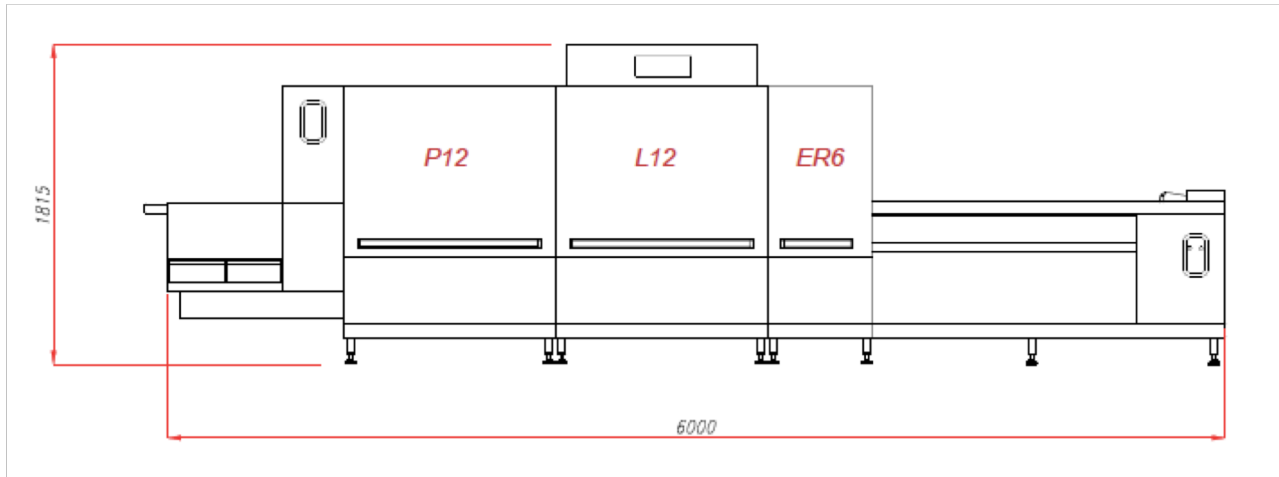


## Flight type dishwashers – NE21-P12



### Brief description

Flight type dishwasher, 3 speeds, counterbalanced insulated doors and double walled insulated body. 1000mm Load section c/w extractable filters and splash shield with start/stop buttons and emergency switch - 1200mm P12 Upper/Lower/Side Prewash

1200mm L12 Upper/Lower/Side Wash - MR9 Multirinse, PRS, - 2000mm unload section c/w splash shield with start/stop buttons and emergency switch - top mounted controls, TECH+ Control Panel, EOR, and water consumption counter

### Key features

Conveyor speed (Minimum) ..... 1,51 m/min  
 Conveyor speed(DIN 10510) ..... 1,68 m/min  
 Conveyor speed (Maximum) ..... 2,35 m/min  
 Rinse water consumption ..... 270 l/h  
 Tank capacity ..... 224 liters  
 Total length ..... 6000 mm

Power supply ..... 400V 3N~  
 Frequency ..... 50/60 Hz  
 Unit connection load (hot water) ..... 43,0 kW ●  
 Unit connection load (cold water) ..... 57,0 kW ●  
 Sensible capacity ..... 6,8 kW  
 Latent capacity ..... 15,6 kW

### Standard features

Machine completely constructed in AISI 304 stainless steel  
 Max. Wash dimensions: mm 620 x 430h.

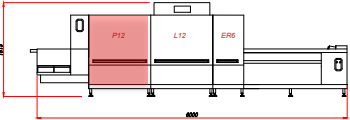
#### Conveyor belt drive system

Single motor gear driven by 3 speed inverter. Belt drive control system through mechanical torque limiter. 60 mm finger belt distance. 8mm stainless steel conveyor belt shafts. Dual stainless steel spacers between the shafts.

#### Electric panel

IPX4 protection.  
 Front control panel with push buttons and led indicators under a protective membrane.  
 Electronic controls.  
 Digital display for temperature and machine status  
 24V AC rated control circuit. Circuit breakers to protect motors and heaters.  
 Main switch fitted as standard. Lockable in the machine-off position by means of a padlock.  
 External machine data plate showing unit serial number, electric load, complete with QR code for technical documentation download.  
 Emergency override – key activated electromechanical emergency function.

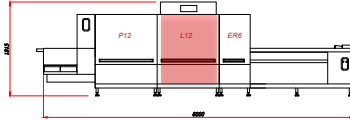
## Standard configuration



**Prewash**

In this zone food residue is removed thanks to the large circulation pump and the easy-to-extract manifolds system in stainless steel with deep drawn jets.

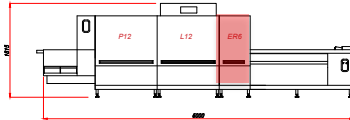
Module length .....	1200 mm
Wash pump .....	2,70 kW
Tank heater .....	9,0 kW
Tank volume .....	100 l



**1st Wash**

In this zone food residue is removed thanks to the combined action of detergent and large circulation pump together with easily extractable upper and lower manifold.

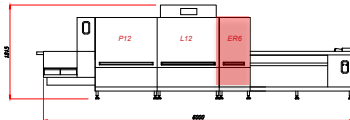
Module length .....	1200 mm
Wash pump .....	2,70 kW
Tank heater .....	20,0 kW
Tank volume .....	110 l



**EcoRinse**

This double rinsing system significantly reduces water consumption.

Module length .....	600 mm
Wash pump .....	0,48 kW
Tank heater .....	6,0 kW
Tank volume .....	14 l



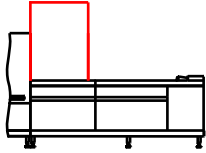
**Rinse**

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

Rinse water flow (@ DIN speed) .....	180 l/h
Rinse water flow (@ Maximum speed) .....	270 l/h
Booster heater (@ 55°C) .....	11,0 kW ●
Booster heater (@ 15°C) .....	25,0 kW ●

## Accessories

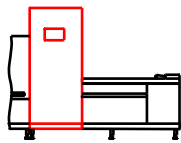
### 800 mm AS Blower Dryer



The air for the dryer is heated in a battery with heaters and blown on the dishware from the upper side.

Module length .....	800 mm
Dryer fan power input .....	0,42 kW
Dryer heaters .....	9,0 kW
Sensible Capacity .....	20,0 kW
Latent Capacity .....	18,7 kW

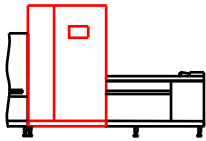
### T1 - 800 mm AS Blower Dryer



The air for the dryer is heated in a battery with heaters and blown on the dishware from the upper side.

Module length .....	800 mm
Dryer fan power input .....	0,42 kW
Dryer heaters .....	9,0 kW
Sensible Capacity .....	20,0 kW
Latent Capacity .....	18,7 kW

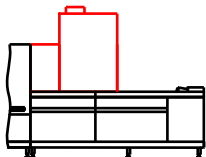
### T2 - 1200 mm AS Blower Dryer



The air for the dryer is heated in a battery with heaters and blown on the dishware from the upper side.

Module length .....	1200 mm
Dryer fan power input .....	0,42 kW
Dryer heaters .....	9,0 kW
Sensible Capacity .....	20,0 kW
Latent Capacity .....	18,7 kW

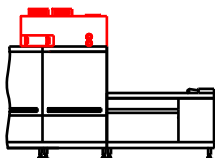
### 800 mm ARC Blower Dryer with Heat Recovery Unit



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

Total connection load becomes (cold water connection) .....	55,5 kW	●
Module length .....	800 mm	
Sensible Capacity .....	11,1 kW	Latent Capacity .....
		17,6 kW
Dryer Fan power input .....	0,42 kW	Dryer heaters .....
		9,0 kW
Single point air extraction .....		

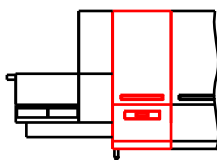
### WP9.2 Heat Pump for One Tank Heating and Rinse Preheating



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

Total connection load becomes (cold water connection) .....	32,8 kW	●
Sensible Capacity .....	9,6 kW	
Latent Capacity .....	7,9 kW	
Single point air extraction .....		

### DHM Automatic Pre-Scraping System



600mm Prewash section c/w pump and extractable drawer filtering system

Module length .....	600 mm
Wash pump .....	0,30 kW
Tank volume .....	22 l

## 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%.

### **Sanitizing System**

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

### **RCD Rinse Control Device**

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

### **DHM**

Additional prewash section c/w extractable drawer filtering system, removable with machine in operation (no downtime). Tank water periodically integrated with mains water. Replaces the extractable filters in the load section of the selected model.

### **Rinse Aid Injector**

### **Sanitizing System - each additional tank**

### **Booster pump for Sanitising system**

### **TD Thermo disinfection**

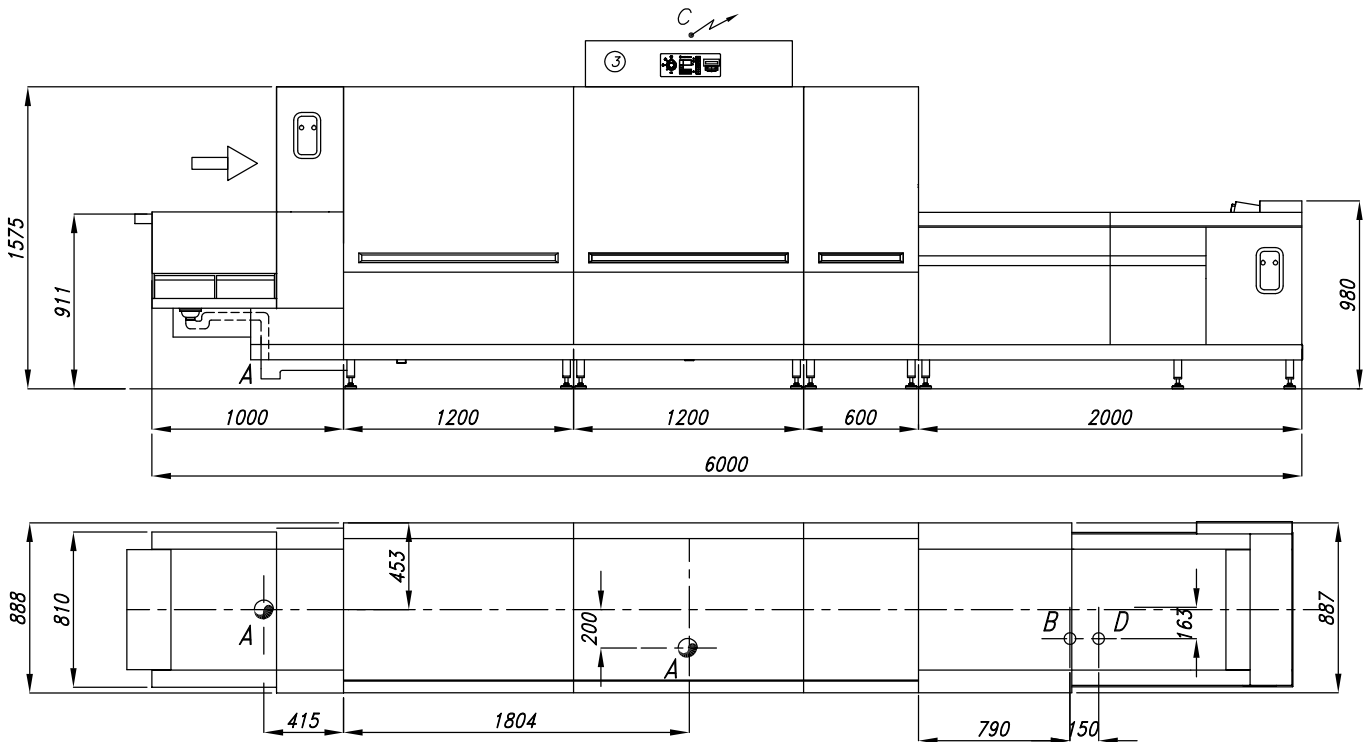
### **Liquid Detergent Injector**

### **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**

## 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.