

Warewashing

Single rinse Rack Type dishwasher, 100 racks/hour, electric

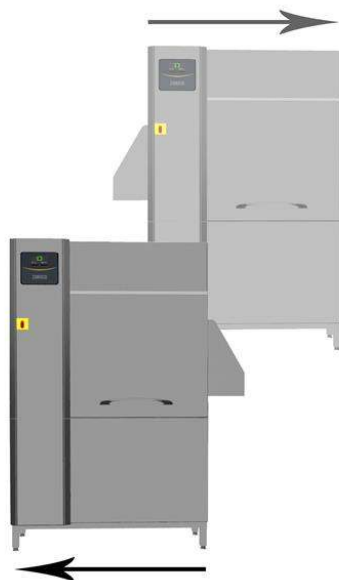
ITEM # _____

MODEL # _____

NAME # _____

SIS # _____

AIA # _____

**534408 (ZSR10E5)**

Single rinse rack type
dishwasher, 100 racks/hour,
electric, touch screen,
insulated doors, customized
direction on-site, 50Hz

Short Form Specification

Item No.

Unit to be Zanussi single rinse rack type dishwasher. Single rinse with built-in stabilized pressure valve ensures the right rinsing pressure for optimum hygiene results. Maximum Water Contact (MWC) wash arms are positioned along the full length of the wash tank. Powerful wash pump and specially designed wash spray arms guarantee cleaning. Washing is done with water circulating at 55-65°C. Final rinsing is done with clean water heated up to 85°C. Low rinse water consumption of 1.5 liter per rack at maximum speed of 100 racks/hour. Once conveyor speeds of 100 racks per hour. Intuitive touch screen control panel provides easy communication on different levels. Large counter-balance door has heat and noise insulation with easy internal access. Operating direction of the machine is decided by customer on-site depending on the layout flow with pre-arranged right to left from the factory.

Main Features

- IP25 protection against water jets, solid objects and small animals (larger than 6 mm).
- Intuitive touch screen control panel features user-friendly display to easily operate the machine and to monitor machine status. Three different levels of interaction are available each show relevant messages and information to the operator, the general maintenance staff and the authorized service partners.
- All internal components: wash and rinse arms, tank filters, curtains can be easily removed for cleaning.
- Unit equipped with USB port making it simple to read data such as machine identification, counters and consumption, components, devices and alarm logs. Machine parameters can be uploaded and downloaded and firmware updated.
- Maximum capacity per hour of 100 racks.
- Large counter balanced inspection door allow unrestricted all-round access to the wash and rinse area. Door is insulated with injected foam. This adds strength as well as reduces noise and heat loss.
- One conveyor speed can be selected through the control panel by the operator.

Construction

- Adjustable feet for full access underneath the machine for cleaning.
- Deep drawn pressed wash tank with fully rounded corners, sloped towards the drain to prevent dirt buildup, provides fast drainage in just a few minutes. With no welding points the pressed tank offers a guaranteed water tight solution.
- Dishwasher structure is held together with a solid 50 x 50 mm stainless steel frame to provide long-term sturdiness.
- All electric components are put in one IP65 central box isolated from water and steam to ensure high reliability.
- External pre-arrangement for inlet water, drain water, detergent & rinse aid connections for fast and easy installation on both sides of the unit.
- All main components made in heavy duty anti-corrosive 304 type stainless steel: external front, side panels and internal chambers, wash and rinse arms, doors and rack transportation system.
- The feeding direction is right to left as pre-arrangement from the factory, but it can be simply reversed on-site to left to right.
- The unit is built on modularity concept for easy to add dryer module on-site.
- <p>The machine runs at DIN 10510 compliant speed.</p>
- <p>Reference norm used to measure the noise: IEC60335-2-58 annex AA.</p>

Sustainability

- Auto-start/stop equipped in different zones ensures that the zone runs only when a rack is passing through it. This reduces water, energy, chemical consumption and noise.
- All chambers without internal pipes and therefore no

APPROVAL: _____

hidden dirt traps.

- Single rinse with stabilized pressure valve guarantees rinse water consumption of 1.5 liters/ rack regardless of inlet water pressure to ensure low energy, water, detergent and rinse aid consumption.
- Built-in stabilized pressure valve ensures constant pressure throughout the rinsing cycle regardless of inlet water pressure.
- Self-draining vertical wash pumps provide maximum hygiene.
- Automatic back-up mode is activated when a failure occurs. Guided troubleshooting for fast fixes including 150 precises notifications and 23 easy-to-follow processes.

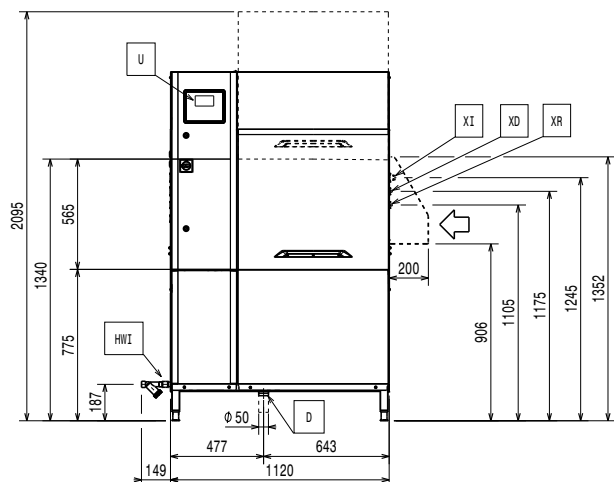
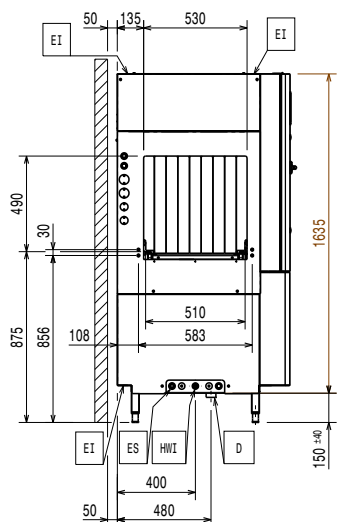
Included Accessories

- 1 of IoT module for OnE Connected (combi ovens, blast chiller/freezers, rack type DW) and Match (one IoT board per appliance - to connect oven to the blast chiller for Cook&Chill process). PNC 922421

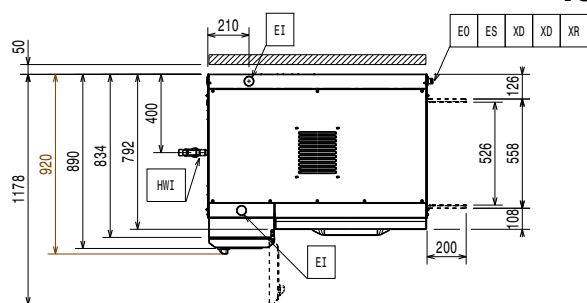
Optional Accessories

- Medium hot air blower zone without door for single rinse Rack Type dishwasher, 50Hz & 60Hz PNC 534059 ☐
- Corner drying zone for single rinse Rack Type dishwasher, 50Hz & 60Hz PNC 534411 ☐
- ESD for single-rinse Rack Type dishwasher, electric PNC 864478 ☐
- Basket for 18 plates up to 240 mm - grey PNC 864532 ☐
- Basket for cutlery with 8 dividers - grey PNC 864533 ☐
- Emergency stop kit for Rack Type Dishwasher PNC 865162 ☐
- End limit switch for short roller conveyor PNC 865218 ☐
- Connection bracket for plain undershelf and grid undershelves (to be used if roller conveyor is connected directly to Rack Type dishwasher with splash hood) PNC 865235 ☐
- End limit switch for long roller conveyor (kit with two short rollers and end switch) PNC 865256 ☐
- Kit of hot water softener for Rack Type dishwasher PNC 865495 ☐
- Splash hood kit for single and dual rinse Rack Type dishwasher, 200 mm PNC 865498 ☐
- Silicon curtains for single and dual rinse Rack Type dishwasher PNC 865503 ☐
- Reinforcement kit for lower washing arms and ramps for Single, Double and Multi Rinse Rack Type PNC 865513 ☐
- Set of 6 baskets: 2 for trays, 2 for plates, 1 for cutlery and 1 for cups PNC 867050 ☐
- Set of 9 baskets: 2 for trays, 3 for plates, 2 for cutlery and 2 for cups PNC 867051 ☐

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Front

Side


- D** = Drain
EI = Electrical inlet (power)
EO = Electrical Outlet
EQ = Equipotential screw
ES = Electrical signal IN/OUT
HWI = Hot water inlet
U = USB port

Top


Electric

Supply voltage:	380-415 V/3N ph/50 Hz
Default Installed Power:	25.2 kW
Boiler heating elements:	12 kW
Wash pump size:	1.18 kW
Wash tank heating elements:	12 kW

Water:

The higher the temperature, the faster the warm up. When there is ESD option installed, the machine should be connected to cold water up to 30°C.

When below 7°F/4°C special detergent and rinse aid are needed.

Inlet hot water line size:	G 3/4"
Inlet cold water line size:	
Drain line size:	50mm
Inlet water supply pressure:	1.5-7 bar
Inlet water supply temperature (wash and rinse):	50 - 65°C
Inlet water supply hardness:	5-8 °fH / 2.8-4.5°dH
Flow rate of wash pump:	400 l/min
Wash tank size:	70 l

Key Information:

For transportation purpose only, the depth can be reduced to either 890mm by removing the main switch button or 792mm by removing the control box and the door handle.

Reference norm used to measure the noise: IEC60335-2-58 annex AA.

Height with door open:	2095 mm
Charging hole size (width):	530 mm
External dimensions, Width:	1120 mm
External dimensions, Width:	44 1/16" (1120 mm)
External dimensions, Depth:	920 mm
Charging hole size (height):	490 mm
Wash Temperature:	55 - 65 °C
Shipping height:	1970 mm
Shipping width:	1060 mm
Shipping depth:	1260 mm
Shipping volume:	2.63 m³
Table to table distance:	1120 mm
Productivity per hour (max speed):	100racks/1800dishes
Final rinse temperature:	85 °C

Air Emission:

Air humidity (top, exit):	
534408 (ZSR10E5)	100 / 100 % r.h.
Latent heat:	
534408 (ZSR10E5)	8800 W
Sensible heat:	4500 W
Air flow (top, exit):	107 / 107 m³/h
Air temperature:	45 - 45 °C

The data is measured at exhaust points at 25°C and 60% r.h. ambient conditions, 18°C inlet water temperature and refer only to the machine.

This model requires a ventilation hood. Please refer to the attached "Recommended Exhaust Hood Design"

Sustainability

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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.



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**Rinse water consumption at max.
speed (l/h):**

150 l/h

Noise level:

<62 dBA



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