

Machine - Datasheet

Machinetype: Wire EDM
 Make: MITSUBISHI
 Type: MV1200S
 New in: 2016
 Control: CNC
 Origin: Japan
 Term of delivery: on request
 Quotation: ex-works
 Description: -



Technical Details / Accessories / Additional

Technical details	Dimension	Unit
<u>Machine:</u>		
Travel-X	400	mm
Travel-Y	300	mm
Travel-Z	220	mm
Travel-U	120	mm
Travel-V	120	mm
Taper (workpiece height)	15/200 30/87	° / mm
Maximum workpiece dimensions (WxDxH)	810 x 700 x 215	mm
Maximum work-piece weight	500	kg
Table dimensions (Wxd)	640 x 450	mm
Table layout: 3-pages table to level	Z = 0	
Possible wire diameter	0.1 0.3	mm
Wire coil recording	10	kg
Automatic wire Threading/wire chopper	Yes	
Overall dimensions (WxDxH)	2025 x 2760 x 2015	mm
Machine weight	2700	kg
Power supply: 3 phases	400V/AC +/-10%, 50/60 Hz, 13 kVA	
<u>Filter system:</u>		
Tank capacity	550	L
Filter unit / number of filter elements	3/2	µm
Temperature control: Dielectric cooling unit		
Weight (without filling): included in the weight of the machine		

Subject to alterations (prior sales and errors excepted).

Generator:

Power unit: Regenerative transistor controlled pulse generator

Cooling method: fully sealed / indicative air cooling

Maximum operating current 50 A

Dimensions (WxDxH) 600 x 650 x 1765 mm

Weight 240 kg

Control:

Input options: Keyboard, USB stick, Ethernet

TFT color monitor / control system: 15 "-touchscreen / CNC, closed circuits"

Min. command step (X/Y/Z/U/V) 0.1 µm

Min. axis resolution 0.05 µm

Facilities:

Optical drive system with linear scales (Y/Y): Yes

Digital AE II-generator / fine simplicity: Yes

Manual vertical front sliding door: Yes

DNC-FTP / Ethernet: Yes

Additional information:

Machine body weight: 2700 kg

Generator weight: 240 kg

Height of the machine: 2015 mm

Required minimum dimensions for

Door / gate passages (Wxh) 1910 x 2015 mm

1: power supply

3-phase 400 V / AC, ± 10%, 50/60 Hz

Secure supply at least 32 A slow

If necessary, dependent on generator transformer

A transformer with the belongs to the machine

Dimensions WxDxH (1.2 m x 0.4 m x 1.2 m)

Weight 300 kg

The transformer is at a distance of up to 5 m to the machine to place. This is the maximum cable length to the cross-section take into account. The data are from the records of the transformer to remove. (Cable not included)

The connection of the supplied transformer must be due to the regional differences in rules of the electricity by be provided by the customer electrician.

2: water supply: single filling of the system with water.

no fixed water connection necessary

Subject to alterations (prior sales and errors excepted).

3: pneumatic connection 5-7 kgf/cm³» 500-700 kpa
Airflow minimum 42 l / min, (more than 75 l/min AT system)
with 0.1 mm wire diameter)
3/8 "hose connection

4: networking

5: The EDM system should be based on a suitable hard industrial floor, preferably compacted concrete floor, to be placed.
Does not include any scope of MITSUBISHI
required increasing screening in accordance with EMC Directive.

Subject to alterations (prior sales and errors excepted).