

TECHNICAL DATA AND DESCRIPTION

For the KIRSTEN hollow jet-wave soldering machine, type K5000

Model	K5190P	K5360P	K5360D	K7360D	K5500D
Application	to solder fine line PCB's and fine pitch SMD's, as well as conventional PCB's (through hole), mixed armaments- and selective soldering				
Soldering width	190 mm	360 mm	360 mm	360 mm	500 mm
Pre-heater length	500 mm	500 mm	500 mm	2 x 500 mm	500 mm
Throughput height max.	120 mm	120 mm	120 mm	120 mm	120 mm
Solder angle	7°	7°	7°	7°	7°
Soldering speed m/min	0.35 - 3 m/min	0.35 - 3 m/min	0.35 - 3 m/min	0.35 - 3 m/min	0.35 - 3
Max. PCB dimensions 440/600	190 x 440/600	360 x 440/600	360 x 440/600	360 x 440/600	500 x
Production capacity up to max.	33 frames/h	33 frames/h	72 frames/h	90 frames/h	72 frames/h
- at a soldering speed of	1.0 m/min	1.0 m/min	1.2 m/min	1.2 m/min	1.2 m/min
- and a pre-heater stop of	10 sec.	10 sec.	10 sec.	no stop	10 sec.
- unloading-, loading time	10 sec.	10 sec.	in line mode	in line mode	in line mode
- Incl. automatical programme change	no	no	no	yes	no
Wave height	5 – 25 mm, in mm steps adjustable				
Wave speed approx.	0.8 m/s	0.8 m/s	0.8 m/s	0.8 m/s	0.8 m/s
Max. solder pump capacity approx.	150 kg/min	280 kg/min	280 kg/min	280 kg/min	390 kg/min
Solder contents approx.	18 kg	30 kg	30 kg	30 kg	40 kg
Max. solder temperature	290 °C	290 °C	290 °C	290 °C	290 °C
Heat-up time approx.	55 min	55 min	55 min	55 min	70 min
Oil contents approx.	24 l	32 l	32 l	32 l	32 l
Exhaust air machine approx.	450 m ³ /h	900 m ³ /h	900 m ³ /h	900 m ³ /h	1350 m ³ /h
- (measured at exhaust tubes on the machine)					
Exhaust air fluxer approx.	450 m ³ /h	600 m ³ /h	600 m ³ /h	600 m ³ /h	900 m ³ /h
- (measured at exhaust tubes on the fluxer, only if equipped with jet fluxer)					
Exhaust tube-Ø machine	1 x 140 mm	2 x 140 mm	2 x 140 mm	2 x 140 mm	3 x 140 mm
Exhaust -Ø fluxer	1 x 140 mm	2 x 140 mm	2 x 140 mm	2 x 140 mm	2 x 140 mm
- (only if equipped with jet fluxer)					
Electricity supply ★	3 x 230 Volt ±10%; 50 Hz				
Connection ★	3 x 25 A	3 x 32 A	3 x 32 A	3 x 45 A	3 x 45 A
Electricity supply ▲	3 x 230 Volt ±10%; 50 Hz or 3 x 208 Volt ±10%; 60 Hz				
Connection ▲	3 x 32 A	3 x 45 A	3 x 45 A	3 x 64 A	3 x 64 A
Installed power capacity	10 kW	19 kW	19 kW	26 kW	27 kW
Pre-heater	6 kW	10 kW	10 kW	2 x 10 kW	16 kW
Consumption in stand-by approx.	2 kW	3 kW	3 kW	4 kW	4 kW
Compressed air	6 - 10 bar; approx. 0.1 m ³ /min.				
Length	2870 mm	2870 mm	2975 mm	2975+1800mm	2975 mm
Widths	720 mm	890 mm	890 mm	890 mm	1030 mm
- (+ 160 mm for KIRSTEN exhaust connection)					
Height	1490 mm	1490 mm	1490 mm	1490 mm	1490 mm
Height with open cover	1845 mm	1995 mm	1995 mm	1995 mm	2140 mm
Operation weight incl. solder	370 kg	500 kg	500 kg	500 + 150 kg	620 kg