

Description of the machine:
Rack Conveyor Dishwashers CS-E-A-220-C12320778-1
01.06.2020

Model	Rack Conveyor Dishwasher
Type	CS-E-A-250-C12
Wash ware	According to DIN10510 section 7
Working direction	Left/Right
Heating	electrical
Racks/h Speed 1	150
Racks/h Speed 2	220
Pre Wash	1 Pre-Wash Zone E (L = 500 mm)
Wash and rinse zone	1 Wash and Rinse Zone AR (L = 1.350 mm)

with Tank Insulation
Pump inlet stainless steel
Strainer Basket CrNi
Panorama door with insulation
With Back Panel
EASYTRONIC Control with Temperature Display
Wash- and Rinse actuator
Special voltage 380/60/3/N
Panorama door with insulation

Disconnecting Points

Separate exhaust fan

Powerful Washing

The combination of 4 upper and 3 lower wash arms leads to perfect washing results.

Wide Angle Nozzles FAN

Wash efficiency depends largely on the distribution of the wash water and on avoiding any masked areas. Spraying angles and the precision of the wash jets are vital factors in achieving a powerful, searching wash action and the HOBART designed wide angle nozzles FAN provide a substantially wider and more precise sprayer pattern.

Compared with conventional and fixed wash arm systems the wash water is distributed more efficiently, masking is avoided and the wash result, especially in the corners, is considerably improved.

Non-Clogging Nozzles

The indented nozzles cannot be obstructed, resulting in a constantly powerful wash and perfect quality results.

Energy-Management EFFICIENT

A conventional rack-type dishwasher loses 40% of the energy available in the machine via the exhaust system. The distribution of water and the air stream have a considerable influence. The new energy-management EFFICIENT reduces the evaporation loss. The improved arrangement of the wide angle nozzles FAN and the orientation of the wash arms reduce the air flow within the machine. The patent pending wide angle nozzle FAN spreads out a 65 % wider and more even spray pattern. Therefore the recirculation of water can be reduced for the same wash result. In order to keep the system in balance less air/water steam has to be exhausted. The new energy-management reduces the energy loss of the rack-type dishwasher by up to 15 %.

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Reliability

Rack conveyor bars. Especially in peak periods robust materials prove themselves. For example the stainless steel transport and rack conveyor bars are designed for heavy duty. Thought out design: Because of experience over decades in constructing dishwashers, all the components are perfectly compatible. This sophisticated construction guarantees highest reliability.

EASYTRONIC Control

As standard, the machine is equipped with EASYTRONIC control.

Clear Operating Panel

Turn on and start at the touch of a button. All important functions are performed by the controller. A temperature display can be included if required.

Drop-In Wash System

Easy to take out and insert.

BAYONET Wash Arm Catch

Wash arms can easily be opened and closed to simplify cleaning.

Coded wash and rinse arms

The wash and rinse arms are clearly designed to prevent risk of confusion when inserting.

Coded curtains

Easy to take out and insert. The clear marking on the wash curtains prevents confusion when inserting.

Exit Hood 110 mm

The exit hood avoids the squirt of water at the exit.

Panelling

The doors of the machine, as well as the cover and back are equipped without insulation as standard.

Thorough Dual-Rinse

A second rinsing zone is integrated prior to the actual final rinse. Here, the fresh water collected in the receiving pan is used a second time in addition to the pre-rinse. The optional dual rinse ensures a sparkling wash every time.

Insulation and Enclosure with Door Insulation

The machine is equipped with cover and back panel, as well as insulated doors.

Wash- and Rinse actuator

Function of autotimer for automated switch-off of wash and rinse zone

CLIMATE ENERGY SAVING SYSTEM

The machine uses energy to ensure a stable temperature balance within a flight-type dishwasher, which is a precondition for achieving constantly good, hygienic dish washing results. This energy should be used as efficiently as possible, and losses through the exhaust air should be reduced to a minimum. CLIMATE, the innovative energy saving system, prevents loss of energy and significantly reduces the operating costs for the machine. The energy in the hot exhaust air is continuously returned to the machine. The innovative CLIMATE Energy Saving System improves economic efficiency and ecology,

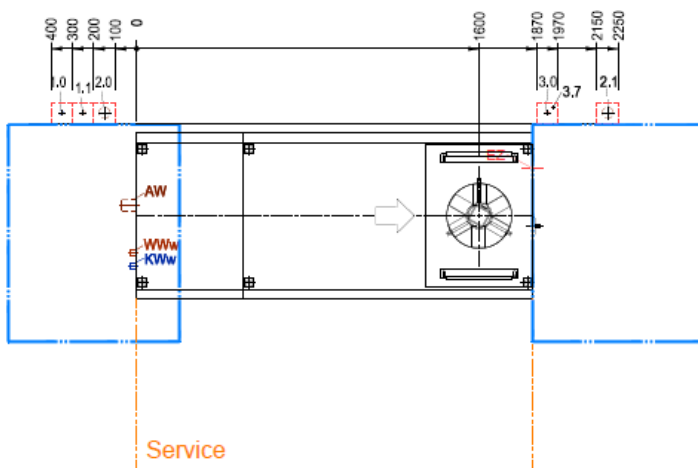
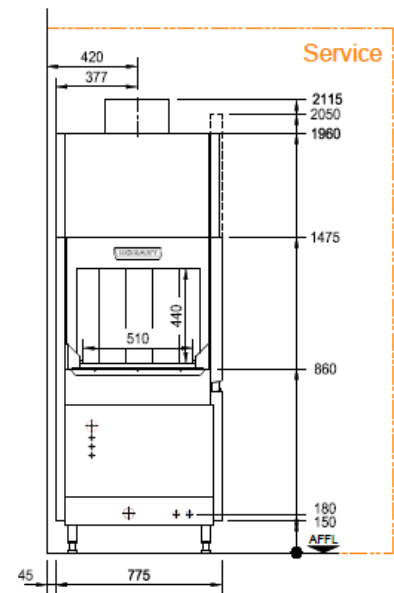
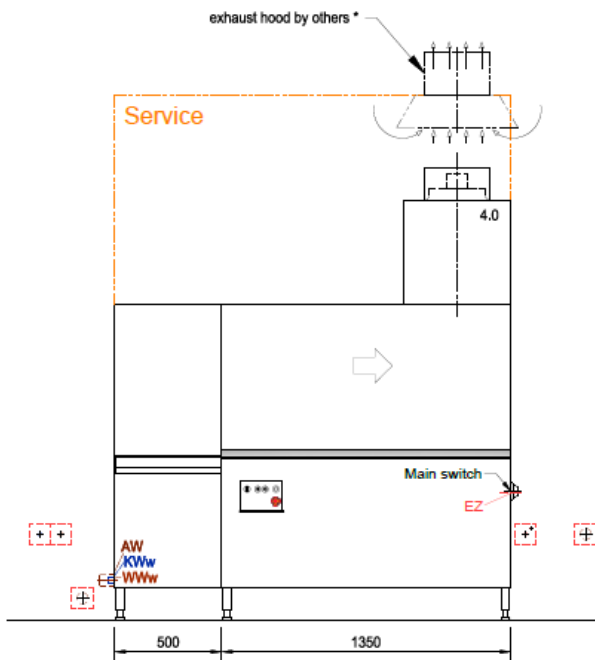
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meeting the requirements of our customers.

The energy contained in hot steam should be re-used as efficiently and frequently as possible. The hot steam is led through a channel over condenser. The heat is transmitted to the cold incoming water which is pre-heated to 47°C. Accordingly less energy is needed to reach the necessary rinse temperature in the boiler. At the same time the air humidity is lowered as it condenses and can be evacuated through the building ventilation ducting.

Energy saving is approx. 6.2 kW/h.



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Heating	electrical
Capacity	150/220
Water supply	Standard - Tank fill over water connection
Dimensions	in [mm]
Machine length	1850
Useable width	510
Useable height	440
Corpus width	775
Corpus incl. Control box	775
Corpus height	1475
Height incl. superstructural parts	2115
Values of connection	
Connected load	30 kW
Exhaust values	approx.
Exhaust air volume	600 m ³ /h
Exhaust air volume on site	800 m ³ /h
Exhaust air temperature	33 in °C
Exhaust air humidity	90 - 98 %
Tank capacity	in [L]
Tank capacity by (initial fill)	125
Rinse water consumption/h	240
Tank regeneration/h	240