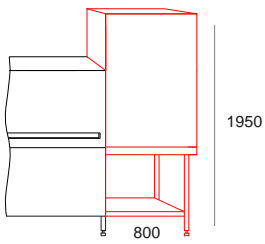
## Accessories



### 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.

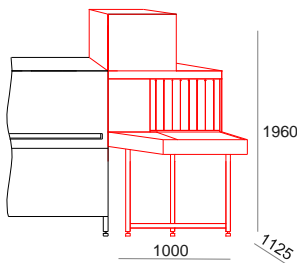
Module length .....	600 mm
Dryer fan power input .....	0.42 kW
Dryer heaters .....	6 kW
Sensible Capacity .....	8.1 kW
Latent Capacity .....	7,3 kW



### 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.

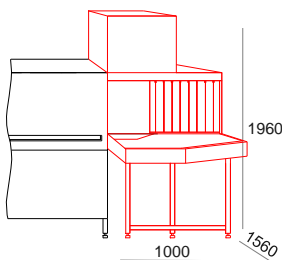
Module length .....	800 mm
Dryer fan power input .....	0.42 kW
Dryer heaters .....	6 kW
Sensible Capacity .....	8.1 kW
Latent Capacity .....	7,3 kW



### 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.

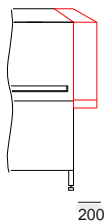
Module length .....	1000 x 1125 mm
Dryer fan power input .....	0.42 kW
Dryer heaters .....	6 kW
Sensible Capacity .....	8.1 kW
Latent Capacity .....	7,3 kW



### TC180 -AS Blower Dryer on 180° exit curve without motor

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

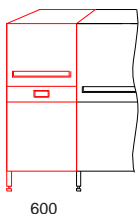
Module length .....	1000 x 1560 mm
Dryer fan power input .....	0.42 kW
Dryer heaters .....	6 kW
Sensible Capacity .....	8.1 kW
Latent Capacity .....	7,3 kW



### Splash Shield

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

Module length .....	200 mm
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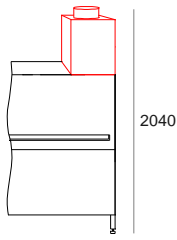


### DHM - Automatic Pre-Scrapping System

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

Module length .....	600 mm
Wash pump .....	0,99 kW
Tank volume .....	45 l

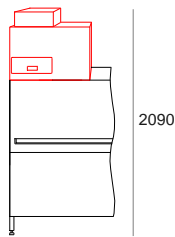
## Accessories



### 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.

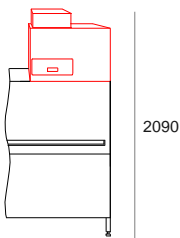
Total connection load becomes (cold water connection)	22,08 kW	●
Fan power input	0,047 kW	
Sensible Capacity	3,4 kW	
Latent Capacity	1,7 kW	
Single point air extraction		



### WP7.1L - Heat Pump for One Tank Heating

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

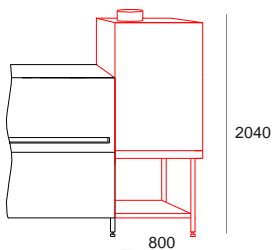
Total installed load becomes (hot water connection)	14,3 kW	●
Total installed load becomes (cold water connection)	26,3 kW	●
Sensible Capacity	0,7 kW	
Latent Capacity	0,1 kW	
Single point air extraction		



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

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

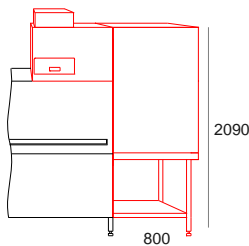
Total installed load becomes (cold water connection)	17,1 kW	●
Sensible Capacity	0,7 kW	
Latent Capacity	0,1 kW	
Single point air extraction		



### ARC8 - Blower Dryer with Heat Recovery Unit 800 mm

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

Total installed load becomes (cold water connection)	28,56 kW	●	
Module length	800 mm		
Sensible Capacity	5,9 kW	Latent Capacity	1,4 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)	23,5 kW	●	
Module length	800 mm		
Sensible Capacity	4,7 kW	Latent Capacity	0,1 kW
Dryer Fan power input	0,42 kW	Dryer heaters	6 kW
Single point air extraction			

## Options

### **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.

### **Autotimer Automatic Reset**

The timer-operated wash cycle enables the pumps to be stopped when there are no racks inside the machine. The machine automatically starts to operate again when new rack is loaded. This solution achieves considerable energy savings.

### **Central Drain**

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

### **E5 Electronic with PLC with upper control panel**

The last-generation electronic control panel allows use and control of the machine by means of a high-resolution touch sensitive 7-Inch display with an integrated diagnostic system.

### **Remote connection for E5**

To communicate remotely with your equipment and ensure data can be downloaded, anomalies identified and operating parameters reset in real time and from whenever you are.

### **HPS EASY**

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

### **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 at a constant temperature throughout the cycle.

### **Sanitizing System**

In each prewash, wash or rinse area, arms with adjustable nozzles are aimed at internal surfaces to guarantee maximum hygiene.

### **Rinse Aid Injector**

### **Liquid Detergent Injector**

### **Thermolabel test Compliance (full technical spec)**

### **Special voltages**

230V 1~ 50 Hz

230V 1~ 60 Hz

230V 3~ 50 Hz

230V 3~ 60 Hz

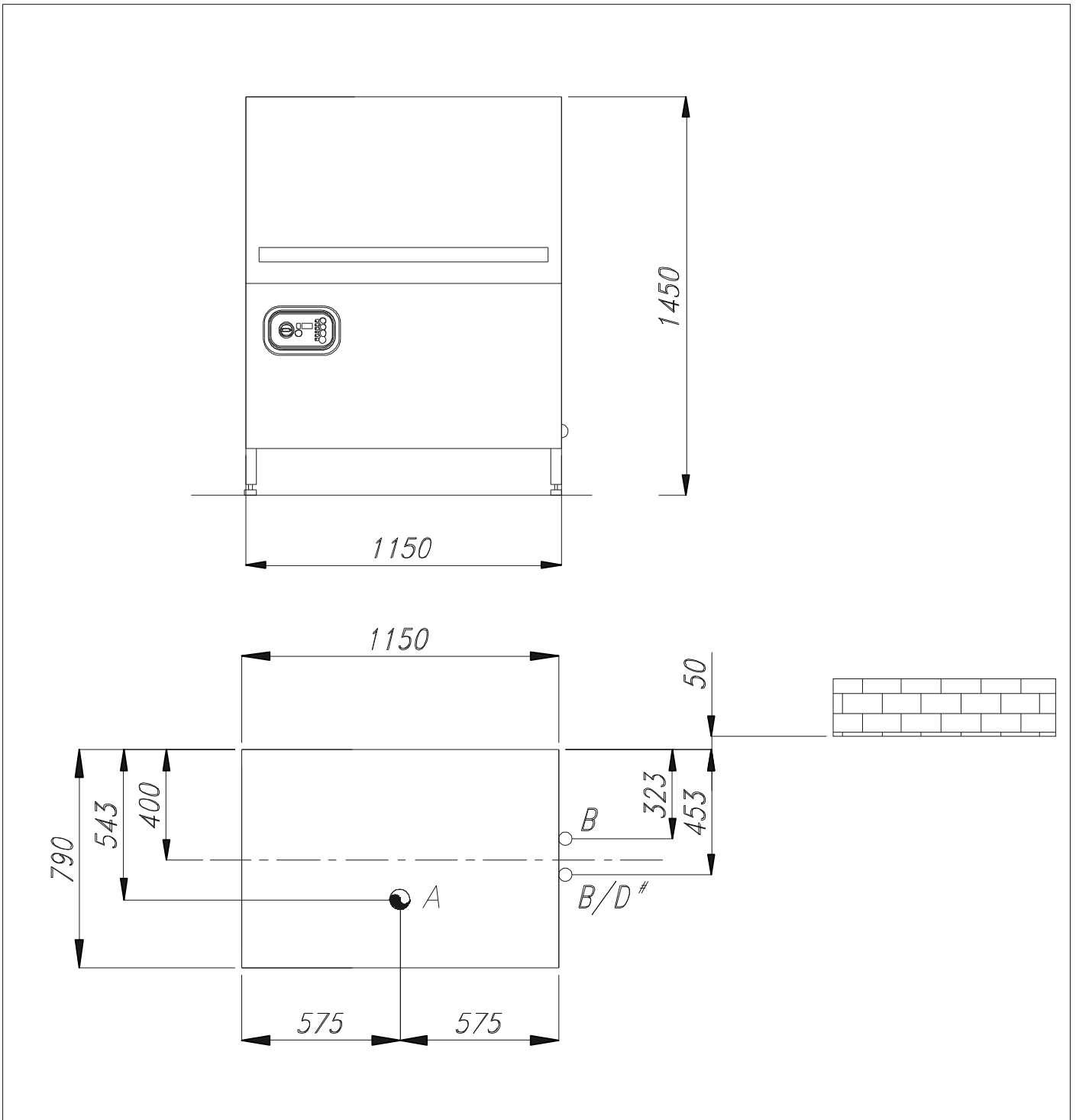
440V 3~ 60 Hz

480V 3~ 60 Hz

### **Marine execution**

**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.

## Installation drawing



Feeding direction: left / right

The drawing refers to the standard machine with no optional.

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