

Warewashing Undercounter Dishwasher with Atmospheric Boiler & Water Softener

ITEM # _____

MODEL # _____

NAME # _____

SIS # _____

AIA # _____



Warewashing

Undercounter Dishwasher with Atmospheric Boiler & Water Softener

400145 (NUC3WS)

Undercounter dishwasher, single skin with atmospheric boiler (4,5 kW), water softener and powered boiler, 540d/h

Short Form Specification

Item No.

304 AISI stainless steel front and side panels, door, control panel and wash tank. Double skinned door. Wash tank with rounded corners. Wash arms and jets in polypropylene, easy to remove. 2 wash cycles 120/180 seconds. Soft start wash pump to avoid accidental breakage of dishes/glasses. Washing system with rotating washing arms, large capacity wash pump and tank volume. Built-in atmospheric boiler (4,5 kW), 5,8 liter capacity, with rinse pump to guarantee a constant hot rinse temperature of 84°C. Boiler with 304 welding for protection against corrosion. Double-sized built-in water softener with external salt loading tap (for continuous use up to 4 hours before regeneration). Electronic controls with temperature display. External connecting box protected by a waterproof plastic cover. High efficiency air gap (class A) in water inlet circuit to avoid water being syphoned back into the network as a result of a sudden drop in mains pressure. Self-cleaning cycle. Rinse aid dispenser. Pre-arranged for drain pump kit. Pre-arranged for connection on site to an external detergent dispenser.
Hourly capacity: 540 dishes/30 baskets mm500x500.
Supplied with: n. 1 basket for plates and n. 1 cutlery holder.

Main Features

- Built-in atmospheric boiler with rinse booster pump to provide constant water temperature and pressure for rinsing, independent from water inlet.
- Equipped with water softener having double sized resin containers for longer operating hours (up to 4 hours constant use) and long-lasting wash cycles without regeneration.
- Incorporated Soft Start feature to offer additional protection to more delicate items.
- Washing system endowed with rotating washing arms, high powered wash pump and large capacity boiler for professional washing.
- 4 second (variable) pause after washing and before rinsing ensures that no drops of unclean water will fall on the clean items at the end of the rinsing cycle.
- Fully automatic self-cleaning cycle avoids the risk of bacteria proliferation.
- 120/180 seconds cycle.
- Easy to remove wash/rinse arms and filter.
- Simple control panel with digital display allows on-site personalization of washing and rinsing cycle times and temperatures as well as precise rinse aid and detergent quantities to suit customer's needs.
- Digital display with on/off and regeneration button, clean cycle and/or drain (when pump installed).
- IPX 4 water protection.
- Pre-arranged to accept external dispensers.
- Pre-arrangement for HACCP system implementation and Energy Management device.
- Three phase or single phase electrical connection, convertible on-site.

Construction

- Unit to feature smooth surfaces to facilitate cleaning.
- 304 stainless steel boiler with higher welding protection to increase resistance to corrosion.
- PVC water supply hose with metal connections resistant to high water pressure.
- Completely closed on the back by a cover plate.
- Front and side panels, door and wash tank made in heavy duty anti-corrosive AISI 304 stainless steel.

Included Accessories

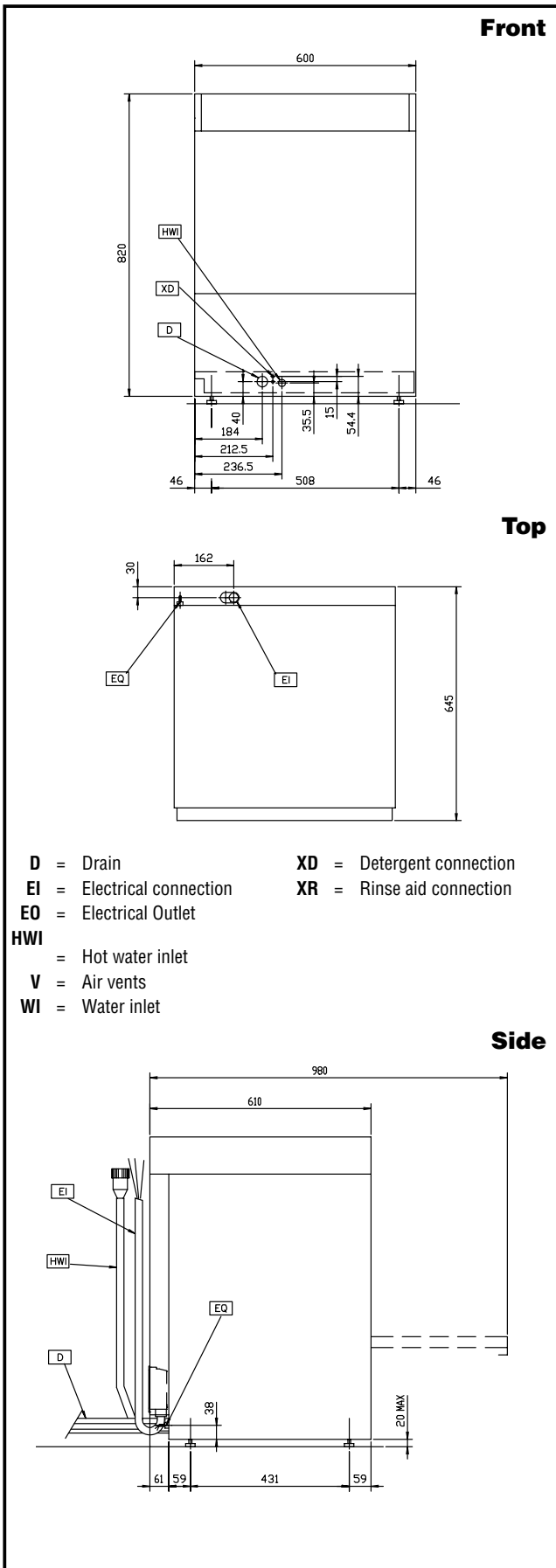
- 1 of Yellow cutlery container PNC 864242
- 1 of Basket for 18 dinner plates - yellow PNC 867002

Optional Accessories

- Stand for undercounter dishwasher PNC 860418
- External detergent level probe kit PNC 864004
- External rinse aid level probe kit PNC 864005
- Drain pump kit for 50Hz dishwashers PNC 864012
- Stainless steel inlet hose kit PNC 864016
- Kit to measure total/partial water hardness PNC 864050
- Detergent pump kit PNC 864218
- Stainless steel tank filter for single skin undercounter PNC 864222
- Yellow cutlery container PNC 864242

APPROVAL: _____

- Aisi 304 stainless steel back panel for standard undercounter with water softener PNC 864297
- Filter for total demineralization PNC 864367
- Pressure reducer for single tank dishwasher PNC 864461
- Half size basket universal PNC 864527
- Half size basket for plates PNC 864528
- Half size basket for glasses PNC 864529
- Set of 4 yellow cutlery containers PNC 865574
- Basket for 18 dinner plates - yellow PNC 867002
- Basket for cups and coffee cups (24-48 pcs) - blue PNC 867007
- Cover grid for small/light items in rack PNC 867016
- Basket for 16 glasses max. height: 70 mm - blue PNC 867023



Electric

| | |
|---------------------------------|-------------------|
| Supply voltage: | |
| 400145 (NUC3WS) | 400 V/3N ph/50 Hz |
| Convertible to: | 230V 3~; 230V 1N~ |
| Total Watts: | 5.35 kW |
| Boiler heating elements: | 4.5 kW |
| Tank heating elements: | 2 kW |
| Wash pump size: | 0.736 kW |

Water:

| | |
|--|--------------------------|
| Pressure, bar min/max: | 1-7 bar |
| Water supply temperature: | 50 °C |
| Inlet Water supply pressure: | 15 - 102 psi (1 - 7 bar) |
| Water consumption per cycle (lt): | 3.3 |
| Working cycles time (sec.): | 120/180 |
| Boiler Capacity (lt): | 5.8 |
| Tank Capacity (lt): | 33 |
| Drain line size: | 40 mm |
| Washing cycle temperature: | 55-65 °C |
| Washing tank capacity (lt): | 33 |
| Hot rinse cycle duration (sec.): | 16 |
| Hot rinse cycle temperature: | 85 °C |
| Hot rinse cycle water consumption (lt): | 3.3 |

Key Information:

| | |
|-------------------------------------|----------------|
| Baskets per hour: | 30 |
| Dishes per hour: | 540 |
| Wash temperature (MIN): | 55-65°C |
| Rinse temperature (MIN): | 85 °C |
| External dimensions, Height: | 820 mm |
| External dimensions, Width: | 600 mm |
| External dimensions, Depth: | 610 mm |
| Packaging size (WxDxH): | 600x610x820 mm |
| Noise level: | <70 dBA |
| N° of working cycles - sec.: | 2 (120/180) |
| Cell dimensions - width: | 500 mm |
| Cell dimensions - depth: | 500 mm |
| Cell dimensions - height: | 330 mm |