COMENDA
TO CLEAN. WITH CARE.

Rack conveyor dishwashing machine – AC2EP6 Next

With the AC2E Next range, you can wash up to 255 racks and 4590 dishes per hour. The ECO2RINSE® rinse section as a separate module creates a drip zone between it and the wash zone. This standard feature ensures that the dishes reach the final stage with less detergent and water, meaning that a small amount of water will be needed to rinse them, thus also reducing energy consumptions. This technology allows you to save up to 55% of water and detergent. The Next series is simple to use and service. The intuitive operation of the machine is operator-friendly. The AC2E Next is designed to make daily operations easier with deep drawn tanks, self draining wash pumps and easy to remove filters and manifolds.

Key features

Output(Min) - 1st Speed	123 racks/hour
Output(DIN10510) - 2nd Speed	137 racks/hour
Output(Max) - 3rd Speed	205 racks/hour
Rinse Water Consumption	1.36L/rack
Tank Capacity	139 litres
Total Length	2350mm
Water Temp Supply	55°C
Water Connection	2-4 Bar, 3/4"

Power Supply	415V 3N 50Hz 63A 3 Phase (not plugged)
Frequency	50/60Hz
Installed Load (Hot Water 11 kW Booster heater)	25.8kW •
Installed Load (Cold Water 25 kW Booster heater)	39.8kW •
Sensible Capacity	7.3kW
Latent Capacity	7.1kW
Drain	50mm ø

Standard features

- AISI 304 stainless steel tank chassis and paneling
- Double skin insulated inspection doors with integral balancing springs
- Compact installation dimensions
- Stainless steel upper and lower inspectable washing manifolds with negative embossed antidrip 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 disactivate 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
- Door wipe seal automatically cleans when opening
- 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.

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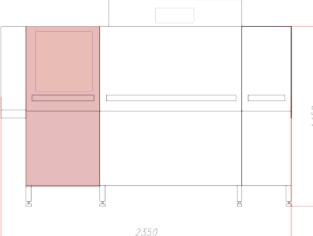
Standard Configuration

Images shown are from Left to Right configuration.

Splash Shield

The entry splash shield prevents splashing of water to the exterior of the machine.
Module Length 200mm
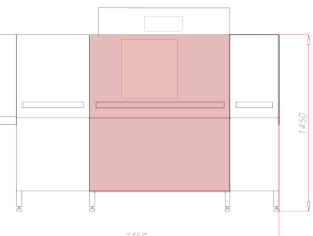
PreWash

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 600mm
Wash Pump 0.90kW
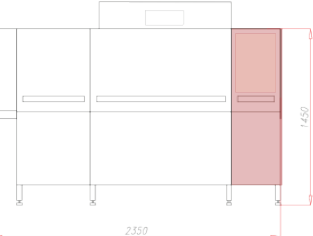Tank Volume...45L

Wash

In this zone food residue is removed thanks to the combined action of detergent and large circulation pump.
Module Length 1150mm
Wash Pump 1.24kW
Tank Heater 12kW
Tank Volume...80L

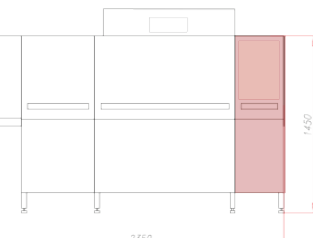### Eco2Rinse

The clean water used by the final rinse is re-used for the pre-rinse allowing a considerable saving of clean water.
Module Length 400mm
Ecorinse Pump 0.48kW
Tank Volume...14L

Final Rinse

In this zone, the dishware is rinsed with fresh hot water.
Rinse Water Flow (@ DIN Speed) ....187 L/Hour
Rinse Water Flow (@ Maximum Speed) ....280 L/Hour
Booster Heater (@ 55°C) ....11kW •
Booster Heater (@ 15°C) ....25kW •

Accessories
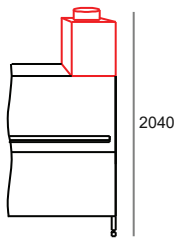
RC - Heat Recovery Unit

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) ....28.85kW ●
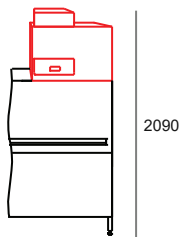Fan Power Output 0.047kW
Sensible Capacity...7.1kW
Latent Capacity 5.2kW
Single Point Extraction ....

2040
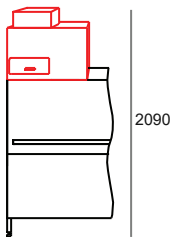
WP7.1L - Heat Pump for One Tank Heating

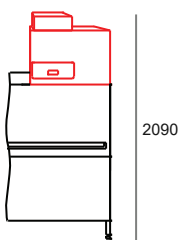The heat pump heats the water in the wash tank with higher efficiency than the electrical heating element.

Total Installed Load Becomes (Hot Water Connection) ....19kW ●
Total Installed Load Becomes (Cold Water Connection) ....33kW ●
Sensible Capacity..5.8kW
Latent Capacity 1kW

2090

WP7.1 R- 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) .... 30.1kW ●
Sensible Capacity..5.8kW
Latent Capacity 1kW

2090

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) .... 21.9kW ●
Sensible Capacity..5.8kW
Latent Capacity 1kW
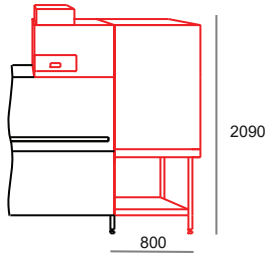
2090
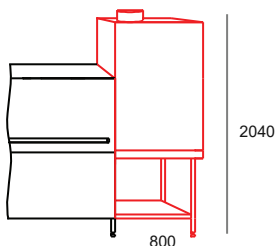
ARC8 - Blower Dryer with Heat Recovery Unit 800 mm

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

Total Installed Load Becomes (Cold Water Connection) 35.33kW
Module Length 800mm
Sensible Capacity.. 9.1kW   Latent Capacity 2.6kW
Dryer Fan Power Input.........................0.42kW   Dryer Heater.. 6kW
Single Point Air Extraction ....

2040

800

Accessories

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) 28.3kW
Module Length 800mm
Sensible Capacity.....................................6.5kW   Latent Capacity 0.1kW
Dryer Fan Power Input.........................0.42kW   Dryer Heater... 6kW
No Extraction Required ....

2090
800
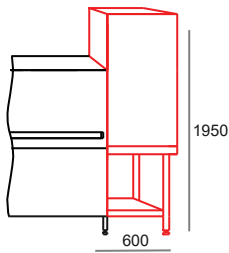
AS6 - 600 mm Blower Dryer

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 600mm
Dryer Fan Power Input...0.42kW
Dryer Heaters... 6kW
Sensible Capacity..11.0kW
Latent Capacity 9.7kW

1950
600
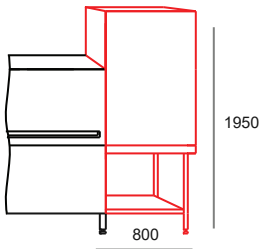
AS8 - 800 mm Blower Dryer

The air for the dryer is heated in a battery with heaters and blown on the dishware
by means of a double jet.
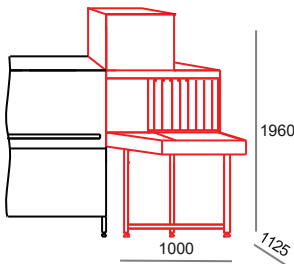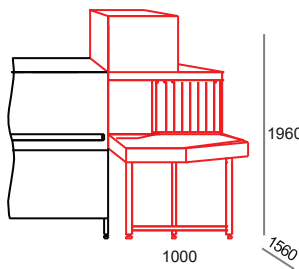Module Length 800mm
Dryer Fan Power Input...0.42kW
Dryer Heaters... 6kW
Sensible Capacity..11.0kW
Latent Capacity 9.7kW

1950
800

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

The dryer is fitted on a 90° curve to optimize working space in the washing area.
Module Length ....1000 x 1125mm
Dryer Fan Power Input...0.42kW
Dryer Heaters... 6kW
Sensible Capacity..11.0kW
Latent Capacity 9.7kW
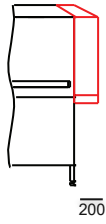
1960
1000
1125

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 1560mm
Dryer Fan Power Input... 0.57kW
Dryer Heaters... 6kW
Sensible Capacity..11.0kW
Latent Capacity 9.7kW

1960
1000
1560

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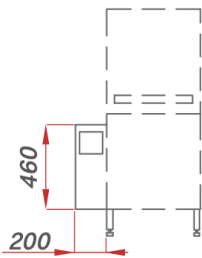
Accessories

Images shown are from Left to Right configuration.

Splash Shield

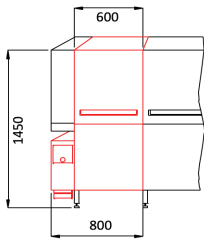The exit splash shield prevents splashing of water to the exterior of the machine.

Module Length 200mm

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 200m
Wash Recycle Pump 2x 0,10kW
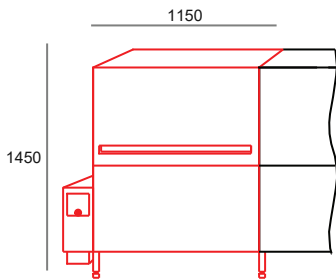
DHM 2+ - Automatic Pre-Scrapping System + RED Automatic Soil Removal

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

Module Length 600m
Wash Pump 0.99kW
Tank Volume..45L

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 1150m
Wash Pump 0.99kW
Tank Volume..80L

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 for 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.

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 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)

Drain pumps

Splash shield with collars
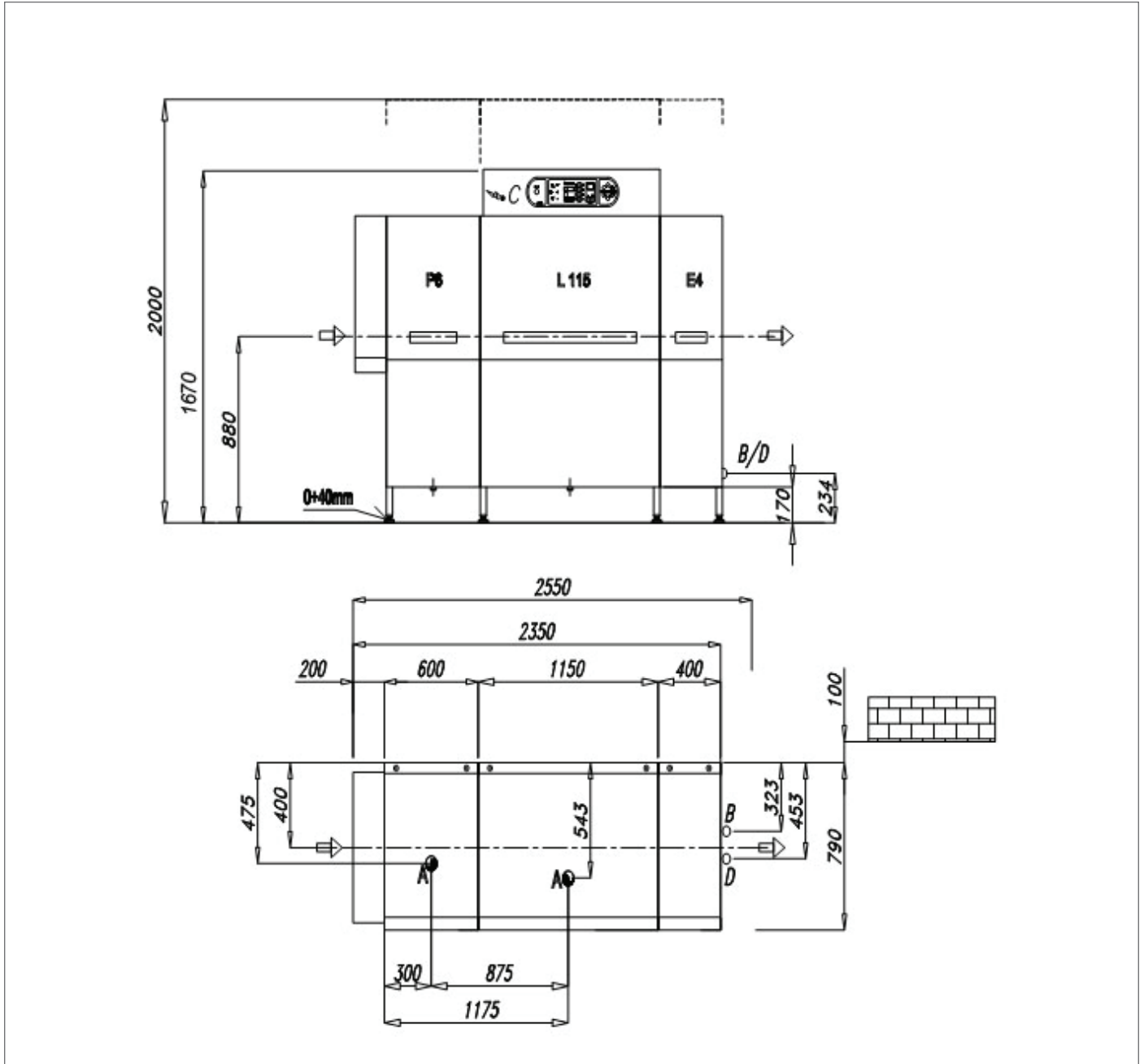
Special voltages

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

Marine execution

Installation Drawing

Images shown are from Left to Right configuration.

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.
Comcater Pty Ltd reserves the right to modify product specifications at any time without prior notice.