

Buddy 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

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	41
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	490
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	IP21S
Insulation class	F
Application class	S
Standards of conformity	EN 60974-1 EN 60974-10

Ordering Information			
Description	Part number	Description	Part number
BuddyArc 630i	0700300905	Heavy Duty Earth Clamp 600	0160288001
HFR Welding Cable Cu 70 sq mm	0800000404	Remote Control ,10m	0700300911
Electrode Holder EHSK - 60	EHSK600000	Wheeling kit	0700301010
Note: Arc 630i is delivered with 3m mains cable and 2 x Male OKC type quick connectors.			

2016-07-10 / ESAB reserves the right to alter specifications without prior notice



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