MEIKO MIDDLE EAST FZE
Emaar Gold & Diamond Park, Building 6, Office 207
Sheikh Sayed Road
P. O. Box 282365 Dubai UAE
Tel: +971-341-5172 / Fax: +971-4-3415173
www.meiko.ae

The clean solution

UPster B Flight Type Dishwasher

UPster B 190P CSS-Top: Wash + pump rinse + drier

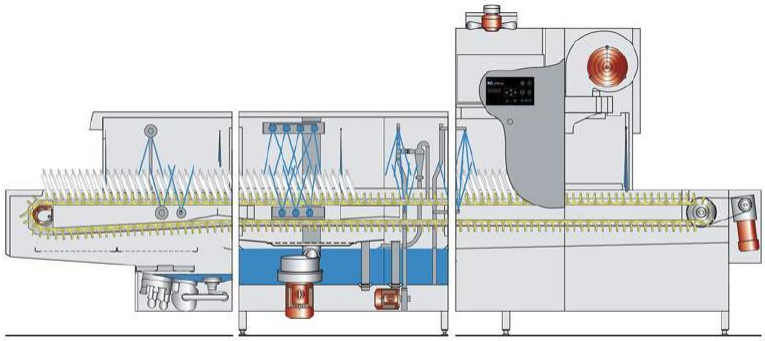
Execution for: Saudi Arabia
Capacity: 2000 / 2500 / 2900 plates/h
Heating: Electric
Working direction: Left to right
Power supply: 3N PE 380V 60Hz
Tank filling: Soft warm water

UPster B is the new generation of warewashing technology.

Perfectly tailored for people and the environment, economical, resource-efficient and user-friendly.

- MEIKO UPster B offers state-of-the-art technology at an impressively low price and offers an outstanding array of advanced technologies.
- Designed to make hygiene management more efficient than ever, it guarantees maximum cleanliness all the way down the line.
- The built-in chemical saving system CSS optimizes wash performance, reducing chemical use by up to 50 percent.
- The CSS-Top version goes even further, achieving reductions in chemical use of up to 80 percent.
- The intelligent AWS system significantly reduces the amount of water used by the warewasher, keeping the use of this valuable resource to a minimum while still maintaining sparkling clean results.

  MEIKO UPster B. All the latest warewashing improvements in a single system.



Schematic sectional view of machine

Technical data

Performance

▪ Contact length	1800 mm
▪ Contact time	2 minutes
▪ Transport speed 1 / 2 / 3 (DIN)	0.90 / 1.10 / 1.30 m/min

Dish Capacity 2000 / 2500 / 2900 plates/h

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Machine conveyor belt

• for dishes	MTB 1.11 Multi-purpose conveyor

Motors

• Total	4.8 kW

Heating energies

• Total	36.5 kW

Electrical feeding cable

• Power supply	3N PE 380V 60Hz
• Total connected load	41.3 kW
• max. rated current	67.2 A
• Max. Elect. cable cross-section	35 mm²

Fresh water

• Fresh water final rinse: soft cold water	240 l/h

Tank filling

• Soft warm water	190 l

Air outlet

• Exhaust air volume approx.	800 m³/h
• Exhaust air temperature approx.	35 °C
• Relative humidity approx.	85 %

Heat load

• total	5 kW
• Perceptible	1.5 kW
• latent	3.5 kW

Dimensions of machine

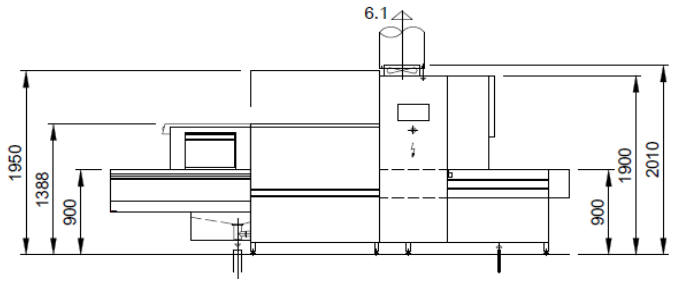
• Feeding section	1400 mm
• Wash tank	1300 mm
• Unloading section / drying section	1900 mm
Total	**4600 mm**

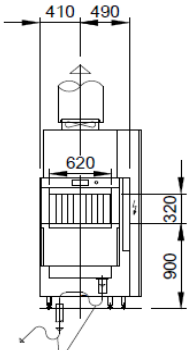
Machine separation	Separation at the unloading section
Equipment	Exhaust air heat recovery
	Heaters Incoloy 825
	Drying (TR1100)

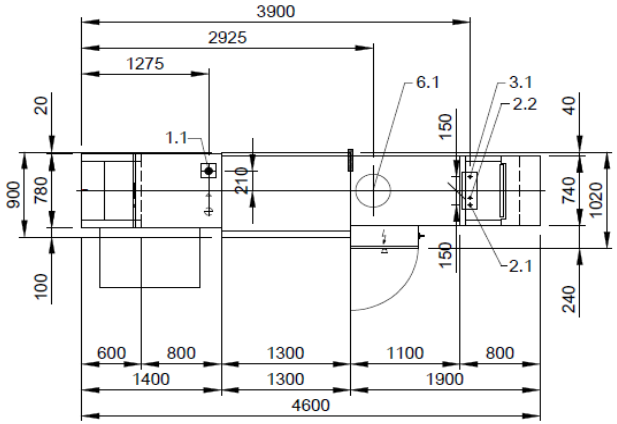
OPTION: Thermolabel test 71°C

Please note the kW load will increase to approx. 9kW if Thermolabel test is added.

Type code: B190P-nT-L-E1400-380/60-E-A1900-D1100-nC-IC	
1.1	Machine drain DN 70, dia. 75 a, Onsite pipe system connection and siphon
2.1	Water connection of the machine: Soft warm water 50°C, DN 20, G 3/4 a max. 0,54 mmol/l $CaCO_3$ (max. 3°dH) consumption approx. 190 l for tank filling
2.2	Water connection of the machine: Soft cold water, DN 20, G 3/4 a max. 0,54 mmol/l $CaCO_3$ (max. 3°dH) consumption approx. 240 l/h for final rinse
3.1	Electrical connection of the machine: 3N PE 380V 60Hz nominal current / - capacity: 67.2 A / 41.3 kW Max. Elect. cable cross-section: 35 mm² free cable end from finished floor level/Wall: approx. 4 m ⏚ Voltage equalising cable
6.0	Heat load of warewash area The values apply for the following room conditions: Room temperature 22 °C, rel. humidity 55 % The total heat load includes 6.1 and 6.2
6.1	Machine exhaust air pipe, dia. 360 mm Heat load of the machine in normal washing operation: Latent: 3.5 kW, perceptible: 1.5 kW, total: 5.0 kW At a freshwater supply temperature of approx. 12°C
6.2	The heat load of the wash ware must be considered separately.
	For the total space load, all other space loads must be considered. The space ventilation must be designed in accordance with EN 16282.
	Separation
Machine Equipment	
Exhaust air heat recovery	
heaters Incoloy 825	

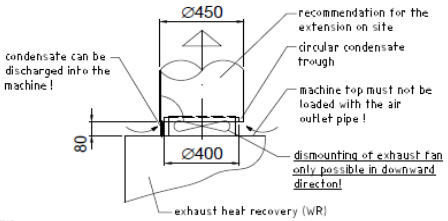


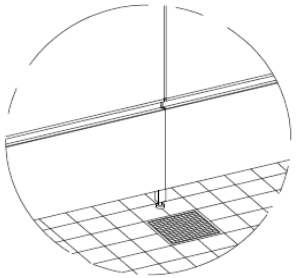




RECOMMENDATION AIR OUTLET EXTENSION ON SITE

(exhaust air outlet or exhaust heat recovery)





On-site drainage
provide in front of the machine!

Revision		
Reference UPSTER STANDARD DRAWING / SAU		Type UPSTER B190P CSS-TOP L-R ELECTRO
Drawing-No. S00085609		Order-No.
Scale 1:50	drawn: 27.07.2020 m-iplan	checked: 27.07.2020 m-iplan
SAU	EN	