

## M-iClean HL – Hood type dishwasher and potwasher

A new generation of appliances that are designed for outstanding ergonomics, improved warewashing performance, better quality indoor air, and sparkling results with every wash.

### Key Features:

- Reliable hood mechanism
- New drying table
- Pipes made from stainless steel – robust and durable
- Flexible features at no extra cost:
  - Option to adjust height and mount on plinth
  - Easy to adjust / convert the electric power
  - Control panel can be mounted on either side of the machine.

### Key Benefits:

- Makes dishwashing significantly quicker
- Dries washware much faster
- Gets tableware back in use sooner
- Reduces staff and running costs
- Improves staff absence rates
- Optimizes workplace assessments



### Execution for: United Arab Emirates

#### Dishwashing machine

Fresh water line: Soft warm water 0-3°dH

3-phase current: 3N PE 400V 50Hz

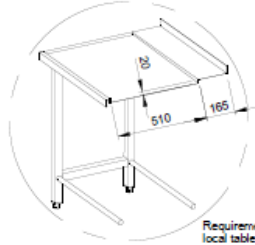
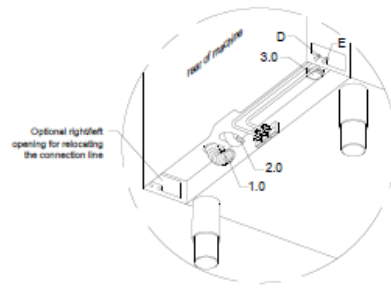
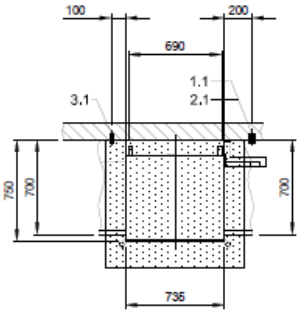
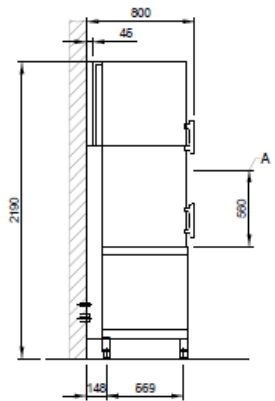
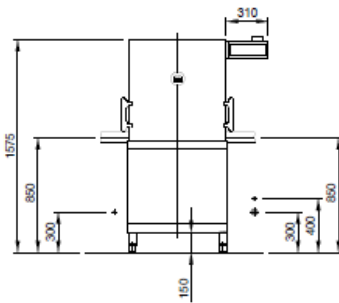
## Technical data

<b>Rack capacity/h (theoretical)</b>	60 / 40 / 17 racks/h
<b>Programme cycle time</b>	60 / 90 / 210 s
<b>Rack dimension</b>	500 x 500 mm (650 x 500 mm)
<b>Entry height</b>	560 mm
<b>Dimensions (W x Hmin x D)</b>	735 ( 825) x 1575 x 750 (800) mm (with handles)
<b>Electrical feeding cable</b>	3-phase current 3N PE 400V 50Hz* Total connected load: 10.0 kW max. rated current: 16.3 A
<b>Local fuse protection</b>	20 A
<b>Protection class of the machine</b>	IP X5
<b>Equipment</b>	Control system MIKE CPU4 Bluetooth interface for wireless communication Leakage detector Boiler safety device Automatic self-cleaning when tank is drained Drain pump Back wall cladding Automatic hood system Automatic basket detection

<b>Fresh water line</b>	Air gap 'AB' in accordance with EN 1717 with booster pump
<b>Fresh water supply</b>	Minimum flow pressure 60 kPa / 0.6 bar in front of solenoid valve Maximum pressure: 500 kPa / 5.0 bar  Max. supply water temperature 60 °C
<b>Flow rate</b>	5 l/min
<b>Final rinse water quantity</b>	3.0 liters/cycle, variable
<b>Boiler</b>	Contents: 10.5 l Heater: 8.00 kW Temperature: 83 °C Tank / boiler locked
<b>Wash tank</b>	Filling: 22.0 l Heater: 4.00 kW Temperature: 60 °C
<b>Wash pump</b>	Performance: 1.50 kW
<b>Dosing of rinse aid</b>	Hose pump (24 V) with time control and suction lance
<b>Detergent dosage</b>	Hose pump (24 V) with time control  and suction lance
<b>Material</b>	Cladding: 1.4301 Wash tank: 1.4301 Boiler: 1.4571
<b>Heat emission</b>	for 25 programme cycles/h total: 2.7 kW perceptible: 1.8 kW latent: 0.9 kW
<b>Ventilation flow rate</b>	680 m <sup>3</sup> /h
<b>Steam emission</b>	1.3 kg/h
<b>Emission sound pressure level at the workplace (LpA)</b>	62 / 64 / 67 dB
<b>Net / gross weight</b>	170.0 kg / 210.0 kg (standard packaging)
<b>Packaging dimensions (W x H x D)</b>	1000 x 1800 x 1000 mm (standard packaging)

\*Note:  
Electrical equipment suitable for supply voltage:  
3N PE 400 V 50 HZ (3N PE 380-415 V 50 Hz)

1.0	Machine connection: drain connection hose, DN 22 hose fitted as odour trap in interior of machine
1.1	Drain (max. 700 mm above finished floor level), DN 50
2.0	Machine connection: fresh water supply, G 3/4"
2.1	Soft warm water 45-60°, DN 15, G 3/4 a max. 0,54 mmol/l CaCO <sub>3</sub> (max. 3°dH) Flow rate: 5 l/min Minimum flow pressure: 60 kPa / 0.6 bar in front of solenoid valve Maximum pressure: 500 kPa / 5.0 bar stopcock and fine screen $\leq 25 \mu\text{m}$
3.0	Machine connection: electrical connection cable 5G 6mm <sup>2</sup>
3.1	electricity supply to the machine: 3N PE 400V - 50Hz nominal current I - capacity: 16.3 A / 10.0 kW Fuse protection: 20 A (-) Voltage equalising cable The master switch must be provided on site Note: Electrical equipment suitable for supply voltage: 3N PE 380/415 V 50 Hz / 1N PE 220-240 V 50 Hz
6.0	Heat load of warmwash area The values apply for the following room conditions: Room temperature 22 °C, rel. humidity 55 % <b>REMARK</b> Recommended suction area according to German EN 16282 or any local regulations have to be observed to determine ventilation of wash areas The total heat load includes 6.1
6.1	Heat load of the machine in normal washing operation: for 25 programme cycles/h total 2.7 kW, perceptible 1.8 kW, latent 0.9 kW For the total space load, all other space loads must be considered. The space ventilation must be designed in accordance with EN 16282
all cables, pipes etc leaving machine 1.8 m	
The position of the connection piping can also be mirror-inverted!	
Height adjustable: machine feet +/- 30 mm, MERKO table feet +/- 15 mm	
<b>Machine Equipment</b>	
(A) Entry height	
(D) Rinse agent pipe and suction lance	
(E) Detergent dosing unit with suction lance	
Power Wash	
Automatic hood system	
Automatic basket detection	
Feeding table on site	
Discharge table on site	



Requirement for local table profile

<p>MERKO MIDDLE EAST FZE Gold/Mermond Park, Building #6, office #206 P.O. Box 250265, L.A.S.-Dubai Phone +971 43 41 51 72 E-MAIL: <a href="mailto:merko@merko.ae">merko@merko.ae</a></p> <p>The drawing may not be further passed to third parties for their information or used in any form for competitive purposes without our consent. All rights reserved. We reserve the right to make changes resulting from technical progress. The drawing was computer generated and is not subject to the drawing and any other process. It is also not subject to change management.</p> <p>Please note: This document is only valid in conjunction with the conditions defined in Supplementary Sheet "Important Information". These can be requested from the manufacturer or downloaded from the Internet.</p>	<p>Reference DISHWASHER STANDARD DRAWING / ARE</p>	<p>Type M-CLEAN HL M2</p>	
	<p>Drawing No. S00081108</p>	<p>Order No.</p>	<p>Created: 18.05.2020 m-jplan</p>
	<p>Scale 1:25</p>	<p>Released: 18.05.2020 m-jplan</p>	<p>Checked: 18.05.2020 m-jplan</p>
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