

DESIGN SPECIFICATIONS

Nominal Cut Width	As per machine denomination (e.g. Lightning S1500 = 1,500 mm)
Nominal Cut Length	Variable in 1,000 mm increments
Rail Length	Nominal Cut Length + 2,000 mm
Overall Width	Nominal Cut Width + 1,532 mm
Overall Length	Nominal Cut Length + 2,665 mm
Overall Height	1,905 mm
Maximum Traversing Speed	25 m/min

WEIGHT (kg)

	S1500	S2000	S2500	S3000
Profile Cutting System	1,250	1,315	1,380	1,445
Bay Frame	55	60	65	70
Additional Slave Carriage		50		
0.8 m Rail Section			25	
2.8 m Rail Section			85	
3.8 m Rail Section			120	
5.0 m Rail Section			155	

POWER REQUIREMENTS

Input Voltage (U_1)	230 V / 1 Ph / 50 Hz / Earth / Neutral
Input Current (I_1)	3 – 5 A
Input Power ($U_1 \times I_1$)	0.7 – 1.2 kVA
Recommended Fuse Size	16 A
Recommended Cable Size	2.5 mm ² 3 core SY Control Flexible Cable



INFO

Information included on this datasheet is for standard ESPRIT Lightning S installations, i.e. Single Plasma Arc Cutting Systems. For larger systems, complex installations or refurbished machines, contact the ESPRIT Engineering Department for details.

A space of at least 500 mm is recommended between the system and any obstruction for safety and to allow proper access for maintenance. The floor must be made from concrete at least 150 mm thick and be firm and level to within ± 15 mm over the length of the machine.

Actual cut width is dependent on the configuration and number of torch carriages fitted to the system. Additional carriages will reduce cut width. Contact the ESPRIT Engineering Department for details.

