

# Laser Welding Machine – Technical Sheet



Technical Parameters			
Model	ExpansorLux LWH-1500	ExpansorLux LWH-3000	ExpansorLux LWH-6000
Laser power	1500 W	3000 W	6000 W
Laser source	MAX Photonics	MAX Photonics	MAX Photonics
Power range	10%–100%	10%–100%	10%–100%
Cooling method	Water Cooling	Water Cooling	Water Cooling
Operating temperature	0-45°	0-45°	0-45°
Operating humidity	5-95%	5-95%	5-95%
Maximum wire feed speed	100m/s	100m/s	100m/s
Rated voltage	220 V	380 V	380 V
Electrical supply	1 phase	3 phases	3 phases
Frequency	50 Hz	50 Hz	50 Hz
Product size	900 x 730 x 980 mm	1610 x 720 x 1160 mm	1900 x 950 x 1410 mm
Gross Weight	190 kg	230 kg	340 kg

Welding capacity by material				
Model	Material			
	Carbon steel	Stainless steel	Aluminum	Galvanized sheet
LWH-1500	4 mm	4 mm	3 mm	4 mm
LWH-3000	6 mm	6 mm	5 mm	6 mm
LWH-6000	8 mm	8 mm	6 mm	8 mm

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