

## RS 500 MW



### Properties

- Operates with 3 Phase 400V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 15%.
- Excellent welding characteristics with all types of solid and flux cored wires with CO<sub>2</sub> or Mix gases.
- Separate wire feeding units are standard. Open Cabinet and Smaller Wire Feeding Units for 5 kg (D200) spools options are available.
- 4 roll drive system offers good feedability with long torches and offers less deformation on soft wires such as aluminum and flux cored wires.
- The Separate wire feeder standard harness length is 5 m and can be extended up to 30 m upon request.
- Optimum welding parameters can be obtained from the printed table inside of the wire feed cover.
- Wire feed speed and 2/4 trigger adjustments are on the front panel, Soft Start, Pre-Gas, Post-Gas, Burn-Back timer settings, manual wire feeding & gas valve buttons are inside of the wire feeding cabinet.
- Welding voltage is adjusted from the course and fine switches; increments are optimized to obtain welding parameters with lowest spatter levels.
- Digital displays on the power source for adjusting and monitoring of welding parameters.
- Multiple workpiece connections (Inductance outlets) enables optimum parameter adjustment for low spatter welding.
- ø300 mm, ø270 mm and ø200 mm spools and drums of any size can be used.
- 220V AC outlet for CO<sub>2</sub> gas heater.
- Built in gas cylinder platform with large wheels to ease mobility in workshops.
- Fan cooling and thermal protection against overheating.

- For water-cooled (W) models, provides powerful water cooling up to 50 m distance and 40°C ambient temperature.
- Standard accessories come with the machine.

**Technical Specifications**
**Power Source**

Mains Voltage (3Ph)	400	V
Input Power	28.3 (%40)	KVA
Welding Current Range	45 - 500	A
Nominal Welding Current	500 (%40)	A
Open Circuit Voltage	19 - 53	V
Voltage Adjustment Steps	3 x 10	
Dimensions (l x w x h)	1020 x 590 x 1515	mm
Weight (Net)	215	kg
Protection Class	IP21	



**Wire Feeder System**

Welding Wire Diameter	0.80 - 2.40	mm
Standard Roller Groove Size	1.00 - 1.20	mm
Wire Feeder Roller Diameter	4x37	mm
Wire Feeding Speed	1 - 24	m/min
Torch Trigger Control	2 / 4	
Spool Capacity	20	kg
Weight (Net)	25	kg
Dimensions (l x w x h)	560 x 225 x 450	mm



**Water Cooling Unit**

Cooling Power	2.11	kW
Dimensions (l x w x h)	770 x 490 x 280	mm
Weight (Net)	33.50	kg

**Standard Accessories**

Accessories Picture	Code	Name	
	7907000002	Gas Hose	Standard
	7905407005	EARTH CLAMP and CABLE	Standard

**Optional Accessories**

Accessories Picture	Code	Name	
	7120050003	LAVA MIG 50W-3	Optional
	7020001004	ARGON PRESSURE REGULATOR	Optional