

**536007 (ZMR20NELV)**

Multi rinse Rack Type, 200 racks/hour, electric, left>right, ventless heat pump, medium pre-wash, ACTIVE guaranteed rinse system, constant rinse, self cleaning, automatic descaling, advanced filtering system, touch screen, variable speed, insulated doors. Table-to-table length without considering the splash hood is 2340mm

Main Features

- 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.
- Large counter balanced inspection doors 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.
- Self-draining wash pumps provide maximum hygiene and all wash and rinse zones drain automatically at the push of a button.
- IP25 protection against water jets, solid objects and small animals (larger than 6 mm).
- Built-in drain valve in the tanks allows automatic dump and fill to refresh the water in the tank without any interruption of the washing process.
- Multi-stage Advanced Filtering System removes soil from the wash water providing cleaner water and highly active detergent thus ensuring better washing performance and lower running costs.
- Built-in ACTIVE Guaranteed Rinse System is sized to raise water temperature to a minimum of 84°C for sanitizing rinse. No external boiler is required. Built-in air break and rinse booster pump ensure constant temperature and pressure throughout the rinsing cycle regardless of the inlet water condition.
- Three conveyor speeds can be selected through the control panel by the operator and customized on site.
- Pre-wash section uses cold water so food remains are not "baked" onto the plates in order to have better pre-wash performance.
- Extended wash arms are positioned along the full length of the wash tank.
- Multi-rinse arms in combination with double rinse tanks re-use final rinsing water in several phases to ensure hygiene and complete detergent removal on the washed wares.
- 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.
- Automatic drain, clean and sanitize cycles featured as standard. The internal chambers, including the internal doors are completely cleaned or sanitized avoiding bacteria proliferation for maximum hygiene and reducing manual work/time for operator.
- All internal components: wash and rinse arms, tank filters, curtains can be easily removed for cleaning.
- Splashhoods at both entrance and exit avoid water spilling outside the machine.
- 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 200 racks easy to switch to DIN 10510 or NSF ANSI 3 compliant speed.
- Automatic back-up mode is activated when a failure occurs. Guided troubleshooting for fast fixes including 300 precise notifications and 23 easy-to-follow processes.

Construction

- Adjustable feet for full access underneath the machine for cleaning.
- Modularity design allows the machine not only be disassembled for delivery and re-assembled at customer's site, but also to be customized and upgraded on-site and over time.
- 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.
- The unit is built on modularity concept for easy to add pre-wash, wash and up to 2 dryer modules onsite.
- 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.
- Table-to-table length, 2340mm.



A focus on sustainability

Sustainability

- Built-in Ventless Heat Pump transfers the heat captured from the extracted air to heat up incoming cold water to both fill the water tank and rinse, thus saving significantly energy. The humidity, volume and temperature of the exhaust air is reduced dramatically at the same time so no ventilation hood is needed for the machine (depending on local regulation and condition in compliance with VDI 2052).
- Automatic Descaling Cycle ensures total scale removal from the boiler, the hydraulic circuit, the washing chamber and the rinsing chamber allowing ultimate performances and lower energy consumption thanks to highly efficient heating elements.
- Multi-rinse technology guarantees rinse water consumption of 0.4 liters/rack regardless of the conveyor speed to ensure low energy, water, detergent and rinse aid consumption.
- 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 hidden dirt traps.

Certifications & Recognitions



International system for mutual acceptance of test reports and certificates concerning the safety of electrical and electronic components, equipment, and products.



Product assessed by the manufacturer and deemed to meet EU safety, health, and environmental protection requirements.



Product placed on the Great Britain market and complies with UK regulations and standards.



Technical specifications

Electric

Supply voltage:	380-415 V/3N ph/50 Hz
Energy consumption:	19.4 kWh
Wash tank heating elements:	7 kW
Default Installed Power:	24.3 kW
Triple tank heating elements:	3.5 kW
Boiler heating elements:	5 kW
Electrical power min:	17.3 kW
Wash pump size:	1.5 kW

Water:

Peak rate of drain flow (l/s):	1.8
Inlet water line size:	G 3/4" G 3/4"
Inlet cold water line size:	G 3/4"
Drain line size:	50mm
Inlet water supply pressure:	2-7 bar
Inlet Water Supply temperature (rinse):	5 - 30 °C
Inlet water supply temperature (wash and rinse):	5 - 65°C
Inlet water supply hardness:	5-8 °fH / 2.8-4.5°dH
Flow rate of wash pump:	500 l/min
Wash tank size:	70 l
Duo rinse tank size:	20 l
Rinse water consumption:	0 l/rack

Key Information:

Productivity per hour (max. speed):	200 racks/3600dishes
External dimensions, Width:	2940 mm
External dimensions, Depth:	895 mm
Productivity per hour (DIN compliant speed):	148 racks/2664dishes
External dimensions, Height:	2100 mm
Height with door open:	2100 mm
Charging hole size (width):	530 mm
Charging hole size (height):	490 mm
Wash Temperature:	55 - 65 °C
Net weight:	733 kg
Shipping weight (gross):	843 kg
Shipping height:	2260 mm
Shipping width:	3100 mm
Shipping depth:	1035 mm
Shipping volume:	7.25 m³
Table to table distance:	2940 mm
Triple rinse temperature:	70 - 75 °C

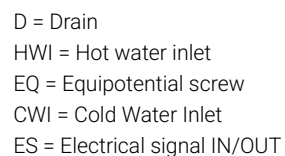
Air Emission:

Air humidity (top, exit):	95 / 0 % r.h.
Latent heat:	3700 W
Sensible heat:	3400 W
Air flow (top, exit):	700 / 0 m³/h
Air temperature:	24.5 - 0 °C

Sustainability

Noise level:	<62 dBA
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Front

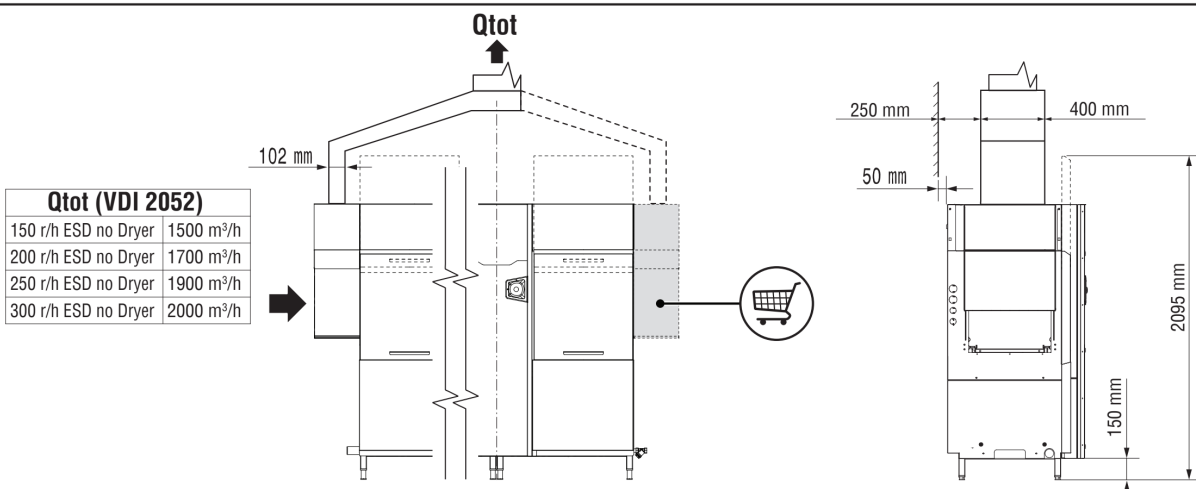


EI = Electrical inlet (power)
 XP = Chemical probe/sensor
 EO = Electrical Outlet
 U = USB port

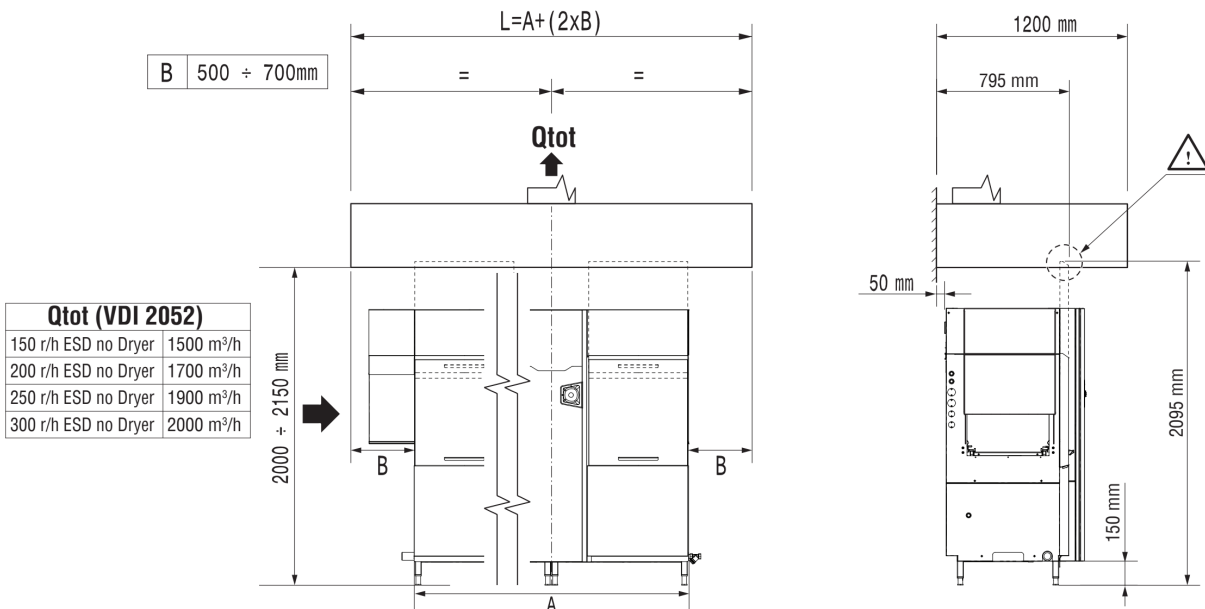
The technical drawings illustrate the dimensions and flow rates for the Ecolab E2000 cabinet. The front view shows a cabinet with a total width of 1200 mm and a height of 2000 + 2150 mm. It features two main sections, Q1 and Q2, each with a width of 1200 mm. A warning symbol is present on the top right. The side view shows a cabinet with a total width of 1200 mm and a height of 2095 mm. It features a main section with a width of 795 mm and a side section with a width of 50 mm. A warning symbol is present on the top right. The flow rates for the sections are indicated as m³/h.

Section	Flow Rate (m³/h)
Q1	m³/h
Q2	m³/h
Q3	m³/h
Q4	m³/h

Qtot (VDI 2052)	
150 r/h ESD no Dryer	1500 m³/h
200 r/h ESD no Dryer	1700 m³/h
250 r/h ESD no Dryer	1900 m³/h
300 r/h ESD no Dryer	2000 m³/h



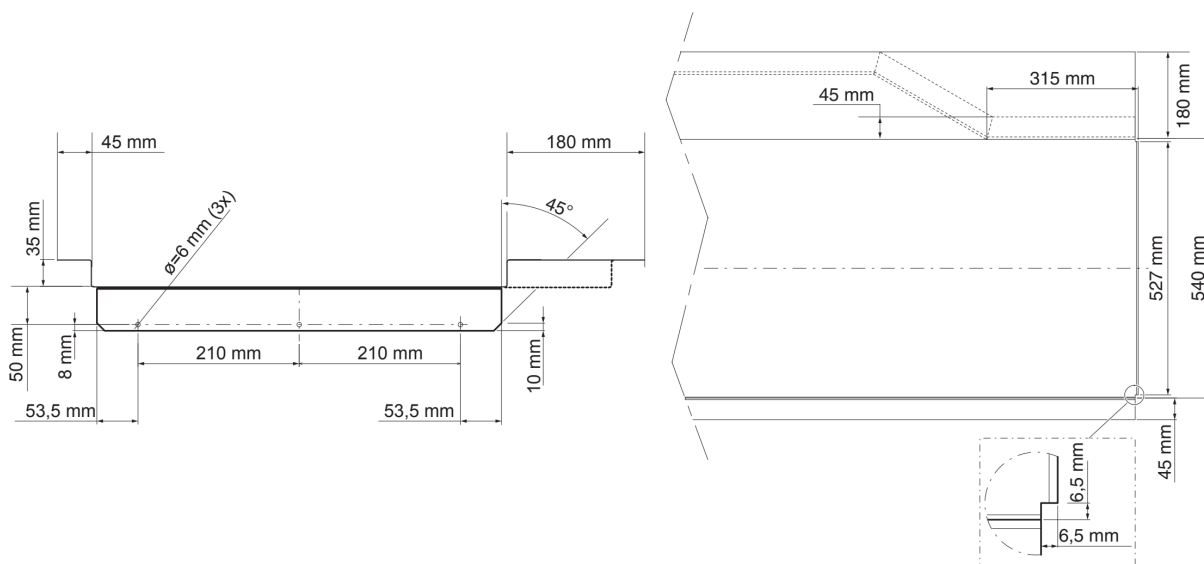
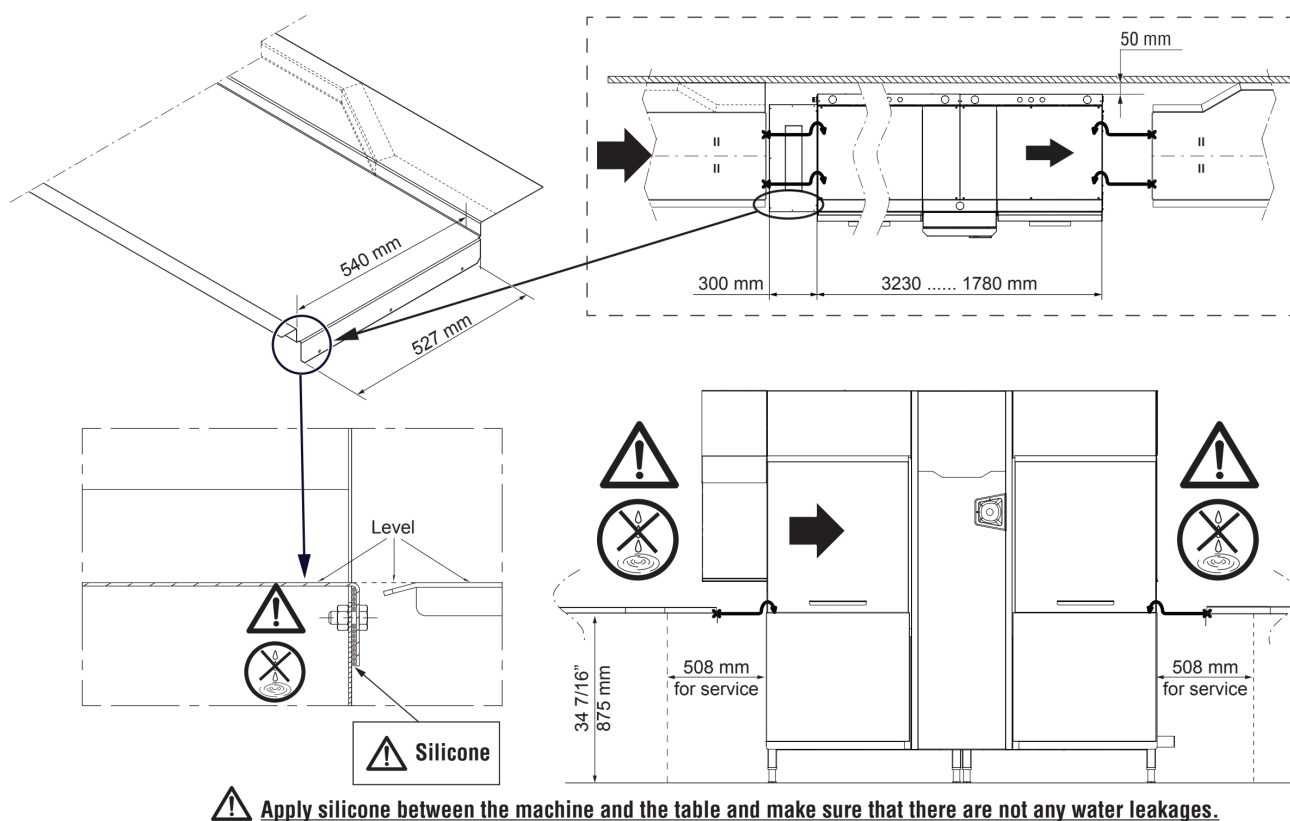
Qtot (VDI 2052)	
150 r/h ESD no Dryer	1500 m³/h
200 r/h ESD no Dryer	1700 m³/h
250 r/h ESD no Dryer	1900 m³/h
300 r/h ESD no Dryer	2000 m³/h



Qtot (VDI 2052)	
150 r/h ESD no Dryer	1500 m³/h
200 r/h ESD no Dryer	1700 m³/h
250 r/h ESD no Dryer	1900 m³/h
300 r/h ESD no Dryer	2000 m³/h

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EDITION 03.2017

RECOMMENDED TABLE CONNECTION



All tables must be connected to the dishwashing units according to local regulations and industry standards which may differ from the recommendations herein suggested. Electrolux Professional is not liable for any failure in complying with local design standards.

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EDITION 02.2017

Accessories

Included Accessories

PNC Code	Description	Quantity
865282	Kit delime for rack type	1
865286	Kit water meter	1
922421	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).	1

Optional Accessories

PNC Code	Description
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Connectivity

865290	Kit electronic connection for motorized table and remote pre-wash module
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Dryers

534056	Medium hot air blower zone without door for Zanussi multi-rinse Rack Type Dishwasher
535033	Medium pre-wash zone for Zanussi multi-rinse Rack Type Dishwasher with Ventless Heat Pump, Automatic Descaling Cycle
535035	Large pre-wash zone for Zanussi multi-rinse Rack Type Dishwasher with Ventless Heat Pump and Automatic Descaling Cycle
535038	Medium drying zone with door for Zanussi multi-rinse Rack Type Dishwasher
535144	Large 35" dryer with door, boosted double fans, electric, for multi-rinse rack type dishwasher
535145	Large 35" dryer with door, electric, for multi-rinse rack type dishwasher
535146	Corner dryer, electric, for multi-rinse rack type dishwasher

Handling system

865162	Emergency stop kit for Rack Type Dishwasher
865218	End limit switch for short roller conveyor
865232	Kit to adapt motorized table with green&clean Rack Type - Europe, UK, M.E., Africa, Asia, Latin America, Oceania
865256	End limit switch for long roller conveyor (kit with two short rollers and end switch)

Installation solutions

865281	Kit to convert pre-wash module to wash module
865513	Reinforcement kit for lower washing arms and ramps for Single, Double and Multi Rinse Rack Type

Remote prewash

510501	Remote prewash module, with cord conveyor
510502	Remote prewash module, machine driven - left to right
510503	Remote prewash module, machine driven - right to left
510504	90° corner remote pre-wash zone with cord conveyor

Water treatment

865284	Kit water softener for Rack Type dishwasher
865494	Kit water softener and reverse osmosis for Rack Type dishwasher

Other accessories

865253	Inclined extension table for roller conveyor
865254	Inclined extension table for splash hood
865291	Kit of splash panel to change on the splash hood for 90° curve table

