

POWERFLOW ONE – Technical data

Dimensions

Length:	2,900 mm
Width:	1,481 mm
Height:	1,590 mm (at inlet height 635 mm; outlet height 1,066 mm)
Weight:	1,500 kg
Paint:	RAL 7035/7016

Conveyor system

Type:	Frame conveyor, Finger conveyor
PCB width finger conveyor:	406 mm
PCB width frame conveyor:	400 mm
PCB length:	120 mm - 500 mm
PCB top-side clearance:	100 mm
Conveyor speed:	0,5 m/min to 1,8 m/min
Conveyor angle:	7°

Max. preheating length

Standard:	1200 mm
Optional:	max. number of preheaters 3 (a 2 x 450 mm, 1 x 300 mm)

Protective gas technology

Inlet pressure:	8 bar
Required purity level:	Class 5.0
Nitrogen consumption:	approx. 8 m³/h

Environment/Noise level:

Ambient temperature:	10 °C - 35 °C
Humidity:	20 -95 % relative humidity
Permanent noise level:	< 65 dB (A)

Flux module

Flux storage tank:	1 x 10L
Spray pressure:	0,5 bar up to max. 2 bar
Flux system:	3x Schütze spray head fixed

Bottom-side preheat module

Type: Dynamic	
Capacity:	5,2 kW
Type: Medium wave	
Capacity:	2 x 4 kW
Type: Convection	
Capacity:	by compressed air

Solder module

Capacity:	9,2 kW
Solder volume (SnPb37)	630 kg
Solder volume (SAC305)	525 kg (optional 345 kg)
Warm-up time (to 260°C)	approx. 210 min (optional 180 min at 345 kg)
Max. solder temperature:	300 °C

Compressed air

Compressed air connection (required connection):	8 NW
Required pressure (minimum inlet pressure):	6 bar
Compressed air consumption (maximum supply quantity):	5 m³/h - 10 m³/h

Electrical data

Voltage:	5-wire network, 3 x 230/400 V, N, PE
Voltage tolerance:	± 10 %
Frequency:	50/60 Hz
Fuse rating:	3 x 63 A

Extraction

Total extraction capacity:	1000 m³/h
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