

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 – mains over/under-voltage & over-heating

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	Arc 630i
Mains voltage, V/Ph, Hz	400 -15% ... +20% / 3, 50 / 60
Effective input current, A	53
Open circuit voltage, V (without VRD)	85
Open circuit voltage, V (VRD activated)	< 20
Output current range, A	20 – 630
Maximum load at 60% duty cycle, A	630
Maximum load at 100% duty cycle, A	490
Power factor at full load	0.89
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
Application class	S
Standards of conformity	EN 60974-1
	EN 60974-10

Ordering Information			
Description	Part number	Description	Part number
Arc 630i	4610643000	Holder Handicool HC 600	2002001001
Wheel Kit (Arc 630i)	4610643001	Eco Arc Helmet (83x108 mm)	0700000941
Remote RCU-Arc 630i 5m	4610643002	Welding Hand Gloves L	2001005001
HFR Welding Cable Cu 70 sq mm	4600600163		
Note : Arc 630i is delivered with 3m mains cable and 2 nos. Male OKC type quick connectors.			

Eastern Regional Office
P41 Taratala Road
Kolkata 700 088
Tel : (033) 2401 9671
Fax : (033) 2401 4427
Email : eqptsales.er@esab.co.in

Western Regional Office
501/502, 5th Floor, Sagar Tech-B
Andheri Kurla Road, Saki Naka
Andheri East, Mumbai 400 072
Tel : (022) 2851 7386
Fax : (022) 2852 4974
Email : eqptsales.wr@esab.co.in

Northern Regional Office
239 – 240, DLF Tower
Shivaji Marg, Near Karampura
Crossing, New Delhi 110 015
Tel : (011) 4142 7091
Fax : (011) 4142 7099
Email : eqptsales.nr@esab.co.in

Southern Regional Office
13, Industrial Estate, III Main Road,
Ambattur, Chennai – 600 058
Tel : (044) 4295 7894 / 95
Fax : (044) 4295 7889
Email : eqptsales.sr@esab.co.in

Central Regional Office
No. 218, Ashirvad
South Ambazari Road
Bajaj Nagar, Nagpur 440 010
Tel : (0712) 222 9547 / 48
Fax : (0712) 222 9549
Email : eqptsales.cr@esab.co.in



ESAB / esabindia.com

Regd & H. O. : ESAB INDIA LIMITED
13, Industrial Estate, III Main Road
Ambattur, Chennai – 600058
Email: equipment.sales@esab.co.in



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