

Specification

ECOSELECT 1 (basic system)	
Length:	1.700 mm
Width:	1.500 mm
Height:	1.612 mm
Weight:	approx. 900 kg
Type:	batch
PCB loading:	manuel

Conveyor system:	
Universal-Maskenaufnahme	
PCB width:	15 – 508 mm
PCB length:	15 – 406 mm (optional 508 mm)
Clearance from PCB edge:	3 mm
PCB top side clearance:	max. 120 mm
PCB bottom side clearance:	max. 30 mm
Mask/PCB weight:	8 kg

Exhaust rating	
Exhaust stacks:	1 pc., OD 150 mm
Exhaust volume per stack:	200 m ³ /h

Solder module:	
Solder wave height:	max. 5 mm
Clearance from PCB edge:	min. 3 mm
Solder volume:	approx. 13 kg (Sn63Pb37); approx. 12 kg (lead-free)
Solder temperature:	max. 330 °C
Warm-up time:	75 min bis 280 °C
Positioning speed:	x/y: 2 – 200 mm/s
Soldering speed:	10 mm/s
Positioning accuracy:	±0,25 mm

Flux module	
Type:	high-precision spray fluxer
Positioning system:	2 axis, servo motor driven
Flux storage tank:	1,8 l
Positioning speed:	1 - 300 mm/s
Fluxer speed:	20 mm/s
Positioning accuracy:	±0,25 mm
Spray width:	2 - 8 mm (127 µm nozzle)

Preheat module	
Type:	IR bottom-side (basis), top-side convection (option)
Power:	10,4 kW per IR heater, 4 kW convection
Temperature:	200 °C

Compressed air & Nitrogen	
Compressed air supply:	to be supplied locally
Required pressure:	6 bar
Consumption:	< 5 m ³ /h
Nitrogen Consumption:	approx. 1.5 m ³ /h
Particle cleanliness:	(recommendation)5.0

Electrical data	
Spannung:	5-wire system, 3 x 230/400 V, N, PE
Power tolerance range:	±10 %
Frequency:	50/60 Hz
Power consumption:	19 kW (incl. bottom side preheating)
Safety fuse:	3 x 35 A

Environmental specs/noise level	
Ambient temperature:	15 – 35 °C
Permanent sound level:	<60 dB(A)