

WELDCRAFT Co2 WELDING MACHINES



CO2 WELDING MACHINE

Salient Features:

- Light Weight, compact and easily portable.
- Fine voltage selector switches for precise voltage adjustments.
- Provision for pre-selection of precise OCV through separate set/ weld switch.
- Fully protected against overload or fan failure.
- In-built choke for excellent dynamic characteristics and smooth metal transfer

Wire Feeder:

- DC, solid state, Thyristorised drive.
- Accommodates up to 305 mm Ø reel of welding wire.
- Adjustable breaking device to prevent overrun of wheel, when drive stops.
- Normal, latching , two track and four track facility available.
- Preflow, postflow and burn off times independently adjustable

Torches:

- More than 15 models of torches are available to suit individual requirements.
- Lightweight handles with provision for mechanical as well as micro switches.
- Current carrying members are made out of Cr.Cu or Be.Cu for extra long life.
- Contact tips and tip adapters are manufactured out of Cr.Cu and Be.Cu alloys.

TECHINICAL SPECIFICATION:

POWER SOURCE	MODEL 251	MODEL 301	MODEL 401
Input Supply Voltage (V)	415	415	415
Maximum Input Current (A)	22	35	47
Frequency (Hz)	50	50	50
Phase (No.)	3	3	3
Duty Cycle (%)	60	60	60
Duty Cycle (%)	60	60	60
Max. Welding Current (A)	251	300	400
Open Circuit Voltage (V)	17-49	17-49	17-49
Voltage Taps (No)	24	24	24
Insulation (Class)	H	H	H
Cooling (Type)	Forced air	Forced air	Forced air
Dimensions W x H x D (mm)	460 x 490 x 650	540 x 640 x 750	540 x 640 x 750
Approximate Weight (kg)	100	120	120

WIRE FEEDER - MODEL WF-234

Wire (mm)	0.8,0.9, 1.0,1.2	0.8,0.9, 1.0,1.2,1.4	0.8,1.2, 1.4,1.6
Wire Feeding Speed (mm/min)	1.5 -18	1.5 -18	1.5 -18
Drive System Type	Double Feed roll	Double Feed roll	Double Feed roll
Dimensions W x H x D (mm)	250 x 375 x 530	250 x 375 x 530	250 x 375 x 530
Approximate Weight (kg)	24	24	24

WELDING TORCH	250 Amp	300 Amp	400 Amp
Curved & Straight (Type)	Curved	Curved	Curved
Rated Welding Current (A)	250	350	400
Rated duty cycle (%)	60	60	60
Applicable Wire (mm)	0.8,0.9, 1.0,1.2	0.8,0.9, 1.0,1.2,1.4	0.8,1.2, 1.4,1.6,
Cooling (Type)	Air cooled	Air cooled	Air cooled
Length of Flexible conduit (m)	3	3	3

Other Products:

▪ AC/DC Transformers	▪ Rectifiers	▪ Butt Welders	▪ Spot Welders
▪ Mig / Tig M/cs	▪ Stud Welders	▪ Accessories / Spares	▪ Cr Cu Electrodes / Tips



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