

CNC Plasma Cutting System

DESIGN SPECIFICATIONS

Nominal Cut Width	1,500 mm
Nominal Cut Length	3,000 mm
Nominal Cut Height	807 mm
Maximum Loading Capacity	3 mm mild steel plate (occasional 6 mm)
Overall Width	2,240 mm
Overall Length	4,500 mm
Overall Height	1,707 mm
Extraction Outlet Size	Ø233 mm x 60 mm spigot (suitable for NW225 ducting)
Max. Traversing Speed	28 m/min
Weight	1,150 kg

POWER REQUIREMENTS

Input Voltage (U ₁)	230 V / 1 Ph / 50 Hz / Earth / Neutral
Input Current (I ₁)	1.8 A
Input Power (U ₁ x I ₁)	0.4 kVA
Recommended Fuse Size	16 A
Recommended Cable Size	2.5 mm ² 3 core SY Control Flexible Cable

GAS REQUIREMENTS

Gas	Quality	Pressure	Flow Rate
Air	Clean, dry, oil-free	620 kPa (90 psi)	Negligible

EXTRACTION RATE

≤65 A	1,350 m ³ /h
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INFO

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.

When specifying a suitable filtration system or fume extraction fan it is important to take in to account pressure losses through the system. ESPRIT recommends the use of centrifugal fans as they generate large differences in pressure and can produce airflows against considerable resistance. Axial fans are not suitable.

Please consult your local supplier for more information and compliance with Local Exhaust Ventilation (LEV) regulations.

