

DESIGN SPECIFICATIONS

Nominal Cut Width	As per machine denomination (e.g. Lightning HD1500 = 1,500 mm)
Nominal Cut Length	3,000 mm, 4,000 mm, 6,500 mm & 8,500 mm
Overall Height	1,615 mm
Maximum Traversing Speed	40 m/min

OVERALL DIMENSIONS (mm)

		HD1500	HD2000	HD2500
3,000 mm	Width	2,490	2,990	3,540
	Length	5,070	5,070	5,070
4,000 mm	Width	2,490	2,990	3,540
	Length	6,050	6,050	6,050
6,500 mm	Width	2,490	2,990	3,540
	Length	8,840	8,840	8,840
8,500 mm	Width	2,490	2,990	3,540
	Length	10,700	10,700	10,700

WEIGHT (kg)

	HD1500	HD2000	HD2500
3,000 mm	2,005	2,185	-
4,000 mm	-	2,420	-
6,500 mm	2,980	3,160	3,345
8,500 mm	3,450	3,660	3,870

POWER REQUIREMENTS

Input Voltage (U ₁)	415 V / 3 Ph / 50 Hz / Earth / Neutral
Input Current (I ₁)	4.5 A
Input Power (U ₁ x I ₁ x √3)	3.2 kVA
Recommended Fuse Size	16 A
Recommended Cable Size	2.5 mm ² 5 core SY Control Flexible Cable



INFO

Information included on this datasheet is for standard ESPRIT Lightning D installations, i.e. Single Plasma Arc Cutting Systems up to a cut length of 6.5 m. For larger systems, complex installations or refurbished machines, contact the ESPRIT Engineering Department for details.

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.

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.

