

Technical specifications:

The plant has been designed for powder coating of different work piece sizes.

Dimensions max. workpiece in the plant

Max. length of the work piece	8.500 mm
Max. width of the work piece	150 mm
Max. height of the work piece	2.000 mm
Max. weight pro work piece	300 kg

Dimensions conveyor

Height from floor to top conveyor	3.000 mm
Height from floor to top work piece in the processes	2.400 mm

Process times

Pre-treatment variable adjustment	6 -12 min.
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Power supply

Electricity

Voltage	3 x 400 volt, +/- 5%
Frequency	50 Hz

Water

Pressure, at the drain cock, by tapping/ distribution pressure	4/6 bar
Temperature	5 –15 °C
Total hardness, max.	20° dH

Heating

Heating fluid	hot-water
Supply pipe temperature	appr. 80 °C
Return pipe temperature	appr. 70 °C
System temperature in stage 1	max. 60 °C
Systempressure	max. 6 bar

Maximum capacity/ power

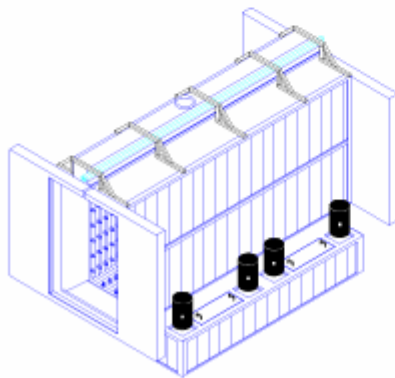
Total max power	53,95 kW
Water	appr. 250 kW

Specifications

Total length	9.450 mm
Total width	1.850 mm
Total height floor	3.250 mm
Total height from pit floor	3.880 mm
Pump pressure	max. 1,5 bar
Power-totally pumps	44 kW
Max temperature stage 1	60 °C
Max. pressure at the nozzles	1,5 bar
Circulation pump stage 1	2,2 kW
Heat system	heat exchanger
Water supply pumps stage 1 – 2	2x0,8 kW
Exhaust air volume	3.000 m³/h
Exhaust fan motor	2,2 kW
Insulation	70 mm
Stage control	Pneumatic controlled

Description

The pre-treatment has to be build down in the floor with 730 mm



Principe pre-treatment

The pumps in the spray washer are submerged pumps, which mean the impeller housing is submerged in the liquid and the motor is placed above the liquid. With this pump design you prevent problems with pump sealing's being uptight because of wearing. This pump type does not need any sealing's. All pumps are equipped with filters to prevent bigger particles from being sucked into the pumps and thus blocking the nozzles. The nozzles installed are adjustable ball-type nozzles with flat spray tips.

The overhead conveyor running above the spray tunnel is protected by a suction tube in the whole length of the tunnel. We do not install "brush sealing's" because the loose efficiency when they get worn.