MEIKO MIDDLE EAST FZE
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The clean solution

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)
Thermolabel

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: 12.6 kW max. rated current: 19.5 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 Integrated reverse osmosis (separate, with connection and discharge set) Chlorine-resistant membrane (> 0,1 mg/l bis 2,0 mg/l) Bracket for integrated reverse osmosis unit, left Thermolabel
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

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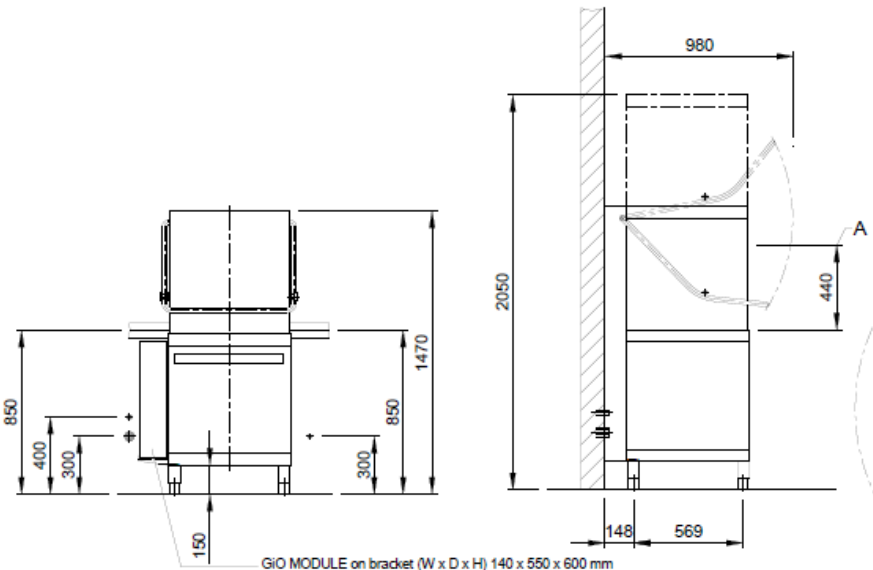
Flow rate	total 5.5 l/min (at 15 °C inlet temperature and a flow pressure of 200 kPa / 2 bar) Permeate 2.0 l/min Concentrate 3.5 l/min
Fresh water thresholds	Temperature cold water min. 1 °C to max. 35 °C electrical conductibility < 1000 µS/cm Total hardness max. 28 dH / 5 mmol/l CaCO3 Free of particles > 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
Final rinse water quantity	2.6 liters/cycle
Boiler	Contents: 10.5 l Heater: 7.50 kW Temperature: 83 °C
Wash tank	Filling: 22.0 l Heater: 2.00 kW Temperature: 74 °C
Wash pump	Performance: 0.75 kW
Dosing of rinse aid	Hose pump (24 V) with time control and suction lance
Detergent dosage	Hose pump (24 V) with time control and suction lance
Material	Cladding: 1.4301 Wash tank: 1.4301 Boiler: 1.4571
Heat emission	for 25 programme cycles/h total: 2.7 kW perceptible: 1.8 kW latent: 0.9 kW
Ventilation flow rate	680 m³/h
Steam emission	1.3 kg/h
Emission sound pressure level at the workplace (LpA)	67 dB

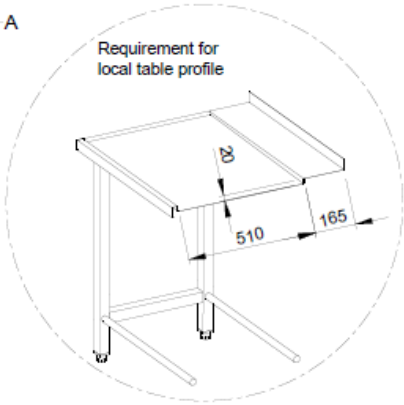
*Note:
Electrical equipment suitable for supply voltage:
3N PE 400 V 60 HZ (3N PE 380-415 V 60 Hz)

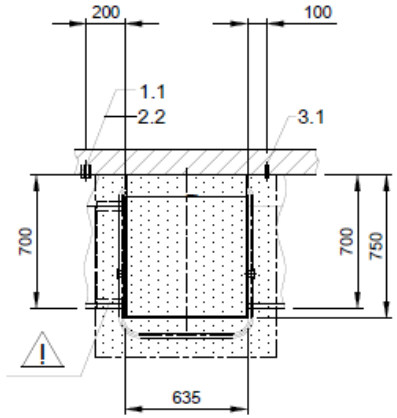
1.0	machine connection: drain connection hose, DN 22 hose fitted as odour trap in interior of machine
1.1	drain (max. 300 mm above finished floor level), DN 50
2.0	Machine connection: fresh water supply, G 3/4"
2.2	Soft cold water 10°C, DN 15, G 3/4 a max. 0,54 mmol/l $CaCO_3$ (max. 3°dH) Flow rate: total 5.5 l/min (at 15 °C inlet temperature and a flow pressure of 200 kPa / 2 bar) electrical conductibility < 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 2,5mm²
3.1	electricity supply to the machine: 3N PE 400V ~ 60Hz nominal current / - capacity: 19.5 A / 12.6 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 10 programme cycles/h total 1.1 kW, perceptible 0.7 kW, latent 0.4 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	

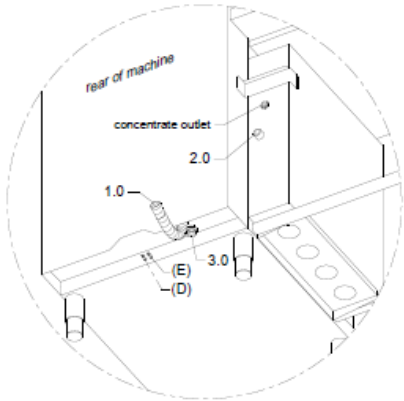
Machine Equipment

(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)
Thermolabel
Please observe the installation indications of the additional document MP_T-INFO-GIO_EN.pdf









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Revision

Reference: DISHWASHER STANDARD DRAWING / SAU
TYPE: CROCKERY

Type: UPSTER H 500 M2 GIO MODULE SEPARATE THERMOLABEL

Drawing-No.: S00079216

Order-No.:

Scale: 1:25 | drawn: 19.04.2020 m-iplan | checked: 19.04.2020 m-iplan

SAU EN

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