

Warewashing

Electric Rack Type Dishwasher with 2 Speeds & Pressure Boiler - 180 r/hr

ITEM # _____

MODEL # _____

NAME # _____

SIS # _____

AIA # _____


534308 (WTCS180ERB)

Rack type dishwasher, electric, r>l, 2 speeds, pressure boiler, insulated, 180b/h

534309 (WTCS180ELB)

Rack type dishwasher, electric, l>r, 2 speeds, pressure boiler, insulated, 180b/h

Short Form Specification

Item No. _____

304 AISI stainless steel front and side panels, strainers and wash and rinse arms. Pressed prewash (45 liters) and wash tank (100 liters) for easier cleaning. Washing tubes in stainless steel. Double-skinned construction and counter balanced doors. Built-in pressure boiler. Self draining wash pump. Automatic start/stop function. Detached prewash. Wash and single rinse in one compact module. 2 speeds variable on installation. Electric heating. HACCP autodiagnostic check control. Feeding direction: right to left.
 Hourly capacity: 1st speed 3240 dishes/180 baskets; 2nd speed: 2160 dishes/120 baskets.

Main Features

- Washing cycle is carried out with water circulating at a temperature of 55-65 °C, whereas the rinsing cycle is carried out with clean water coming from the water system, heated to a max. temperature of 80-90 °C.
- Pressure boiler.
- Speed of conveyor can be set through the control panel by the operator. 120 racks/hr or 180 racks/hr.
- Large counter balanced inspection doors in pre wash and wash/ rinse sections 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.
- Large filters sloping towards the front to the smaller pressed filter box for quick removal. Filters feature holes smaller than the concave ant-block wash nozzles so large food cannot enter and block the wash system. Filters easy to remove from pre wash as well as wash/rinse sections.
- Adjustable feet for full access underneath the machine for cleaning.
- Push button self cleaning cycle of the wash and rinse zones for ease of "end of day" cleaning.
- Wash chamber without internal pipes and therefore no hidden dirt traps.
- Pre wash chamber without internal pipes and therefore no hidden dirt traps.
- Self-draining wash pumps provide maximum hygiene and all wash and rinse zones drain automatically at the push of a button.
- Powerful 0.3 hp (0.23 kW) pre wash pump.
- Powerful 1.3 hp (1.0 kW) wash pump.
- Pre wash section uses cold water so food remains are not "baked" onto the plates.
- Deep drawn pressed wash tank with fully rounded corners, sloped towards the drain to prevent dirt build up provides fast drainage in only a few minutes. Pressed wash tank with no welded points offer a guaranteed water tight solution.
- Deep drawn pressed 45 liter pre wash tank with fully rounded corners.
- Dishwasher structure is held together with a solid 50 x 50 mm stainless steel tube sub-frame to provide long term sturdiness.
- All main components made in heavy duty anti-corrosive 304 type Stainless steel: tanks, front and side panels, pre wash, wash & rinse arms and caps, doors, front, handle and rack transportation system.
- Pre wash, wash and rinse arms can be easily removed for cleaning.
- IPX5 water protection.
- Auto-start/stop ensures that the zone runs only when a rack is passing through it. This reduces both water, energy consumption and noise.
- Electronic control panel features large display to read wash and rinse temperatures.
- Low water consumption. At 180 racks per hour, the machine uses only 255 liters/hr.
- Machine predisposed for external detergent and

APPROVAL: _____



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rinse aid connections.

- Built-in rinse water heater to increase the temperature of the final rinse water.



Optional Accessories

- Drain kit for modular and compact rack type dishwashers PNC 864150
- Sanitization kit for WTC180 PNC 864161
- Kit of 12 stainless steel plugs for washing arms for multi-rinse and compact rack type PNC 864239
- Air gap for compact rack type PNC 864309
- Kit splash hood for Compact rack type dishwasher, to be installed on the right side of the machine - Europe PNC 864475
- Electric hot air blower, 600mm, for compact rack type, right>left (only for 534308) PNC 864506
- Electric hot air blower, 600mm, for compact rack type, left>right (only for 534309) PNC 864507
- Electric drying tunnel, 900mm, with door, for compact rack type, right>left (only for 534308) PNC 864516
- Electric drying tunnel, 900mm, with door, for compact rack type, left>right (only for 534309) PNC 864517
- Electric drying tunnel, 600mm, with door, for compact rack type, right>left (only for 534308) PNC 864518
- Electric drying tunnel, 600mm, with door, for compact rack type, left>right (only for 534309) PNC 864519
- Electric corner drying tunnel, for compact rack type, right>left (only for 534308) PNC 864520
- Electric corner drying tunnel, for compact rack type, left>right (only for 534309) PNC 864521
- Basket for 5 half insulated trays 530x370 mm - red PNC 867005
- 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



Electric

Supply voltage:

534308 (WTCS180ERB) 400 V/3N ph/50 Hz
534309 (WTCS180ELB) 400 V/3N ph/50 Hz

Machine requires one electrical connection.

Max. current absorbed: 42.2 A

Pre wash pump power: 0.20 kW

Wash pump power: 1.0 kW

Water:

Inlet Water supply pressure: 44 - 102 psi (3 - 7 bar)

Inlet Cold Water Supply Temperature for pre wash section: (4-15 °C)

Inlet water supply temperature (wash and rinse):

Inlet Water supply hardness: 14 (°fH) / 8 (°dH)

Incoming Water line size (rinse and pre-wash): G 3/4"

Incoming Hot water line size (wash section): G 3/4"

Drain line size (pre wash section): G 1 1/2"

Drain line size (wash section): G 1 1/2"

Hot Water consumption: Liters/hr: 240 liters/hr

Pre wash temperature:

Pre-wash tank size: 45 l

Pre wash pump water flow: 150 l/min

Wash tank size: 100 l

Wash pump water flow: 300 l/min

Initial fill Hot water requirements: 112 liters

Initial fill Cold Water requirements: 45 liters

Booster heating power: 16 hp (12 kW)

Final Rinse water flow: 240 liters/hr

Hot water booster capacity: 12 liters

Key Information:

Wash Temperature:

Final rinse temperature:

Table to Table connection: 1676 mm

Number of tanks: 1

Air Emission:

Air Flow:

Unit optionally supplied with extended vent hoods.

Exhaust extraction not more than 177 CFM (300 cubic meters/h).

Refer to installation diagram for minimum exhaust hood installation height.

Key Information:

Productivity per hour (max speed):

534308 (WTCS180ERB) 2160 dishes/ trays / 120 Basket

534309 (WTCS180ELB) 2160 dishes/ trays / 120 Basket

Productivity per hour (slow speed):

180Basket/3240dishes

Table to Table connection: 1684 mm

Number of tanks: 2

External dimensions, Width: 1837 mm

External dimensions, Height: 1771 mm

External dimensions, Depth: 884 mm

Height with door open: 2119 mm

Charging hole size (width): 530 mm

Charging hole size (height): 501 mm

Net weight: 533 kg

Shipping weight:

534308 (WTCS180ERB) 446 kg

534309 (WTCS180ELB) 447 kg

Shipping height: 2040 mm

Shipping width: 1040 mm

Shipping depth: 2370 mm

Shipping volume: 5.03 m³

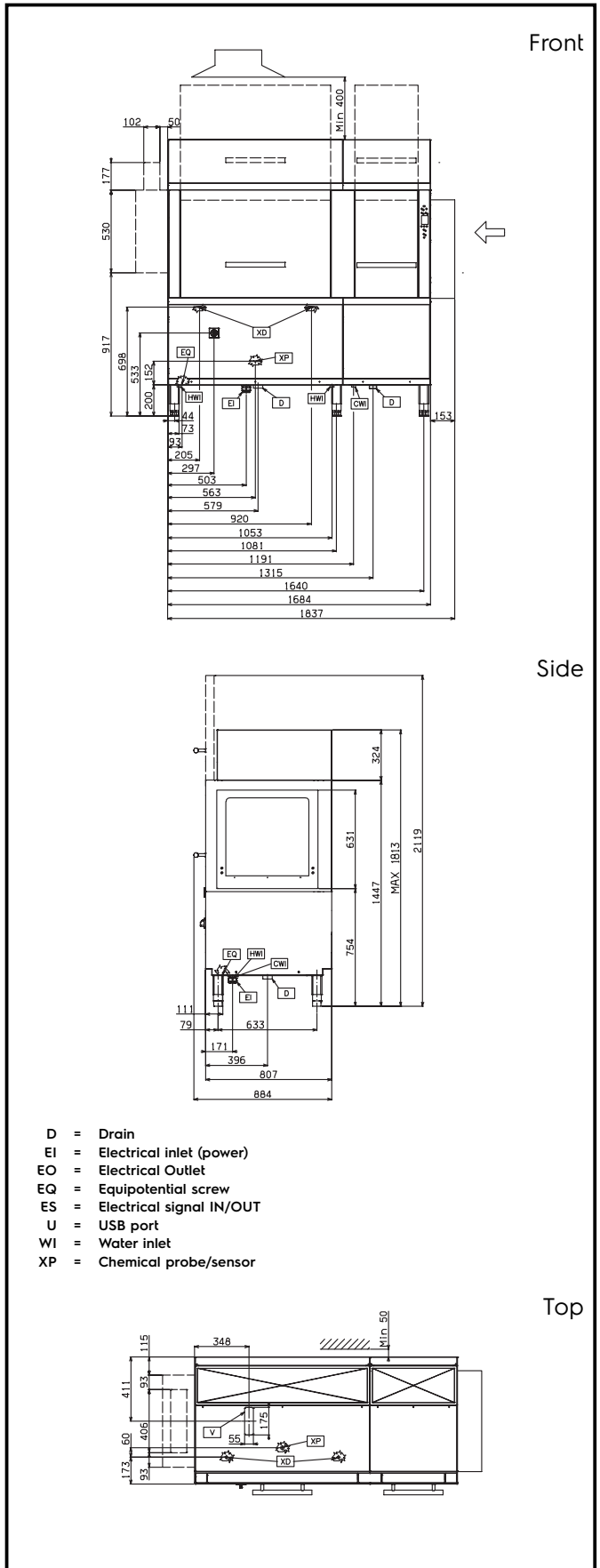
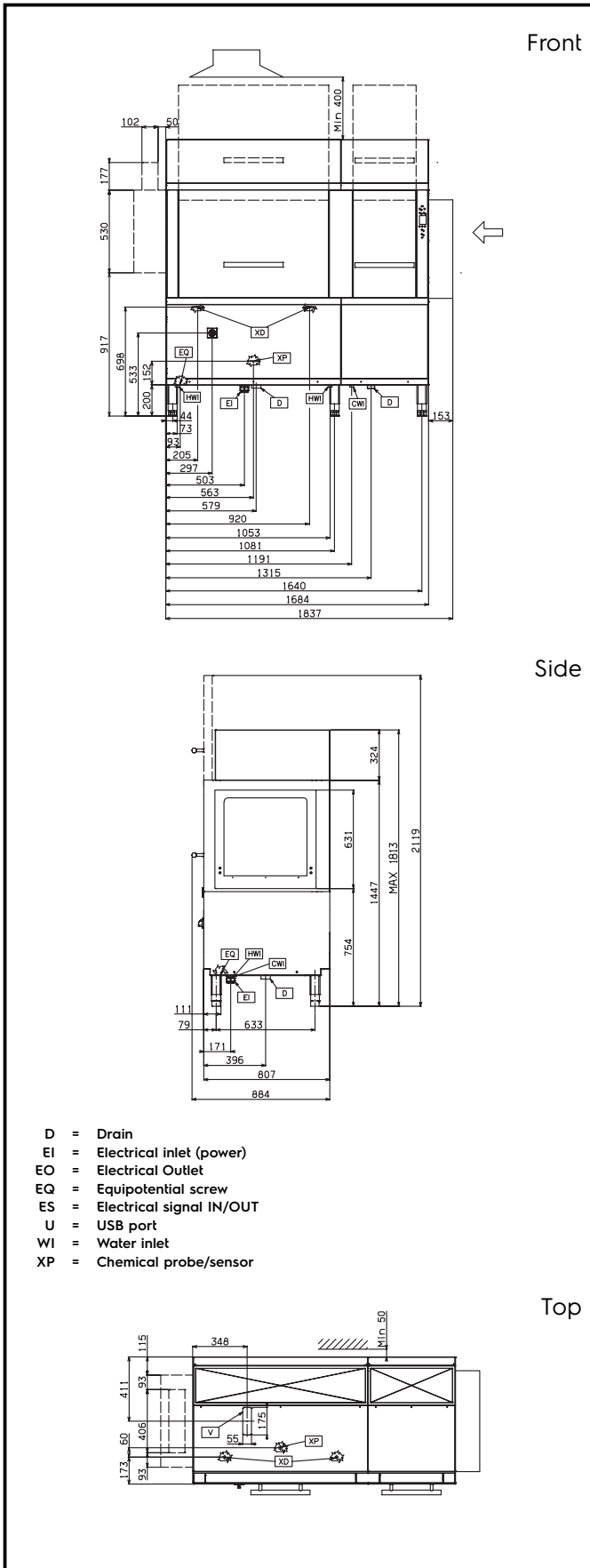
Noise level: <70 dBA

Unit predisposed to accept external detergent dispensers, detergent probes and rinse aid dispensers.



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 The company reserves the right to make modifications to the products
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