

TECHNICAL SPECIFICATION OF CO2 WELDING MACHINE

Technical Specification of Power Source:

1	Power Source Type	Digitally controlled, Heavy duty, with latest IGBT inverter welding power technology having both CC and CV characteristics suitable for MIG/MAG & MMA welding applications.	
2	Input Supply	400V.....+ plus 20%15%, 50Hz..., 3 Phase	
3	Connection Capacity	21 KVA	
4	Loading Capacity (at 10 min duty cycle & 40 degree C ambient)	300 amps @ 100 Duty Cycle	
5	Open Circuit Voltage	50 V DC	
6	Welding Current & Voltage Range MMA MIG	10--300 A 106 37 V	
7	Open Circuit Power (No load)	25 Watt. (Max)	
8	Operation temperature	20 degree C440 degree C	
9	Temperature Class	H (180degree C)	
10	Degree of Protection	IP 23 C	
11	Weight Power Source	34 Kg	
12	The welding plant confirmed to the following IEC and EN- Standard	EN 60974-1- Safety requirement for arc welding plant IEC 60974-1 part-1 for Welding power source EN 501199 Electromagnetic compatibility (FMC)	
Technical specification of Wire Feeder			
1	Connection Voltage (Safety Voltage)	50 V DC	
2	Rated Power	100 W	
3	Max. Load 60% 100%	520 A 440 A	
4	Feed Mechanism	4 Roll (All Powered & Grooved quick Changeover Type)	
5	Wire Feed Speed Range	0 to 25 Mtrs. per min.	
6	Filleer Wire Ø mm	Fe, Se	0.6- 2.4
		Flux Cored	0.8-2.4
		Al	1.0-2.4
7	Wire Reel (to be housed inside enclosure)	Max. Wt. Max. Ø	20 Kg. 300 mm
8	Gun connector	EURO	
9	Degree of Protection	IP 23C	
10	Weight of wire feed unit	11.1 Kg. Max.	

Water/Liquid Cooled MIG Welding Gun PMT 35

Current Rating	350 Amps to 35% duty cycle
Wire Diameter Capabilities	Hand wires 0.8 to 1.6mm Ø
Length of the Torch Cable construction	3.0 Meters. Integrated type duly armoured with bell joints at the neck
Torch Switch	Fully enclosed type spring leaf make and break. 2T/4T selection to be active from operation panel.
Gun Remote	Remote Control unit fitted on the gun for parameter control through 1 ó knobe adjustment & retrieval of 5 memory channels.
Type cooling	Air Cooled
Make	KEMPPI OR Similar



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