

# Sohal<sup>®</sup>

## INVERTER MIG / MAG / ARC WELDER

### Salient Features:

- > Latest DIGITAL IGBT Technology
- > Power Saving Inverter Technology
- > Ideal for automotive work with minimum current of 50-amp
- > Lower spatter
- > Stable arc at full current range
- > Separate Wire Feeder
- > 3-core control wire
- > Volt and current display
- > MIG and MMA combined power source
- > 3-level IGBT Protected
- > Thermal and short circuit protected
- > MCB for On-OFF and protection



The DRX series of Mig welders are Industrial Mig Welders for Three Phase power supply. These have 3 models in 250, 300 and 400 amperes. These are most suitable machines for industrial work.

MODELS: DRX250 / 300 / 400



The DRX series machine built using industries latest inverter technology based on digital control and features all enhancements to achieve long & durable life of machine. The IGBT's are protected by 3-level safety technique hence breakdown gone to rare cases. The machines have 3-core control cable instead of 10 core cable as usual comes with Chinese machines, it gives ease of increasing length and re-joining, if braked by pulling. The controls are so simple to quickly set by operator. One knob for volt on power source and one on wire feeder for wire speed adjustment. If operator want to use Arc welding then change the selector switch to MMA the same volts knob function as current control knob for welding machine and the display instantly converted to current setting display.

This light weight machine comes with high power and support for 300mm 12 Kg wire spool.

These machine consume less power than old technology diode and thyristor base bulky machines. Wire feeder have solid state reliable motor drive and electronic break. The LCD display in front of machine shows preset Volts and live amperes and other useful information. These machines does not require power factor controller because their PF never lag below 0.93.

The Power Source and wire feeder are back-ward compatible with diode base RX series machines and PCB's are Plug in type for fast maintenance. In few words the DRX series robust design gives superb performance and

### **Power Source:**

ITEM	UNIT	DRX250	DRX300	DRX400
Supply	Volts	415	415	415
Phase	Phase	3	3	3
Freq.	Hz	50/60	50/60	50/60
Rated KVA	KVA	8	9.5	15.5
Power Factor	Lag	0.93	0.93	0.93
OCV	Volts	65	70	70
Output Volts	Volts	16-30	16-34	16-38
Output Ampere	Ampere	50-250	50-300	50-400
MMA Ampere	Ampere	20-250	20-300	20-400
Duty Cycle	%	60	60	60
Cooling	Type	F.A	F.A	F.A
Insulation Class	Class	H	H	H
IP Rating	IP	21	21	21
Dimensions	LxWxH (in)	22x12.5x22	22x12.5x22	22x12.5x22
Weight	Kg	34	40.5	44.5

### **Wire Feeder:**

Wire Diameter	mm	0.8	0.8 / 1.2	0.8 / 1.2
Drive System	Type	PM MOTOR	PM MOTOR	PM MOTOR
Feed Mechanism	Type	Double Roll	Double Roll	Double Roll
Wire Speed	m/min	3 to 18	3 to 22	3 to 22
Dimensions	LxWxH	20.5x8.75x14	20.5x8.75x14	20.5x8.75x14
Weight	Kg	14.1	14.1	16.0

Complete Unit → POWER SOURCE + WIRE FEEDER + TORCH + WORK CABLE  
 + Co2 REGULATOR with HEATER & FM. + WIRE CUTTER + WELDING SCREEN & GLASSES

Note: Arc Welding Accessories Optional.

**Sohal**<sup>®</sup> **ELECTRIC WORKS**

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