**536059 (ZDR150ECL5)**

Dual rinse rack type dishwasher, 150 racks/hour, advanced filtering system, electric, touch screen, Left>Right, customized direction on-site, 50Hz

Main Features

- IP25 protection against water jets, solid objects and small animals (larger than 6 mm).
- Advanced Filtering System provides cleaner wash water and higher active detergent thus ensuring better washing performances and lower running costs.
- 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.
- 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. Door is insulated with injected foam. This adds strength as well as 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.
- Maximum capacity per hour of 150 racks easy to switch to DIN 10510 compliant or other speed.

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.
- 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 pre-wash and dryer modules on-site.



A focus on sustainability

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 hidden dirt traps.
- 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 precise notifications and 23 easy-to-follow processes.
- Dual rinse with stabilized pressure valve guarantees rinse water consumption of 1.2 liters/ rack regardless of inlet water pressure to ensure low energy, water, detergent and rinse aid consumption.

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.



Technical specifications

Electric

Supply voltage:	380-415 V/3N ph/50 Hz
Default Installed Power:	22 kW
Boiler heating elements:	10 kW
Electrical power min:	12 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 temperature (wash and rinse):	50 - 65°C
Inlet water supply hardness:	5-8 °fH / 2.8-4.5°dH
Wash tank size:	70 l
Rinse water consumption:	180 l/h

Key Information:

Productivity per hour (max. speed):	150 racks/2700dishes
Productivity per hour (medium speed):	114 racks/2052dishes
External dimensions, Width:	1320 mm
External dimensions, Depth:	925 mm
External dimensions, Height:	1785 mm
Productivity per hour (DIN 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 width:	1010 mm
Shipping depth:	1260 mm
Shipping volume:	2.48 m³
Final rinse temperature (max):	85 °C

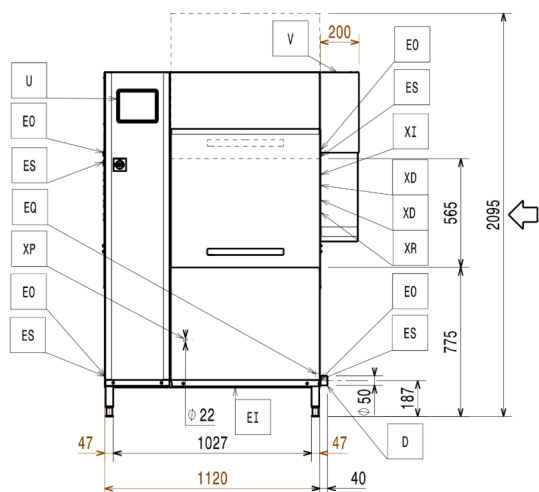
Air Emission:

Air humidity:	100 % r.h.
Latent heat:	9100 W
Sensible heat:	3400 W
Air flow (top, exit):	107 / 107 m³/h
Air temperature (top, exit):	45 °C

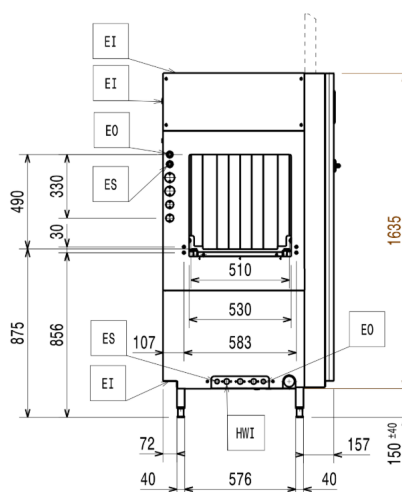


Installation drawings

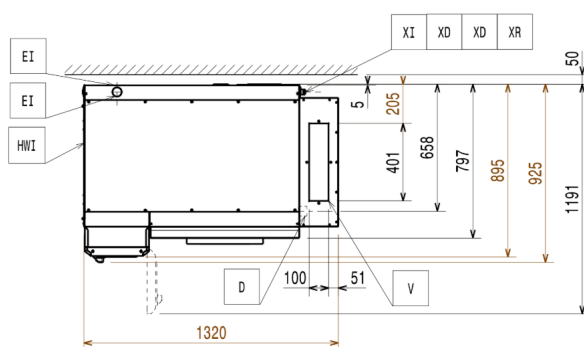
Front



Side



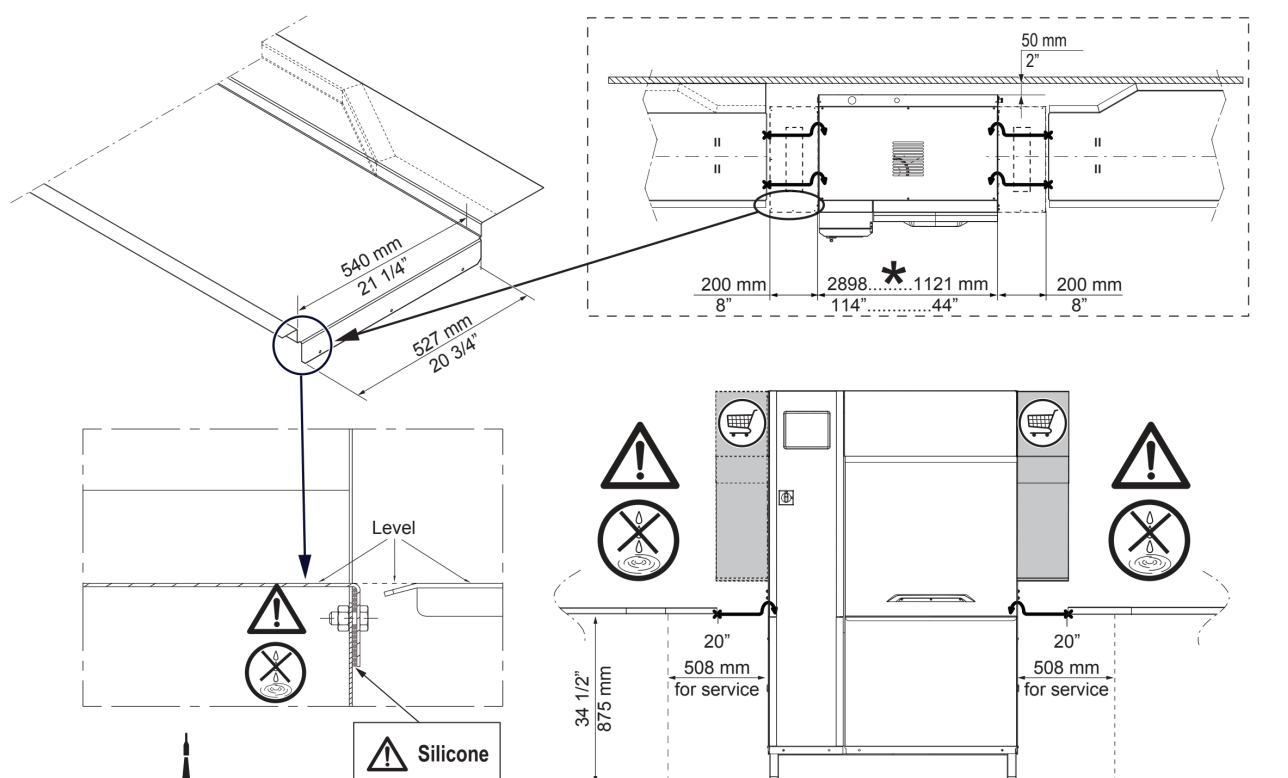
Top



D = Drain
HWI = Hot water inlet
EQ = Equipotential screw
CWI = Cold Water Inlet
ES = Electrical signal IN/OUT

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

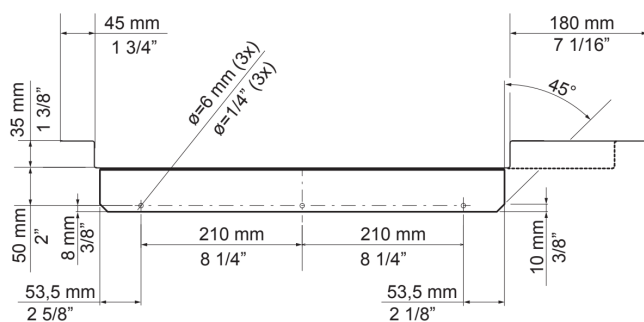
RECOMMENDED TABLE CONNECTION



SILICONE



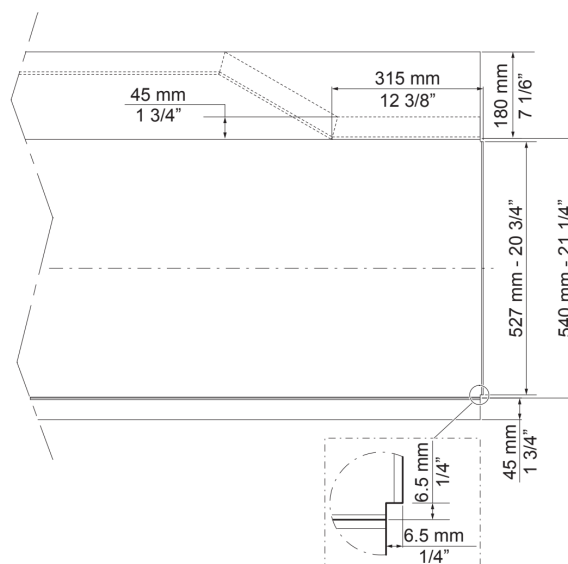
Apply silicone between the machine and the table and make sure that there are not any water leakages.
Reference code 059611 for recommended silicone by Electrolux.



Depending on the model.



Depending on the model.



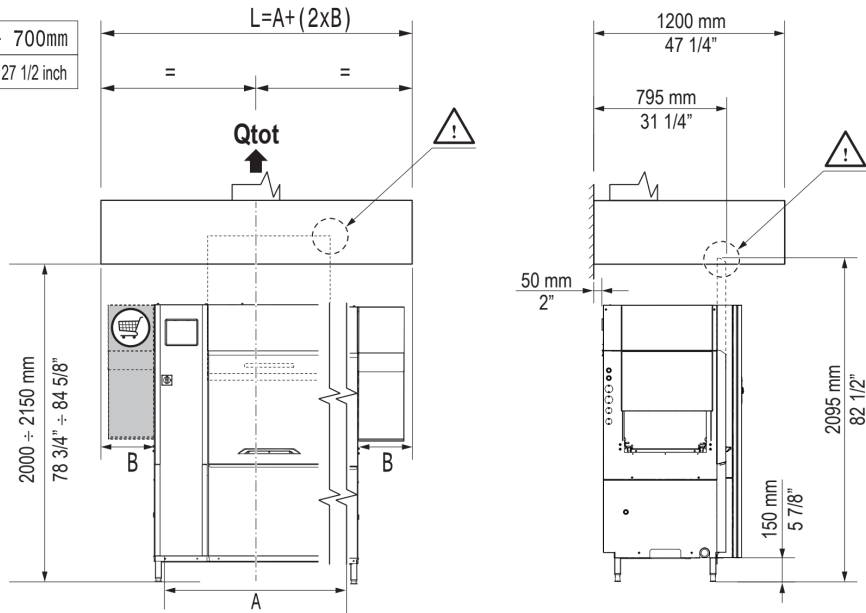
All tables must be connected to the dishwashing units according to local regulations and industry standards which may differ from the recommendations herein suggested. Electrolux Professional is not liable for any failure in complying with local design standards.

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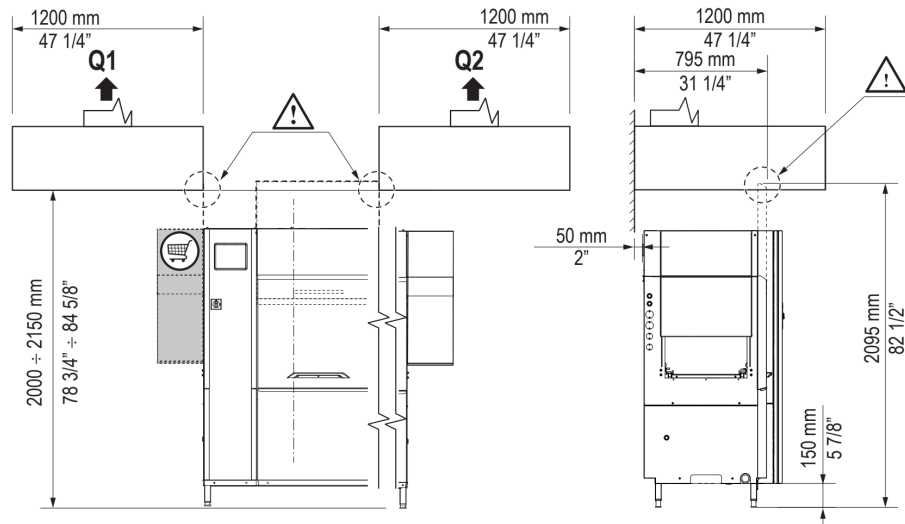
RECOMMENDED HOOD DESIGN OPTIONS

B	500 ÷ 700mm
B	19 5/8 ÷ 27 1/2 inch

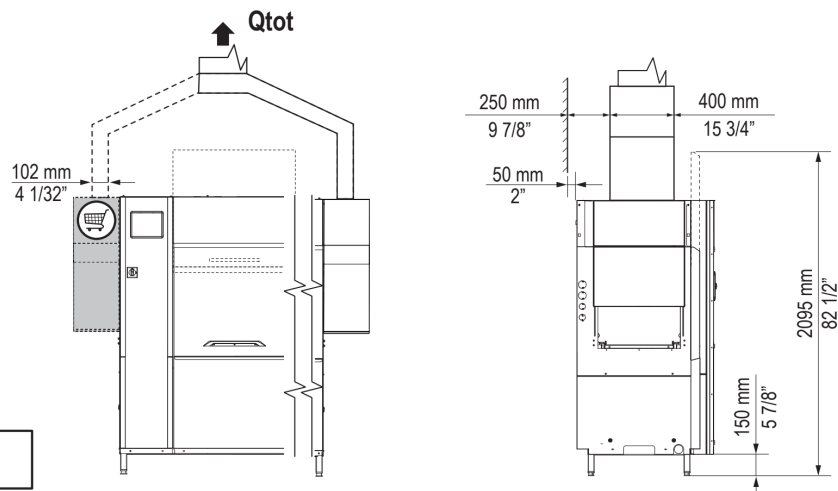
Qtot (VDI 2052)	
150 r/h no ESD no Dryer	2876 m³/h
150 r/h ESD no Dryer	1468 m³/h
150 r/h no ESD + 1 Dryer	3137 m³/h
150 r/h ESD + 1 Dryer	1600 m³/h
200 r/h no ESD no Dryer	3195 m³/h
200 r/h ESD no Dryer	1665 m³/h
200 r/h no ESD + 1 Dryer	3486 m³/h
200 r/h ESD + 1 Dryer	1817 m³/h
250 r/h no ESD no Dryer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

Included Accessories

PNC Code	Description	Quantity
865498	Splash hood kit for single and dual rinse Rack Type dishwasher, 200 mm	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
Baskets	
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 Dual Rinse Rack Type Dishwasher
535096	Large pre-wash zone for Dual Rinse Rack Type Dishwasher
535097	Medium drying zone with door for Dual Rinse Rack Type Dishwasher
535098	Large drying zone with door for Dual Rinse Rack Type Dishwasher
535099	Corner drying zone for 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
865218	End limit switch for short roller conveyor
865235	Connection bracket for plain undershelf and grid undershelves (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	
865498	Splash hood kit for single and dual rinse Rack Type dishwasher, 200 mm
865503	Silicon curtains for single and dual rinse Rack Type dishwasher
865506	Kit electronic board for Dual Rinse Rack Type Dishwasher
865507	Kit delime & door cleaning for dual for Rinse Rack Rack Type Dishwasher
865508	Kit electronic connection for motorized table and remote pre wash module for Dual Rinse Rack Type Dishwasher
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

Accessories

Recommended Detergents

PNC Code	Description
0S2092	DETERGENT FOR DISHWASHERS C11 2PCSx5L
0S2093	ECODETERGENT C13 2pzx5L CASSA BOX-4G
0S2094	RINSE AID FOR DISHWASHERS C12 2pzx5L ADR & IMDG Limited Quantity
0S2281	C11 DETERGENT FOR DISHWASHERS; 20L CAN
0S2362	C30-MULTIPURPOSE DESCALER; 2PCS x 5L; ADR & IMDG LIMITED QUANTITY
0S2904	C15 ECO RINSE AID; 2PZ X 5L; ADR & IMDG & IATA LIMITED QUANTITY