

Machine Name : Spark eroder

Brand : Mitsubishi

Machine Model : EA12PS

Stock No. : 813006

Ex-factory Date : 2015



Main Technical Parameters:

Three-axis travel (X × Y × Z): 400 × 300 × 300 mm

Maximum workpiece dimensions (W × D × H): 900 × 650 × 350 mm

Maximum dielectric fluid level height: 100–400 mm

Power supply (optional) / peak current: FP80PS / 80 A; FP120PS / 120 A

Internal working tank dimensions (W × D × H): 950 × 700 × 450 mm

Working tank / door type: Three-sided drop tank

Maximum workpiece weight: 1000 kg

Worktable size (W × D): 700 × 500 mm

Maximum electrode weight (on worktable): 80 kg

Distance from worktable to electrode plate: 200–500 mm

Distance from worktable to C-axis chuck (EROWA ITS): 200–500 mm

Distance from worktable to C-axis chuck (3R MACRO): 183–483 mm

Minimum command unit / resolution: 0.0001 / 0.00005 mm

Rapid traverse speed: 7 m/min

Maximum high-speed jump speed: 25 m/min

X, Y, Z-axis glass scale resolution: 0.05 µm

Filters: 2 pcs., paper cartridge type

Filter tank capacity: 470 L

Machine dimensions (W × D): 1725 × 2130 mm

Machine installation height: 2420 mm

Machine weight: 3500 kg

C-axis minimum indexing angle: 0.001°

C-axis speed range: 1–30 rpm

Working fluid temperature control: Chiller, standard

Built-in spindle (optional) speed range: 1–1500 rpm

Automatic tool changer capacity: 40 tools

Power supply requirements: 200/220 VAC ±5% (FP80PS: 7 kVA; FP120PS: 10 kVA)

Compressed air requirements: 2.7 cu. ft./min @ 90–100 psi

Configuration: C-axis included

3R chuck: Included



