

# KAIYUAN

## SAW Catalogue

Proven Machine Proven Performance



## High Reliability Design for Heavy Duty Applications

### ZD5-1200EJ

This is a heavy duty Thyristor (SCR) controlled CC/CV power source suitable for Submerged Arc Welding (SAW), Carbon Air Arc Gouging (CAAG), Electro Slag Welding (ESW) and Strip Cladding. Backed by proven performance, rugged and reliable design and a wide range of protective features make it ideal for customers across all the applications segments. The state of the art control circuit features stable welding current to assure best welding quality.

*Over 40,000+ machines  
in operation world wide*



#### Salient Features:

- Heavy Duty – 1200A / 70%
- Operating Mode – CC/CV
- Suitability – SAW, CAAG, ESW
- Digital Display – V/A
- In-built Protections
  - Over Current
  - Over Heat
  - Over / Under Voltage
  - Phase Fault
  - Control Cable Short Circuit
  - High Frequency (HF) interference
  - Operation at high ambient

Specifications	ZD5-1200EJ
Control Mode	Thyristor
Mains supply	415V ±15%, 3Ph, 50Hz
Rated input power	83 KVA
Rated no load voltage	74V
Output current range	200 – 1200A
Full load rating	1200A / 70%
Continuous load	1000A / 100%
Protection class	IP21S
Insulation class	200°C
Dimensions, l x w x h	880 x 590 x 925 mm
Weight	310 Kg

## Heavy duty SAW Tractor Mounted head

### MZC-1250 F36

This is a Tractor mounted SAW Head suitable for operating with ZD5-1200EJ, KID 1200. Power Sources. Tractor Mounted SAW Head + Control Panel (MZC-1250 F36).



Specifications	MZC- 1250 F36
Wire diameter	2.4 – 4.8 mm
Arc striking mode	Retract/Touch
Wire feed speed	35-330 cm/min
Welding speed	15-125 cm/min
Wed Head rotating Angle	360 deg
Left And Right Adjustment Angle	45 deg
Front & Back Adjustment Angle	45 deg
Wire Reel capacity	25 kg
Flux capacity	8 Litres
Tractor Weight	55kg

### Salient Features

- Touch Sense – precise control of retracting during arc start ensures 100% ignition rate
- Parameter Preset – welding voltage, current and speed
- Stick Out Control – stable welding current in case of stick out variation, improved reliability
- Non Explosive Arc Start – smooth arc start eliminates weld defects and delivers perfect weld
- Smooth Manual slide for the X-Y motion of the torch during welding
- Knurled Roller – Single feed roller for 2.4 – 4.8mm wire diameter range reduces inventory and saves cost of wear parts
- Laser Pointer – clear visibility of operation even in inadequate light
- Wire Selector switch: Close loop communication between the peripherals to ensure perfect weld quality with the wire used

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