Warewashing

green&clean dual rinse rack type dishwasher with Energy Saving Device, 150racks/hour, electric,50Hz



535103 (EDR150ECA5WV)

Dual rinse rack type dishwasher, 150 racks/hour, Energy Saving Device, ZERO LIME Device, CLEAR BLUE Filtering System, WASH-SAFE CONTROL, electric, touch screen, customized direction on-site

Main Features

- 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.
- CLEAR BLUE 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 WASH-SAFE CONTROL system raises water temperature to 84°C to sanitize the rinse water. 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.
- 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.
- Large counter balanced inspection door allow unrestricted all-round access to the wash and rinse area. The insulated door reduces noise and heat loss.
- Automatic drain, clean and sanitize cycles featured as standard. The internal chamber, is completely cleaned or sanitized avoiding bacteria proliferation for maximum hygiene and reducing manual work/time for operator.
- Dual rinse technology ensures maximum rinse water covering every corner of the rack inside the rinse area for perfect hygiene on washed wares.
- Three conveyor speeds can be selected through the control panel by the operator and customized on-site.
- The unit is ready to be connected with OnE Connectivity for 24/7 real time monitoring, increasing equipment uptime, maximum profit and optimizing your process.
- Maximum capacity per hour of 150 racks easy to switch to EN 17735 compliant or other speed.
- Performance guaranteed as by the latest EU standards, tested by external partner on EN 17735 speed, to prove the equipment reliability and hygiene capabilities.

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

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.
- 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.
- 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 pre-wash and dryer modules on-site.
- The machine runs at EN 17735 compliant speed.

Sustainability

- ZERO LIME Device as a fully automatic 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.
- 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.
- 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.
- Built-in Energy Saving Device (ESD) captures the hot steam released on the sides of the machine to heat up incoming cold water before entering to the boiler, thus saving energy and reducing heat emission from the machine.
- Dual rinse with air break and rinse booster pump guarantees rinse water consumption of 1.2 liters/rack regardless of inlet water pressure to ensure low energy, water, detergent and rinse aid consumption.

Included Accessories

PNC Code	Description	Quantity
865498	Splash hood kit for single and dual rinse Rack Type Dishwasher, 200 mm	2
922421	IoT module for OnE Connected (Combi Ovens, Blast chiller/freezers, Rack Type DW) and SkyDuo (one IoT board per appliance - to connect oven to blast chiller for Cook&Chill process).	1

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Optional Accessories

PNC Code	Description
Baskets	
864532	Basket for 18 plates up to 240 mm - grey
864533	Basket for cutlery with 8 dividers - grey
867050	Set of 6 baskets: 2 for trays, 2 for plates, 1 for cutlery and 1 for cups
867051	Set of 9 baskets: 2 for trays, 3 for plates, 2 for cutlery and 2 for cups
Dryers	
535095	Medium pre-wash zone for green&clean Dual Rinse Rack Type Dishwasher
535096	Large pre-wash zone for green&clean Dual Rinse Rack Type Dishwasher
535097	Medium drying zone with door for green&clean Dual Rinse Rack Type Dishwasher
535098	Large drying zone with door for green&clean Dual Rinse Rack Type Dishwasher
535099	Corner drying zone for green&clean Dual Rinse Rack Type Dishwasher
535141	Medium hot air blower zone without door for Dual Rinse Rack Type Dishwasher, 50Hz & 60Hz
Handling system	
865162	Emergency stop kit for Rack Type Dishwasher (not for Basic handling system)
865218	End limit switch for short roller conveyor
865235	Connection bracket for plain undershelf and grid undershelf (to be used if roller conveyor is connected directly to Rack Type Dishwasher with splash hood)
865256	End limit switch for long roller conveyor (kit with two short rollers and end switch)
Installation solutions	
865501	Pipe extension kit for additional 35" pre-wash module on Dual Rinse Rack Type Dishwasher with ESD
865503	Silicon courtains for single and dual rinse Rack Type dishwasher
865508	Kit electronic connection for motorized table and remote pre wash module for Dual Rinse Rack Type Dishwasher
865509	Pipe extension kit for additional 22" pre-wash module on Dual Rinse Rack Type Dishwasher with ESD
865513	Reinforcement kit for lower washing arms and ramps for Single, Double and Multi Rinse Rack Type
Water treatment	
865284	Kit water softener for Rack Type dishwasher
865286	Kit water meter
865494	Kit water softener and reverse osmosis for Rack Type Dishwasher

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Recommended Detergents

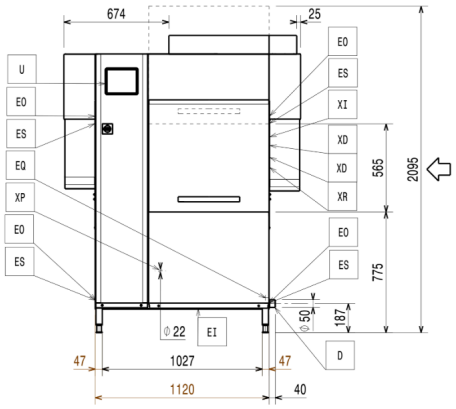
PNC Code	Description
0S2092	C11 Detergent for dishwashers; one pack of 2 cans of 5lt
0S2093	C13 ECO Detergent for dishwashers; one pack of 2cans of 5lt
0S2094	C12 Rinse aid for dishwashers; one pack of 2 cans of 5lt
0S2281	C11 Detergent for dishwashers; 1 can of 20lt
0S2362	C30 Multipurpose descaler; one pack of 2 cans of 5lt
0S2904	C15 ECO Rinse aid for dishwashers; one pack of 2 cans of 5lt

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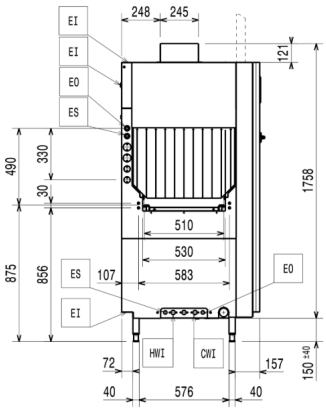
Technical specifications

Electric	
Supply voltage:	380-415 V/3N ph/50 Hz
Default Installed Power:	26.5 kW
Boiler heating elements:	14 kW
Electrical power min:	16.5 kW
Wash pump size:	1,2 kW
Water:	
Peak rate of drain flow (l/s):	1.8
Inlet hot water line size:	G 3/4"
Drain line size:	50mm
Inlet water supply pressure:	1.5-6 bar
Inlet water supply hardness:	5-8 °fH / 2.8-4.5°dH
Wash tank size:	70 l
Key Information:	
Productivity per hour (max. speed):	150 racks/2700dishes
Productivity per hour (medium speed):	114 racks/2052dishes
External dimensions, Width:	1520 mm
External dimensions, Depth:	925 mm
External dimensions, Height:	1908 mm
Productivity per hour (EN 17735-compliant speed):	82 racks/1476dishes
Height with door open:	2095 mm
Charging hole size (width):	530 mm
Charging hole size (height):	490 mm
Wash Temperature:	55 - 65 °C
Shipping height:	2070 mm
Shipping width:	1010 mm
Shipping depth:	1260 mm
Shipping volume:	2.63 m³
Final rinse temperature (max):	85 °C
Air Emission:	
Air humidity (top, exit):	100 / 0 % r.h.
Latent heat:	5000 W
Sensible heat:	2100 W
Air flow (top, exit):	565 / 0 m³/h
Air temperature (top, exit):	27 °C
Sustainability	
Noise level:	<62 dBA

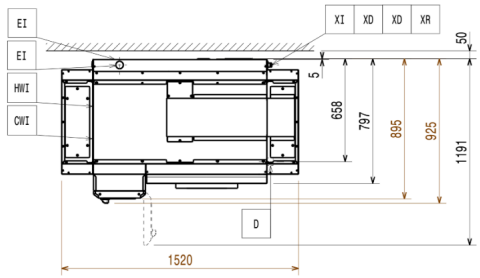
Front



Side



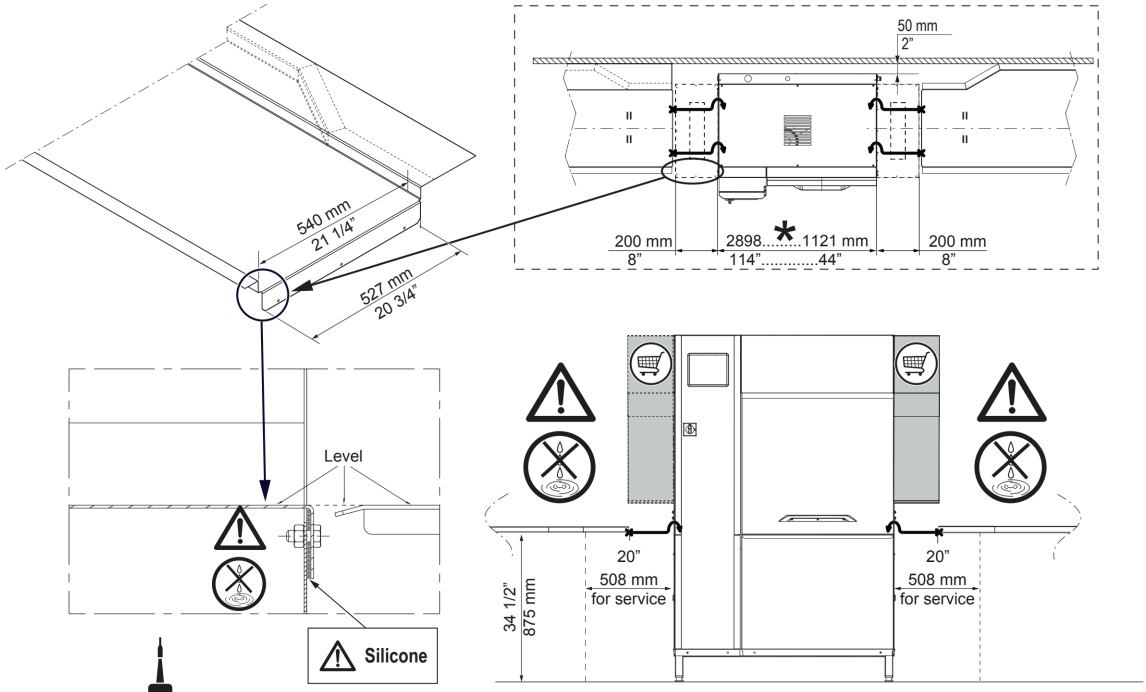
Top



D = Drain
EI = Electrical inlet (power)
HWI = Hot water inlet
XP = Chemical probe/sensor
EQ = Equipotential screw
EO = Electrical Outlet
CWI = Cold Water Inlet
U = USB port
ES = Electrical signal IN/OUT

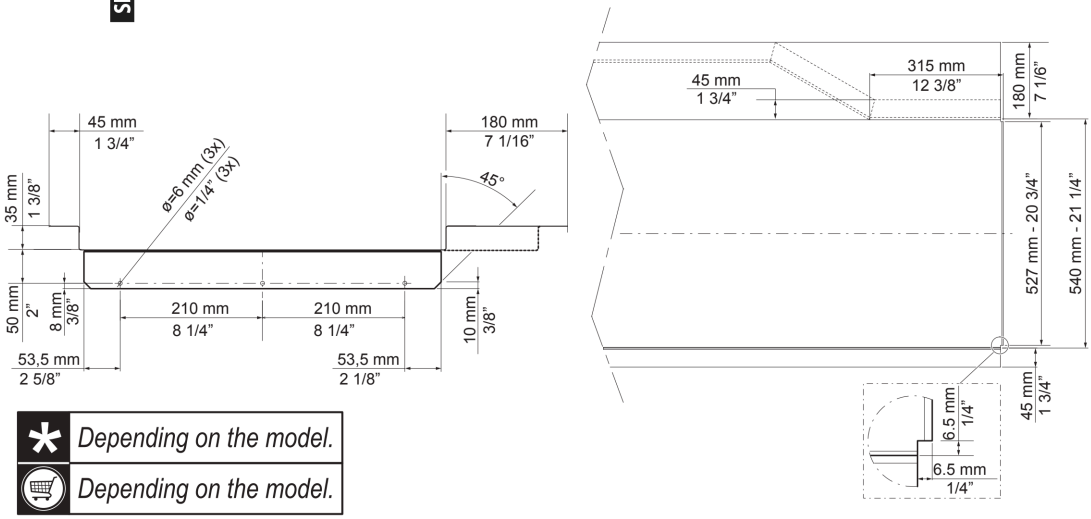
Technical specifications

RECOMMENDED TABLE CONNECTION



SILICONE

⚠ Apply silicone between the machine and the table and make sure that there are not any water leakages.
Reference code 059611 for recommended silicone by Electrolux.



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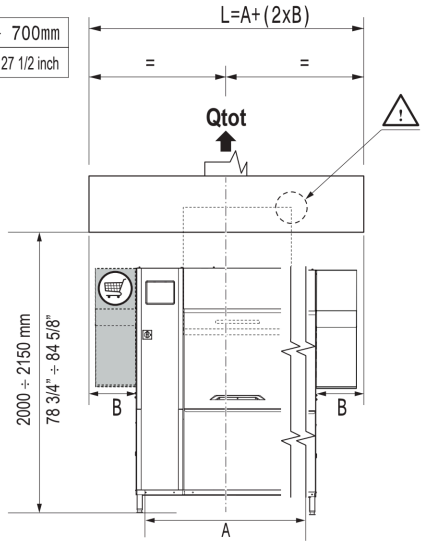
All tables must be connected to the dishwashing units according to local regulations and industry standards which may differ from the recommendations herein suggested. Electrolux Professional is not liable for any failure in complying with local design standards.

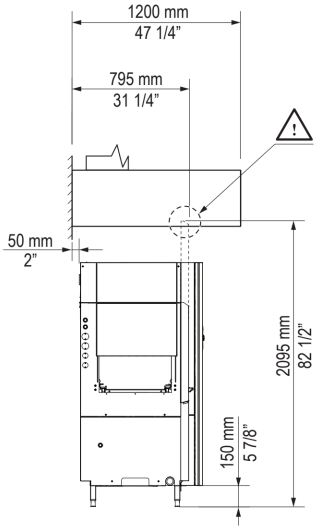
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Technical specifications

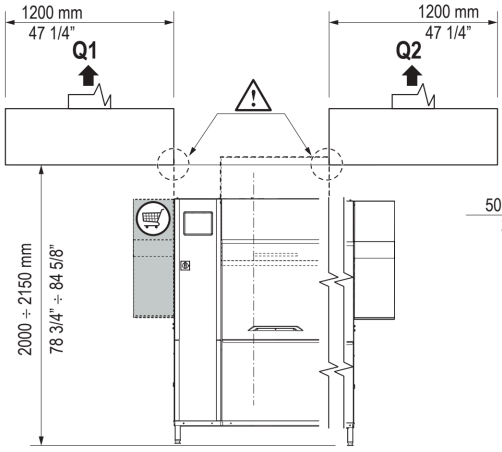
RECOMMENDED HOOD DESIGN OPTIONS

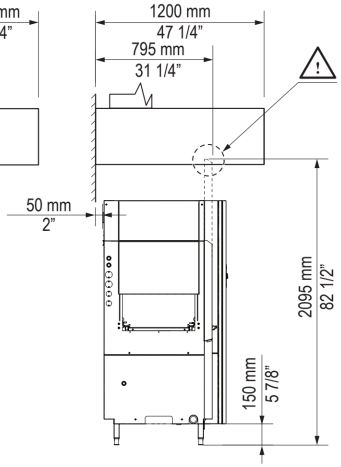
B	500 ÷ 700mm
B	19 5/8 ÷ 27 1/2 inch



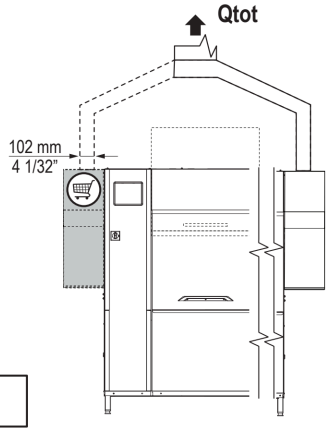


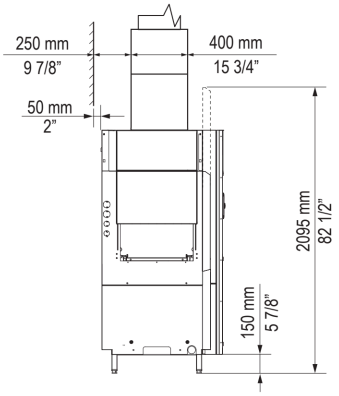
Qtot (VDI 2052)	
150 r/h no ESD no Dryer	2876 m³/h
150 r/h ESD no Dryer	1468 m³/h
150 r/h no ESD + 1 Dryer	3137 m³/h
150 r/h ESD + 1 Dryer	1600 m³/h
200 r/h no ESD no Dryer	3195 m³/h
200 r/h ESD no Dryer	1665 m³/h
200 r/h no ESD + 1 Dryer	3486 m³/h
200 r/h ESD + 1 Dryer	1817 m³/h
250 r/h no ESD no Dryer	3410 m³/h
250 r/h ESD no Dryer	1795 m³/h
250 r/h no ESD + 1 Dryer	3720 m³/h
250 r/h ESD + 1 Dryer	1958 m³/h





Qtot (VDI 2052)	
150 r/h no ESD no Dryer	2876 m³/h
150 r/h no ESD + 1 Dryer	3137 m³/h
200 r/h no ESD no Dryer	3195 m³/h
200 r/h no ESD + 1 Dryer	3486 m³/h
250 r/h no ESD no Dryer	3410 m³/h
250 r/h no ESD + 1 Dryer	3720 m³/h





Qtot (VDI 2052)	
150 r/h no ESD no Dryer	2876 m³/h
150 r/h no ESD + 1 Dryer	3137 m³/h
200 r/h no ESD no Dryer	3195 m³/h
200 r/h no ESD + 1 Dryer	3486 m³/h
250 r/h no ESD no Dryer	3410 m³/h
250 r/h no ESD + 1 Dryer	3720 m³/h

Depending on the model.

All exhaust hoods must be dimensioned and installed 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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