

- 16 Voltage Steps.
- Compact Dimensions.
- Uniform OCV Steps.
- Enhanced Feeder Life.
- Stable Feedback.
- Constant P.F.
- Double Star Transformer.
- Extra High Speed Feeder.
- Gas Wire Check feature.
- Ferrite Magnet Motor.
- Solid State Motor Drive
- 3 Wire Control Lead
- Heavy Duty Torch.
- 125 Watt Heater.
- 100% Tested.

Sohal



IN VIEW OF SAFETY THE INSULATION TESTING HAS BEEN DONE AT 2500 VOLT

MIG/MAG WELDERS

The XL series of Mig welding are excellent machines. These produces uniform weld bead and low spatter as a result of double star transformer fitted with a reactor and a DCL working together. The transformers and Inductors are copper wound, so there is no degradation year after year working, as in aluminum wound machines. XL series have 16 voltage steps to control the output power by two switches one is for quick setting and another one for fine setting. The combination of two switches has more durability rather than a single switch. The output brass terminal has been replaced with copper strip insulators. The wire feeder unit contains solid state motor drive and solid state motor break with control circuit combined in one plug in PCB, this gives quick maintenance tasks and three core wire connection with power source. It has also advantage over conventional six core wire control because three core wire is easily available so one can increase the cable length himself. When talking about feeder motor, now we have technical enhanced permanent ferrite magnet 24 Volt 2 wire DC motor. The welding torch with machine have external switching plug which ends the loose connection problem. All the parts have arranged in order to give maximum utilization. All of these and satisfactory feedback from renowned customers prove this XL series an even best machines.

TECHNICAL SPECIFICATIONS:

ITEM	MODEL	UNIT	202-XL	402-XL
POWER SOURCE				
Rated input voltage		Volt	400	400
Supply voltage		Volt	415±10%	415±10%
Rated frequency		Hz	50	50
Phase		Phase	3	3
Rated power		KVA/KW	9.5/7.8	15/13.5
Rated duty cycle		%	60	60
OCV		Volt	22-45	24-52
Output current		Ampere	50-250	80-400
Type of transformer		Type	Double star	Double star
Cooling		Type	Forced air	Forced air
Insulation		Class	Class F	Class F
Max. Dimensions (W, D, H)		Inches cm	18, 32.5, 29 46, 83, 74	18, 36.5, 30 46, 83, 76
Weight		Kg	143	185
WIRE FEEDER				
Applicable Wire Diameter		mm	0.8	0.8 / 1.2
Wire Speed		m/minute	22	22 / 18
Drive System		Type	24-Volt Permanent magnet DC motor	24-Volt Permanent magnet DC motor
Feed Mechanism		Type	Double Roll Quick Change over type	Double Roll Quick Change over type
Max. Dimensions (W,D,H)		inches cm	9, 23.5, 13 23, 60, 33	9, 23.5, 13 23, 60, 33
Weight		Kg	15	16
TORCH				
Rated current		A	250	400
Duty Cycle		%	60	60
Length		m	3	3

Complete unit: POWER SOURCE, WIRE FEEDER, WORK CABLE, TORCH
CO₂ REGULATOR WITH HEATER & FM., WIRE CUTTER, WELDING SCREEN & GLASSES

SOHAL ELECTRIC WORKS

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