

# Co2 MIG / MAG Machine



## Features

- › MET-WELD make Co2 MIG (MAG) provides faster production in heavy and light automobile industries, heavy pipe line, vessels, tanks and structure fabrication. The weld ripple-free, no spatter, easy cleaning and no need to grind minimizes labour cost and speedy production. The process can use for M.S., S.S. and Aluminium welding and also by Flux Core Wires.

## Advantages

- › To be used for minimum sheet thickness of 0.6mm High fusing capacity Suitable for solid wire as well as flux cored wire Concentrated heat application Low deformation of welded parts.

## Equipment Consists Of

- › Power Source, Wire Feeder – 2/4 Roll drive, Torch, Flow meter, Pressure Regulator.

## Power Source

- › Constant voltage / Current Power source Thyristorised / Trans ducting Controlled Fitted with Amps and Voltmeter.

## Welding Head (Wire feeder)

- › Two / Four Rollers driven alloy steel hardened. Gas Pre/ post flow to eliminate contamination of the weld. Light weight. Quick change over spool low down time. Thyristorised D.C. driven. Permanent magnet motor Wire inching and gas checking.

## Torch

- › Heavy duty, Light weight, Flexible cable, Gas / Water cooled torch. 3 Mtrs. Long cable.

| PARAMETERS                       | MP-250                                      | MP-400      | MP-600      |
|----------------------------------|---|-------------|-------------|
| Supply Voltage                   | 380-440V                                    | 380-440V    | 380-440V    |
| Phase                            | 3   | 3           | 3           |
| Frequency                        | 50 Hz                                       | 50 Hz       | 50 Hz       |
| Open Circuit Voltage             | 18-38V                                      | 18-52V      | 18-56V      |
| Welding Current Range            | 50-250A                                     | 70-400A     | 100-600A    |
| Welding Current @60% Duty Cycle  | 250 A                                       | 400 A       | 600 A       |
| Welding Current @100% Duty Cycle | 180 A                                       | 315 A       | 480 A       |
| KVA Rating @60% Duty Cycle       | 8.8 KVA                                     | 22.5 KVA    | 35 KVA      |
| KVA Rating @100% Duty Cycle      | 6.5 KVA                                     | 17 KVA      | 27 KVA      |
| Insulation Class                 | F   | F           | F           |
| Cable Section mm <sup>2</sup>    | 16  | 22          | 35          |
| Permissible Wire Dia (mm)        | 0.8-1.2                                     | 0.8-1.6     | 0.8-2.4     |
| Type of Cooling                  | Forced Air                                  | Forced Air  | Forced Air  |
| Type of Winding                  | Copper                                      | Copper      | Copper      |
| Dimension (mm)                   | 770x440x660                                 | 830x490x730 | 880x540x730 |
| Weight (Kg)                      | 105   | 200         | 840         |
| WIRE FEEDER                      |   |             |             |
| Drive System                     | 2-Roll                                      | 4-Roll      | 4-Roll      |
| Wire Drive Motor                 | Permanent Magnet DC Motor 42 Volt / 60 Watt |             |             |
| Wire Feed Speed                  | 1.2 – 18 Mtr / min                          |             |             |