

DESIGN SPECIFICATIONS

Nominal Cut Width	As per machine denomination (e.g. Viper 1500 = 1,500 mm)
Nominal Cut Length	Variable in 1,000 mm increments
Rail Length	Nominal Cut Length + 3,000 mm
Overall Width	Nominal Cut Width + 1,393 mm
Overall Length	Nominal Cut Length + 3,413 mm
Overall Height	3,008 mm (with Overhead X Axis Cable Chain) 1,908 mm (with Floor Mounted X Axis Cable Chain)
Maximum Traversing Speed	20 m/min

WEIGHT (kg)

	Viper 1500	Viper 2000	Viper 2500	Viper 3000	Viper 3500	Viper 4000
Profile Cutting System	1,270	1,320	1,370	1,420	1,520	1,570
Additional Slave Carriage			50			
2 m Rail Section			230			
4 m Rail Section			360			
5 m Rail Section			440			
6 m Rail Section			530			

POWER REQUIREMENTS

Input Voltage (U ₁)	415 V / 3 Ph / 50 Hz / Earth / Neutral
Input Current (I ₁)	6 – 9 A
Input Power (U ₁ x I ₁ x √3)	4.3 – 6.5 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 Viper installations, i.e. Single Plasma Arc Cutting Systems up to a cut width of 4 m. 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.

