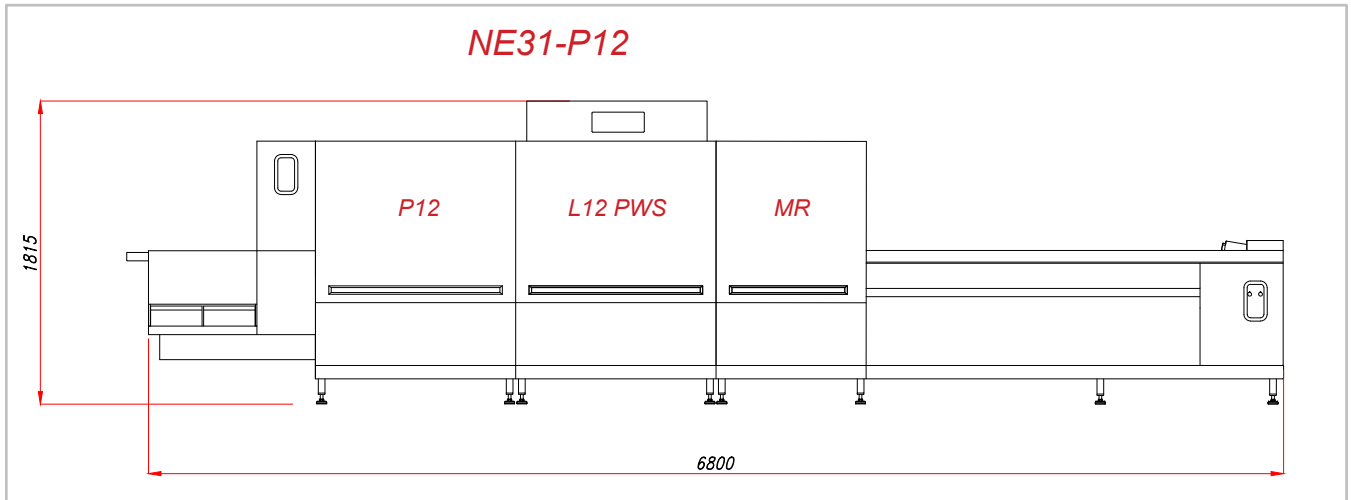


Flight type dishwashers – NE31-P12



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 and

Upper/Lower APWS Wash - MR9 Multirinse, APRS, RAH - 2500mm unload section c/w splash shield with start/stop buttons and emergency switch - top mounted backlit controls, TECH+ Control Panel, EOR, Autotimer, HPS Easy: time, water and energy consumption counter

Key features

Conveyor speed (Minimum) 1,64 m/min
 Conveyor speed(DIN 10510) 1,83 m/min
 Conveyor speed (Maximum) 2,46 m/min
 Rinse water consumption 164 l/h
 Tank capacity 238 liters
 Total length 6800 mm

Power supply 400V 3N~
 Frequency 50/60 Hz
 Unit connection load (hot water) 41,0 kW ●
 Unit connection load (cold water) 49,0 kW ●
 Sensible capacity 7,8 kW
 Latent capacity 13,4 kW

Standard features

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

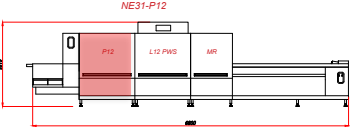
Conveyor belt drive system

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.

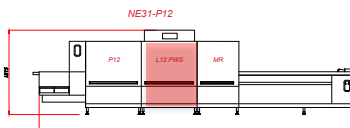
Standard configuration



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.

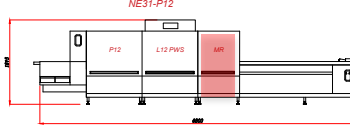
Module length	1200 mm
Wash pump	2,20 kW
Tank heater	9,0 kW
Tank volume	100 l



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.

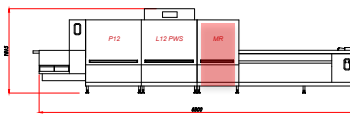
Module length	1200 mm
Wash pump	2,20 + 1,50 kW
Tank heater	24,0 kW
Tank volume	100 l



MultiRinse

This patented multistage rinsing system significantly reduces water consumption.

Module length	900 mm
Wash pump	2 x 0,48 kW
Tank heater	6,0 kW
Tank volume	2 x 14 l



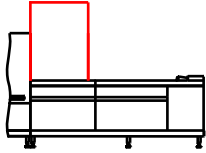
Rinse

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

Rinse water flow (@ DIN speed)	110 l/h
Rinse water flow (@ Maximum speed)	164 l/h
Booster heater (@ 55°C)	10,0 kW ●
Booster heater (@ 15°C)	18,0 kW ●

Accessories

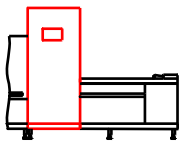
800 mm AS Blower Dryer



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	20,9 kW
Latent Capacity	16,9 kW

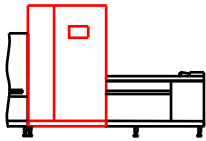
T1 - 800 mm AS Blower Dryer



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	20,9 kW
Latent Capacity	16,9 kW

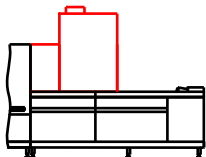
T2 - 1200 mm AS Blower Dryer



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	20,9 kW
Latent Capacity	16,9 kW

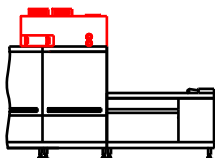
800 mm ARC Blower Dryer with Heat Recovery Unit



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

Total connection load becomes (cold water connection)	52,5 kW	●
Module length	800 mm	
Sensible Capacity	12,0 kW	Latent Capacity
		15,8 kW
Dryer Fan power input	0,42 kW	Dryer heaters
		9,0 kW
Single point air extraction		

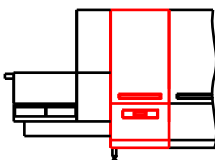
WP9.2 Heat Pump for One Tank Heating and Rinse Preheating



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

Total connection load becomes (cold water connection)	25,8 kW	●
Sensible Capacity	10,9 kW	
Latent Capacity	8,1 kW	
Single point air extraction		

DHM Automatic Pre-Scrapping 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

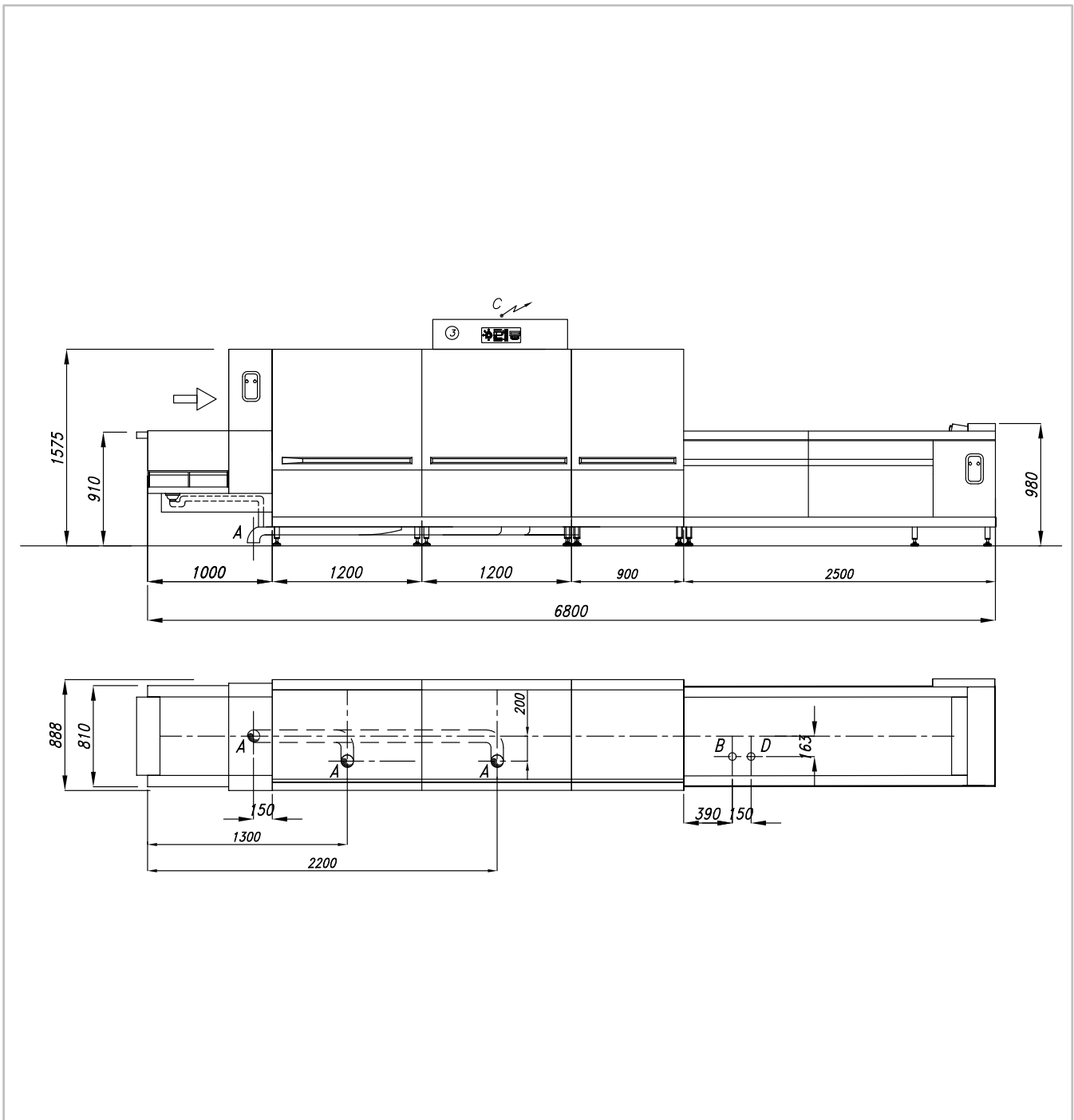
Liquid Detergent Injector

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.