

ARC 630i

MMA Welding with Long Lead and Arc Gouging



Arc 630i

Rugged and Versatile

Arc 630i is heavy duty IGBT based inverter power source suitable for MMA welding, Air Carbon Arc Gouging (A-CAG), Scratch TIG and designed for 24x7 usage.

- Stable performance with long leads in MMA with E6013 and E7018 electrodes
- Wide operating window: 20 to 630A
- Wide mains voltage tolerance: 400V -15% ... +20%
- User-friendly controls: adjustable arc force & hot start in MMA mode and process selection switch for MMA / Scratch TIG
- In-built protections: over current, thermal overload, over voltage, under voltage.

Visit **www.esabindia.com** for more information.

Application Areas

- Heavy fabrication
- Construction and erection projects
- Cement plants
- Process plants
- Repair and maintenance



Specifications / Technical data

Mains voltage, V/Ph, Hz	400 -15% ... +20% / 3, 50 / 60
Effective input current, A	45
Open circuit voltage, V (without VRD)	85
Open circuit voltage, V (VRD activated)	< 16
Output current range, A	20 – 630
Maximum load at 60% duty cycle, A	630
Maximum load at 100% duty cycle, A	488
Power factor at full load	0.93
Efficiency (max)	85%
Dimensions, l x w x h, mm	650 x 355 x 624
Weight, Kg	59
Operating temperature, deg C	-10 to +40
Enclosure class	IP21
Insulation class	F
Application class	S
Standards of conformity	IEC 60974-1, IEC 60974- 10

Ordering Information

Description	Part number	Description	Part number
Arc 630i	4610643002	Heavy Duty Earth Clamp 600	2002002001
HFR Weld Cable Cu 70sq mm	4600600183	Hand Shield Armour (83 x 108mm)	2001001004
HFR Weld Cable Al 95sq mm	4600600192	Eco Arc-II Helmet (83 x 108mm)	0700000986
Holder Handicool HC 600	2002001001	Welding Hand Gloves L	2001005001

Note: Arc 630i is delivered 3m mains cable, 2nos OKC connector and 10m Remote control unit.

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