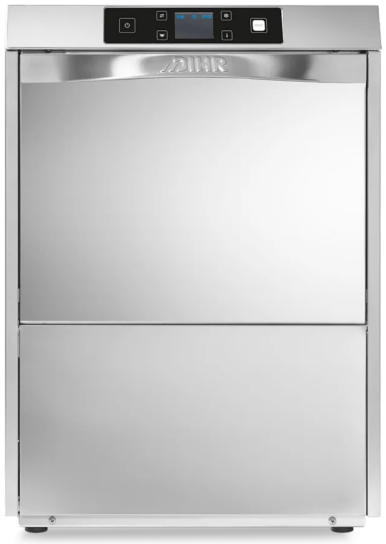
OPTIMA 500 HR

SMART DISHWASHERS WITH CHANGE WATER TECHNOLOGY

Range: OPTIMA

We have combined advanced technical specifications and cutting-edge technology with time-tested features. OPTIMA meets the highest international hygiene and cleanliness standards, while maintaining low operating costs thanks to the OPTIMAL RINSE system.
The two HYGIENE+ cycles ensure maximum safety and hygiene. The compact design, additional customizable cycle, self-monitoring, and CONNECTIVITY make the range extremely comprehensive.
The interactive electronic panel with self-diagnostics clearly displays the wash phases and machine status. With 8 cycles (10 in the HYGIENE+ version) and quick voltage change, OPTIMA ensures versatility and easy installation.



FEATURES

- Double skin AISI 304 machine and double skin insulated door
- Soft door opening and customizable START function when the door gets closed
- TFT electronic panel with intuitive icons, immediately visible functions and customization of programs and dosage of chemicals
- 8 wash cycles, 6 with partial drain of the wash water and 2 with total drain of the wash water before rinsing
- Combined system of wash and rinse arms in S/S with non-clogging nozzles
- Innovative S/S filter improving the filtration of the wash water
- Peristaltic detergent and rinse aid dispensers
- Detergent and rinse aid dosage setting directly from the control panel
- Drain pump
- OPTIMAL-RINSE (optimal rinse technology): water consumption rate among the lowest on the market with consequent reduction of electricity and chemicals consumptions
- Water consumption and working time control system
- The PLUS System ensures optimal and constant rinsing performance thanks to the combination of Break Tank, atmospheric boiler and rinse pump
- Soft Start wash pump that offers additional protection for the most delicate objects
- Self-diagnostic system with two different control levels for user and service people depending on the failure
- Self-cleaning cycle
- Thermal insulation of the boiler
- Thermostop with Energy Saving device
- HR Heat recovery steam condensing unit for cold water supply

OPTIONS

- Special voltages
- Multivoltage: easy-change voltage setting directly from the cables connection
- Cold rinse
- CONNECTIVITY remote control HACCP ready
- WRAS Break Tank
- DVGW Break Tank
- Probes for lack of detergent and rinse aid detection
- Predisposition for connection to an external reverse osmosis system (with electrical conductivity of more than 200 microsiemens for HR)
- DA: built-in water softener with automatic regeneration (recommended for water > 8 °f; max 35 °f)
- Special basket to wash GN 1/1 (max depth 25 mm)

Option compatibility to be confirmed by the manufacturer after verification

CAPACITY

340 H Ø 340 500x500

RACK EQUIPMENT
• 1 X C40
• 1 X C44
• 1 X 15060

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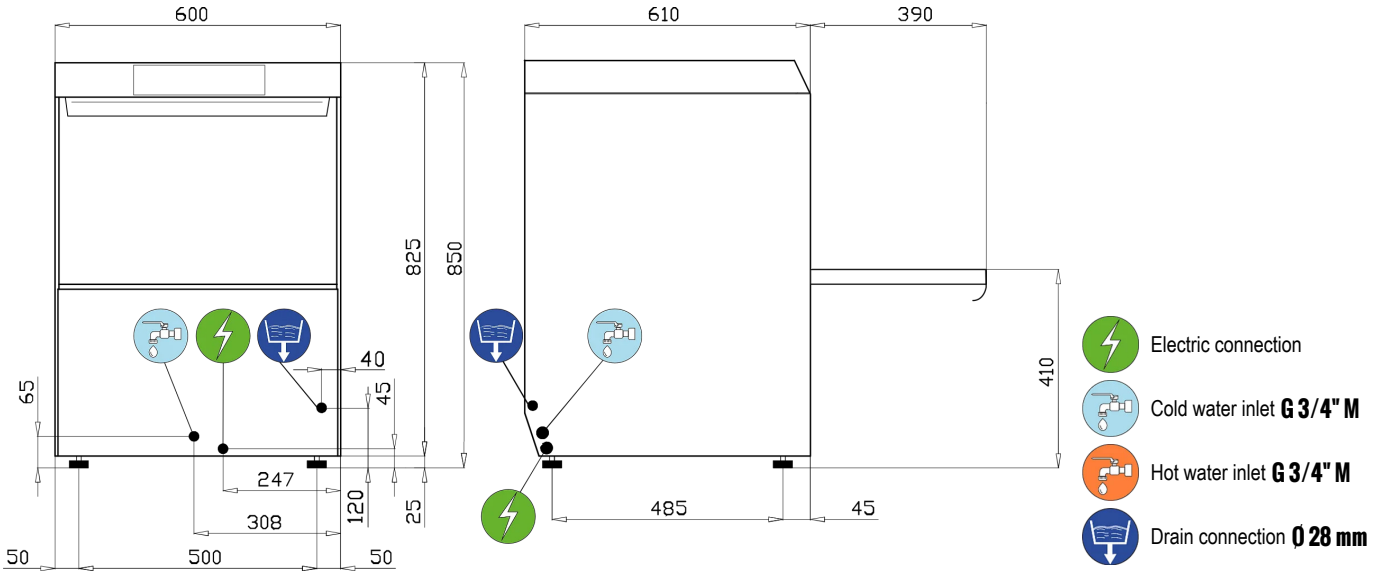

TECHNICAL FEATURES		
EXTERNAL DIMENSIONS		
Width	mm	600
Depth	mm	610
Height (screwed foot)	mm	850
Weight (standard version)	kg	67
TECHNICAL DATA		
Basket dimensions	mm	500x500
Glasses maximum useful height	mm	340
Maximum dish diameter	mm	340
Maximum level of water discharge	mm	700
Water inlet temperature	°C	10
Maximum inlet water hardness	°f	8
Minimum inlet water conductivity	µS / cm	200
Inlet water pressure	kPa	200 - 400
Tank heating element	kW	2.1
Boiler capacity	l	11
Boiler heating element	kW	6
Wash pump power	kW	0.65
Rinse pump power	kW	0.25
Drain pump power	kW	0.025
Sound pressure level	dB(A)	< 70

LOADING CAPACITY		
GN 1/1 loading capacity		6 x (530x325x25) (with special basket to order)

POWER SUPPLY DATA	
Supply voltage	Total installed power
380-415 V 3N 50 Hz	6.65 kW
Convertible to	
220-240 V 3 50 Hz	6.65 kW
220-240 V 50 Hz	6.65 kW

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CYCLES

Cycle description			Plates	Plates	Plates	Glasses	Glasses	Clean water	Clean water
Cycle number		1	2	3	4	5	6	7	8
Cycle name		0 *	1	2	3	4	5	6	7
Cycle length	s	21 - 680 *	60	90	120	60	90	180	360
Cycle productivity (racks/h) - 10°C inlet water			24	24	24	28	28	12	10
Cycle water consumption	l		3.5	3.5	3.5	3.5	3.5	7 **	7 **
Rinsing temperature setting	°C	70 - 90 *	82	82	82	70	70	82	82
Washing temperature setting	°C	50 - 70 *	60	60	60	60	60	60	60
Tank capacity	l	10	10	10	10	10	10	7	7

Heat recovery per hour	kWh	2 (data calculated on shortest cycle)

(*) CUSTOM CYCLE
(**) TOTAL DRAIN AT EVERY CYCLE

Standard Thermostop. In case of cold water supply and/or continuous washing, the rinse-water heating process might take more time than usual, until the proper rinse temperature is reached. For this reason, the wash-cycle total timing might result longer than set.

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