

Technical Data

SMT 460C

valid from machine no. 1317-110

SMT 460C	
External dimensions	
• Length:	3300 mm
• Width:	1335 mm
• Height (when being delivered): ²⁾	1552 mm
• Height (incl. warning light): ²⁾	approx. 2294 mm
Weight: ⁶⁾	1100 kg
Process area	
• Length: ⁸⁾	2370 mm
• heating modules (heating zones):	4 (3)
• Bottom heating modules switchable (Option, heating zone 1 and 2):	max. 2
• Length of heating zones, total:	1650 mm
• Length of cooling zone (stage 1):	1030 mm
• Temperature measurement:	spherical
• Warm-up time, approx.:	30 min.
• Heat transfer:	Forced convection
• Air circulation / heating module:	1600 m ³ /h
• Safety temperature:	300 °C
Transport	
• Usable working width chain transport:	60...460 mm
• Usable working width mesh belt transport:	500 mm
• Pass through height (top/bottom ¹⁾):	30/30 mm
• Transport speed:	0,2...1,8 m/min.
• Infeed / outfeed length (with cover to take off):	205 mm
• Infeed height, adjustable by customer: ²⁾	830 ±15 mm
Extraction ³⁾	
• Suction nozzles:	2 x Ø150 mm
• Required exhaust air per nozzle (inlet / outlet):	approx. 300 / 500 m ³ /min
• Temperature of exhaust air at the nozzle:	< 50 °C
Continuous sound pressure:	< 70 dB(A)
Control unit Control panel with LCD-display, instead PC:	Type 2091
• PC-software under Windows® for external PC:	Reflow Tools 3.2x
Interfaces	
• Serial interface (COM1, e.g. external PC):	RS 232, 9-pol.
• Connecting power supply:	3~N, PE 230 / 400 V, 50 / 60 Hz
• Max. current consumption per phase (5 heating modules): ⁵⁾	39 A
• Power consumption during heat-up: ⁵⁾	27 kW
• Power consumption during normal operation, approx.:	3 kW/h
Power limiter in software	
• Max. current consumption per phase (5 heating modules):	25 A
• Power consumption during heat-up:	18 kW
• Warm-up time, approx.:	45 min.
Transformer	
• Connecting power supply with transformer:	3~N, PE 110/220V, 50 / 60 Hz
• Max. current consumption per phase (5 heating modules):	70 A
• Power consumption during heat-up:	27 kW
Power limiter in software and transformer	
• Connecting power supply:	3~N, PE 110/220V, 50 / 60 Hz
• Max. current consumption per phase (5 heating modules):	50 A
• Power consumption during heat-up:	18 kW
• Warm-up time, approx.:	45 min.

1.) Bottom pass-through height not applying to belt transport.

2.) Standard height=830mm, corresponding to a changed inlet height the other heights of the reflow system are changing

3.) Connection of a flexible, heat resisting (at least up to 100°C) hose. Hose can be ordered from SMT.

The waste air exhausting unit with adjustable throttle valve mounted after the suction sleeves has to be made available by the user.

5.) Option: dependent on additional heating modules (total 6...9 modules) the following values are rising: total power consumption 41kW, current consumption 60A / Phase

6.) When being delivered with transformer 220...380V then add 150kg.

9.) Mesh belt systems with mounted chain transport: 210mm longer

