

## UPster H 500 M2 – Hood type dishwasher

The MEIKO UPster® H M2 is designed for tableware and coffee cups, but also ideal as a high-performance dishwasher for glasses. With its sleek, easy-clean stainless steel surfaces and clearly designed, user-friendly operating panel, it offers impressive visual appeal from the outside. But things get even better on the inside: optimised wash and rinse system, perfected tank design and a unique filter system.

### Execution for: Saudi Arabia

#### Dishwashing machine

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

3-phase current: 3N PE 400V 60Hz

GiO MODULE (separate)

## Technical data

**Rack capacity/h (theoretical)**

60 / 40 / 17 racks/h

**Programme cycle**

90 / 150 / 210 s

**Rack dimension**

500 x 500 mm (540 x 500)

**Entry height**

440 mm

**Dimensions (W x Hmin x D)**

635 ( 687) x 1470 x 750 (850) mm (with hood rod)

**Electrical feeding cable**

3-phase current 3N PE 400V 60Hz\*

Total connected load: 10.6 kW

max. rated current: 19.6 A

**Local fuse protection**

20 A

**Machine protection class**

IP X4

**Equipment**

Control system MIKE CPU1

Infrared interface for wireless communication

Automatic program start

Leakage detector

Boiler safety device

Drain pump

AktivPlus wash water filter system

Automatic self-cleaning when tank is drained

Back wall cladding

GiO MODULE (separate)

**Fresh water line**

For reverse osmosis: connecting set with stop valve,

Pressure regulator, filter 10 µm with activated carbon

Internal: air gap 'AA' in accordance with EN 1717 with booster pump

**Fresh water supply**

Minimum flow pressure 100 kPa / 1.0 bar in front of solenoid valve

Maximum pressure 500 kPa / 5.0 bar in front of pressure reducer

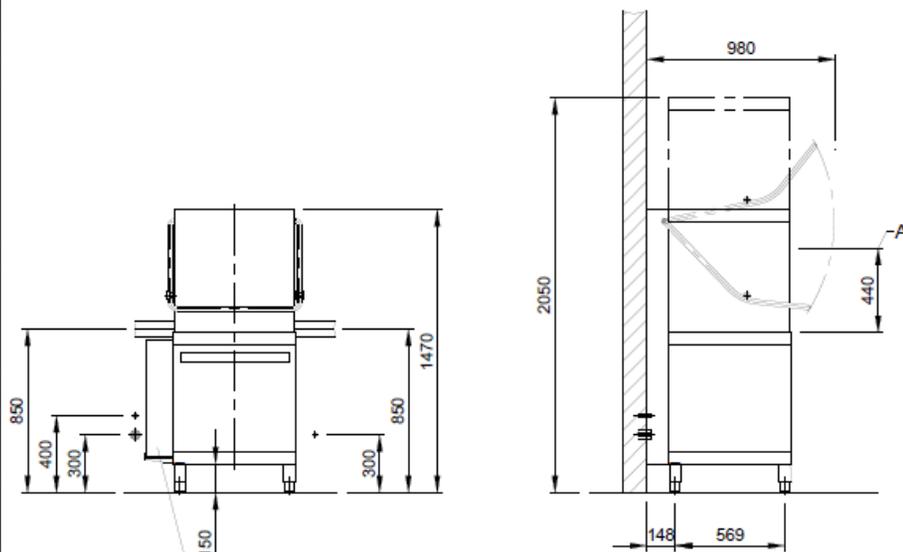
Max. supply water temperature 35 °C



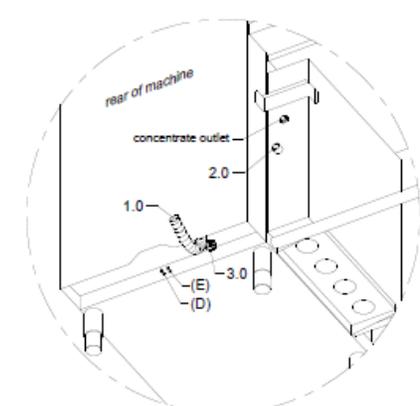
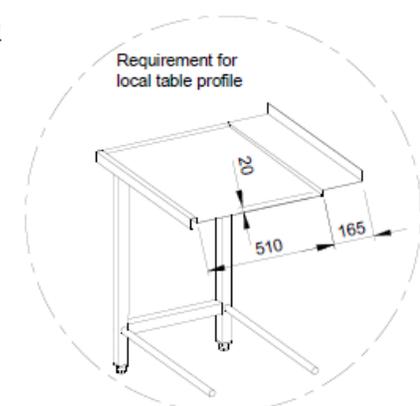
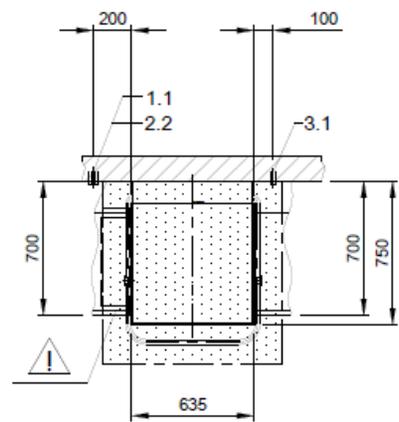
<b>Flow rate</b>	total 5.5 l/min (at 15 °C inlet temperature and a flow pressure of 200 kPa / 2 bar) Permeate 2.0 l/min Concentrate 3.5 l/min
<b>Fresh water thresholds</b>	Temperature cold water min. 1 °C to max. 35 °C electrical conductivity < 1000 µS/cm Total hardness max. 28 dH / 5 mmol/l CaCO <sub>3</sub> Free of particles > 10 µm Iron < 0.10 mg/l Manganese < 0.04 mg/l Chlorine > 0.10 mg/l (free chlorine) Potassium permanganate < 10 mg/l Silicic acid < 10 mg/l
<b>Final rinse water quantity</b>	2.6 liters/cycle
<b>Boiler</b>	Contents: 10.5 l Heater: 7.50 kW Temperature: 83 °C
<b>Wash tank</b>	Filling: 22.0 l Heater: 2.00 kW Temperature: 60 °C
<b>Wash pump</b>	Performance: 0.75 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>	67 dB

\*Note:  
Electrical equipment suitable for supply voltage:  
3N PE 400 V 60 HZ (3N PE 380-415 V 60 Hz)

1.0	machine connection: drain connection hose, DN 22 hose fitted as odour trap in interior of machine
1.1	drain (max. 300 mm above finished floor level), DN 50
2.0	Machine connection: fresh water supply, G 3/4"
2.2	Soft cold water 10°C, DN 15, G 3/4 a max. 0,54 mmol/l CaCO <sub>3</sub> (max. 3°dH) Flow rate: total 5.5 l/min (at 15 °C inlet temperature and a flow pressure of 200 kPa / 2 bar) electrical conductivity < 1000 µS/cm Minimum flow pressure: 100 kPa / 1.0 bar in front of solenoid valve Maximum pressure: 500 kPa / 5.0 bar in front of pressure reducer stopcock and fine screen ≤ 25 µm
3.0	Machine connection: electrical connection cable 5G 2,5mm <sup>2</sup>
3.1	electricity supply to the machine: 3N PE 400V ~ 60Hz nominal current / - capacity: 19.6 A / 10.6 kW Fuse protection: 20 A (+) Voltage equalising cable The master switch must be provided on site Electrical equipment suitable for supply voltage: 3N PE 380-415 V 60 Hz
6.0	Heat load of warewash area The values apply for the following room conditions: Room temperature 22 °C, rel. humidity 55 % 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 1,4 m	
the position of the connection piping can also be mirror-inverted!	
Height adjustable: machine feet +/- 30 mm, MEIKO 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	
Chlorine-resistant membrane (> 0,1 mg/l bis 2,0 mg/l)	
Feeding table on site	
Discharge table on site	
GIO MODULE (separate, on bracket on the left side)	
⚠ Please observe the installation indications of the additional document MP_T-INFO-GIO_EN.pdf	



⚠ GIO MODULE on bracket (W x D x H) 140 x 550 x 600 mm  
Connecting pipe from the module to the machine, 3 m long  
Additional installation components are necessary (connection and drain kits)



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	Reference DISHWASHER STANDARD DRAWING / SAU	Type UPSTER H 500 M2 GIO MODULE SEPARATE
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