

**Warewashing
Undercounter, pressure boiler, single
skin, multi-rack support, drain pump,
det&rinse aid disp,540d/h**

ITEM # _____

MODEL # _____

NAME # _____

SIS # _____

AIA # _____

**400227 (ZL1GMS)**

Undercounter Dishwasher
with pressure boiler, single
skin, multi-rack support, built-
in drain pump, detergent and
rinse aid dispensers, 1 phase,
540d/h

Short Form Specification**Item No.** _____

Unit shall be Undercounter dishwasher type hot water rinsing using rack dimension of 500*500mm. Electrical characteristics to be 230 volts single phase 50Hz operation. Washing performance is ensured by a powerful wash pump, large capacity wash tank, upper and lower revolving spray arms. Soft start wash pump to avoid accidental breakage of crystal wares. Rinse temperature and pressure guaranteed by built in pressure boiler. Uses 3 liters of clean water per final rinse. Two automatic cycles for different types of wares. Double skin insulated door. Double rack support suitable for standard 500x500 mm or 17"x17" (435x435 mm) racks. 304 AISI stainless steel construction to include door, external panels, frame and wash tank. Electronic control with temperature display. Automatic self-cleaning cycle. The unit shall include drain pump, detergent and rinse aid dispenser pumps and is equipped with electric cable.

Main Features

- Built-in pressure boiler sized to raise incoming 50 °C water to guarantee a minimum rinsing temperature of 82 °C for sanitizing rinse. No external booster is required.
- 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.
- 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.
- Simple service from the front.
- IPx4 water protection.
- Pre-arrangement for HACCP system implementation and Energy Management device.
- An effective rinse system uses only 3 liters of clean hot water per basket for lower running costs.
- Digital read-out keeps operator informed as to temperatures.
- State-of-the-art electronic controls with built-in programming, self-diagnostics for serviceability and automatic interior self-cleaning cycle.
- Unique temperature interlock guarantees required temperatures in both the wash and final rinse in case of emergency cold water feeding.
- Washing capacity of 30 baskets or 540 dishes per hour.
- Built-in rinse aid and detergent dispenser with automatic initial and continuous cycle loading for perfect result while minimizing service and maintenance needs.
- Provided with a double rack support allowing the use of 500x500 mm or 17"x17" (435x435 mm) racks.

Construction

- Unit to feature smooth surfaces to facilitate cleaning.
- Element protection from dry fire and low water.
- Interchangeable wash/rinse arms screw out for simple clean up.
- The boiler drain facilitates the evacuation of stagnant water after long periods of inactivity to ensure a higher level of hygiene.
- Double skin insulated door to reduce heat dispersion.
- Front and side panels, door and wash tank made in heavy duty anti-corrosive AISI 304 stainless steel.
- 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.
- Large wash tank with round corners and no pipes to avoid dirt built-up.
- Single phase electrical connection.
- Incorporated drain pump to control water level in wash tank draining.

APPROVAL: _____



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- Unit to feature drain pump, rinse aid and detergent dispenser pumps.



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The company reserves the right to make modifications to the products
without prior notice. All information correct at time of printing.

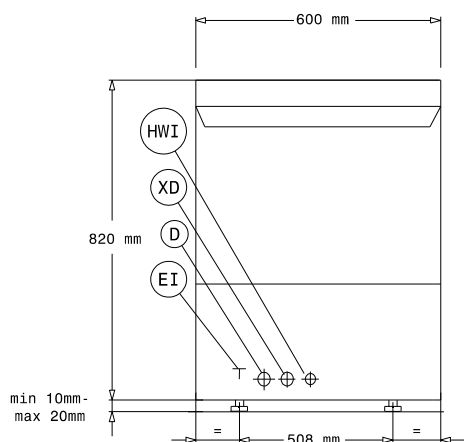
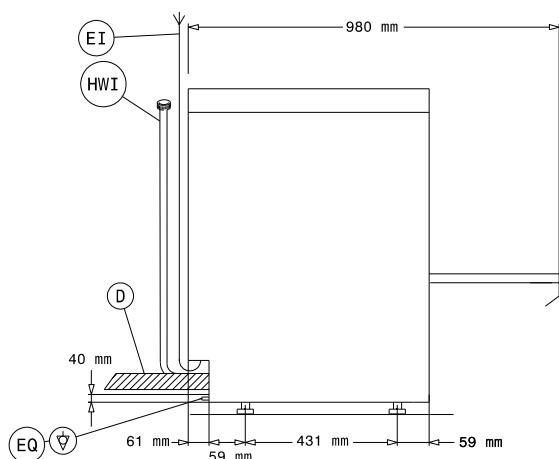
2023.03.02

Included Accessories

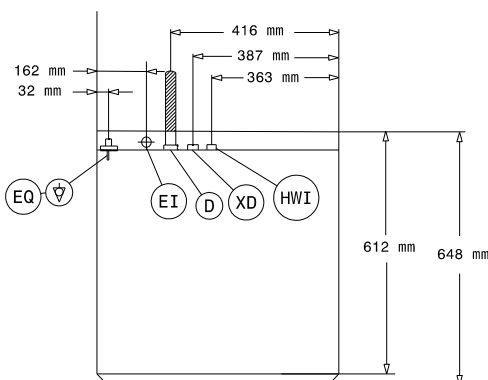
- 1 of Stainless steel tank filter for single skin PNC 864222 undercounter
- 1 of Yellow cutlery container PNC 864242
- 1 of Basket for 18 dinner plates or 27 side plates (max. diam. 240 mm) PNC 867002

Optional Accessories

- | | | |
|---|------------|--------------------------|
| • External manual water softener - 12 lt | PNC 860412 | ☐ |
| • External automatic water softener - 8 lt | PNC 860413 | ☐ |
| • Stand for undercounter dishwasher | PNC 860418 | ☐ |
| • External detergent level probe kit | PNC 864004 | ☐ |
| • External rinse aid level probe kit | PNC 864005 | ☐ |
| • Kit 4 flanged feet for undercounter dishwashers | PNC 864009 | ☐ |
| • Stainless steel inlet hose kit | PNC 864016 | ☐ |
| • Filter for partial demineralization | PNC 864017 | ☐ |
| • Kit to measure total/partial water hardness | PNC 864050 | ☐ |
| • Rinse booster pump kit for single tank pressure dishwasher | PNC 864051 | ☐ |
| • Detergent pump kit | PNC 864218 | ☐ |
| • Yellow cutlery container | PNC 864242 | ☐ |
| • Pressure reducer for single tank dishwasher | PNC 864461 | ☐ |
| • Connectivity kit for Undercounter, Utensil and Pot&Pan Washers (ECAP) | PNC 864479 | ☐ |
| • Set of 4 yellow cutlery containers | PNC 865574 | ☐ |
| • Basket for 18 dinner plates or 27 side plates (max. diam. 240 mm) | PNC 867002 | ☐ |
| • Basket for cups and coffee cups (24-48 pcs) - blue | PNC 867007 | ☐ |
| • Cover grid for small/light items in rack | PNC 867016 | ☐ |

Front

Side


- D** = Drain
EI = Electrical inlet (power)
EO = Electrical Outlet
HWI = Hot water inlet
XD = Detergent connection
XR = Rinse aid connection

Top

Electric
Supply voltage:

400227 (ZL1GMS) 230 V/1 ph/50 Hz

Default Installed Power:

3.65 kW

Boiler heating elements:

2.8 kW

Tank heating elements:

2 kW

Wash pump size:

0.736 kW

Water:
Pressure, bar min/max:

2-3 bar

Water supply temperature*:

65 °C

Drain line size:

20.5mm

Inlet Water supply pressure:

29 - 44 psi (2 - 3 bar)

Washing tank capacity (lt):

33

Water consumption per cycle (lt):

3

Boiler Capacity (lt):

5,8

Key Information:
Baskets per hour*:

40

Dishes per hour:

540

Working cycles time (sec.):

90/180

Wash temperature:

55-65°C

Cell dimensions - width:

500 mm

Cell dimensions - depth:

500 mm

Cell dimensions - height:

330 mm

Rinse temperature:

80-90 °C

External dimensions, Width:

600 mm

External dimensions, Depth:

648 mm

External dimensions, Height:

820 mm

Packaging size
(WxDxH):

740x670x1020 mm

Noise level:

<70 dBA