

## UPster B Flight Type Dishwasher

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

**Execution for: United Arab Emirates**

**Capacity:** 2000 / 2500 / 2900 plates/h

**Heating:** Electric

**Working direction:** Left to right

Power supply: 3N PE 380V 50Hz

Tank filling: Soft warm water

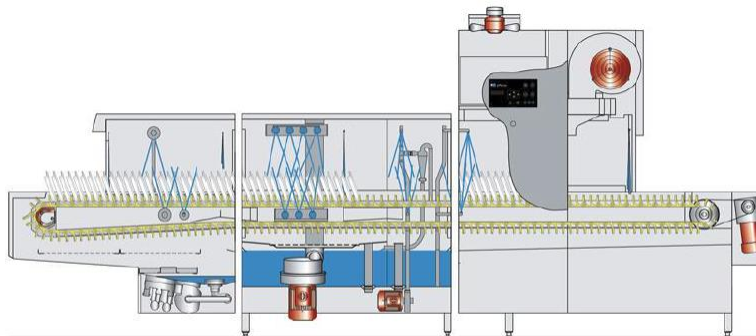


*UPster B* is the new generation of warewashing technology.

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

**Machine conveyor belt**

- for dishes MTB 1.11 Multi-purpose conveyor

**Motors**

- Total 4.2 kW

**Heating energies**

- Total 33.3 kW

**Electrical feeding cable**

- Power supply 3N PE 380V 50Hz
- Total connected load 37.5 kW
- max. rated current 62.2 A
- Max. Elect. cable cross-section 35 mm<sup>2</sup>

**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 m<sup>3</sup>/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

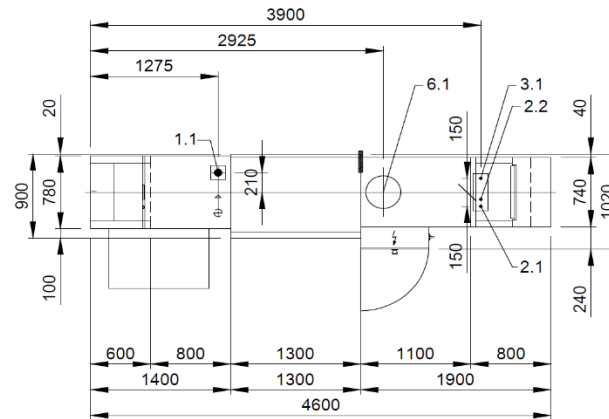
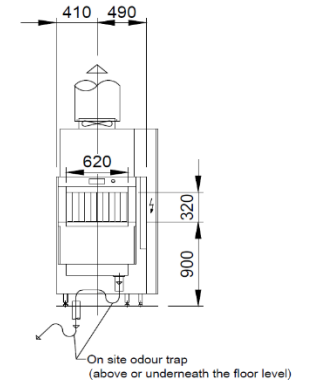
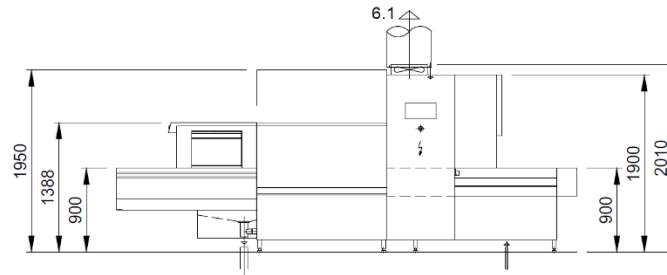
**Equipment**

Exhaust air heat recovery  
 Heaters Incoloy 825  
 Drying (TR1100)

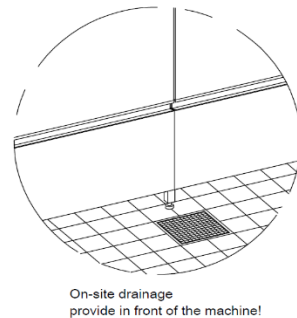
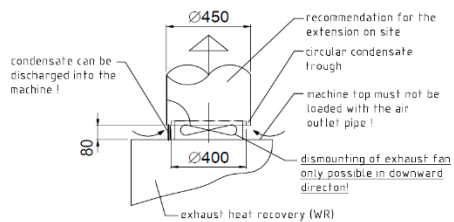
**OPTION: Thermolabel test 71°C**

**Please note the kW load will increase to approx. 12kW if Thermolabel test is added.**

Type code: B190P-nT-L-E1400-380/50-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 <sub>3</sub> (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 <sub>3</sub> (max. 3°dH) consumption approx. 240 l/h for final rinse
3.1	Electrical connection of the machine: 3N PE 380V 50Hz nominal current / - capacity: 62.2 A / 37.5 kW Max. Elect. cable cross-section: 35 mm <sup>2</sup> free cable end from finished floor level/Wall: approx. 4 m ⚡ Voltage equalising cable
6.0	<b>Heat load of warewash area</b> 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	
<b>Machine Equipment</b>	
Exhaust air heat recovery heaters Incoloy 825	



**RECOMMENDATION AIR OUTLET EXTENSION ON SITE**  
(exhaust air outlet or exhaust heat recovery)



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	Reference	UPSTER STANDARD DRAWING / ARE	Type	UPSTER B190P CSS-TOP L-R ELECTRO
Drawing-No.	S00085579	Order-No.		
Scale	1:50	drawn:	27.07.2020	m-iplan
checked:		27.07.2020		m-iplan