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E-SERIES

INVERTER DC ARC/ E161 1 9-22

INVERTER DC ARC/ E201 1 9-22

INVERTER DC ARC/ E401 1 9-22



PROFESSIONAL IN WELDING

INVERTER DC ARC/ E161/E201/ E401

■ designed
■ developed &
■ quality controlled
■ in germany



Quick Specs



Processes :
 ARC (Stick)
 Applications :
 Construction industry
 Metal workshops
 Agriculture
 Repair and maintenance
 Input Power :
 E161 ARC: 230V,1-Phase
 E201 ARC: 230V,1-Phase
 E401 ARC: 400V, 3-Phase
 Amperage Range:
 E161 ARC: 10A-160A
 E201 ARC: 10A-200A

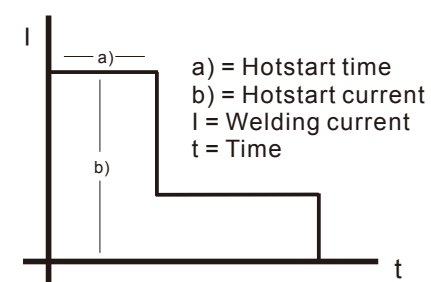
E401 ARC: 30A-400A
 Rated Output at 40 ° C (104°F):
 E161 ARC: 160A @40% Duty Cycle
 124A @60% Duty Cycle
 101A @100% Duty Cycle
 E201 ARC: 200A @40% Duty Cycle
 155A @60% Duty Cycle
 126A @100% Duty Cycle
 E401 ARC: 400A @60% Duty Cycle
 310A @100% Duty Cycle
 Weight : E161/10.59KG E201/10.59KG
 E401/23.6KG

TOP Features:

- ARC
- A shell made of steel plate and high strength plastic.
 - The welding spatter is reduced, reducing the cleaning process after welding.
 - Control the input heat, the deformation is small.
 - Strong structural construction that can be used at the site.
 - Antilocking function.
 - Hot start current and hot start time adjustable.
 - Adjustable arc force.

HOT START

Hot Start adaptive control provides positive arc start without sticking



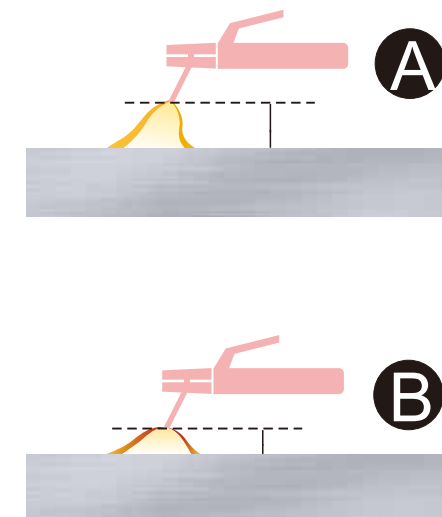
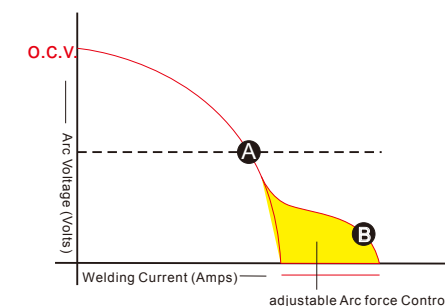
100% suitable for construction sites



Perfect for large construction sites and very tough assembly work with mains supply leads up to 50 metres or connected directly to a generator. High tolerance to mains fluctuations ensures a perfect welding result.

Arcforce correction (welding characteristics)

Arcforce is a setting that allows you to adjust the arc to soft smooth arc to a more aggressive digging arc. Setting high is to bump up amperage when you have a really tight arc so that you keep welding.



INVERTER DC/ARC/ E161/E201

Technical specifications

Item No	E161	E201
	ARC	ARC
Rated Input Voltage	1x230 V (±15 %)	1x230 V (±15 %)
Load Power Capacity	5.3KVA	7.1KVA
Rated Duty Cycle	40 °C	40 °C
40%	160A	200A
60%	124A	155A
100%	101A	126A
Welding Current/Voltage Range	10 A -160 A	10 A -200 A
Open Circuit Voltage	70-80V	70-80V
cos φ	0.93	0.93
Efficiency	85%	85%
Empf. Generatorleistung	7.5kVA	9.9kVA
Dimension (LxWxH)	395X180X375mm	
Weight (KG)	10.59KG	
Schutzart	IP 23	
standard	IEC 60974-1	

INVERTER DC/ARC/ E401

Technical specifications

Item No	E401
	ARC
Rated Input Voltage	3 x 400 V (-40 % - +15 %)
Load Power Capacity	18.2KVA
Rated Duty Cycle	40 °C
60%	400A
100%	310A
Welding Current/Voltage Range	30 A -400 A
Open Circuit Voltage	70-80V
cos φ	0.93
Efficiency	85%
Empf. Generatorleistung	25kVA
Dimension (LxWxH)	520X265X440mm
Weight (KG)	23.6KG
Schutzart	IP 23
standard	IEC 60974-1

Accessories

INVERTER DC/ARC/ E161

For Standard accessories



Electrode holder
200A-16mm²-3M

Cable
200A-16mm²-3M

INVERTER DC/ARC/ E201

For Standard accessories



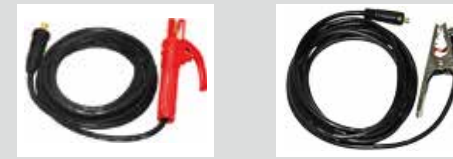
Electrode holder
200A-16mm²-3M

Cable
200A-16mm²-3M

Accessories

INVERTER DC/ARC/ E401

For Standard accessories



Electrode holder
500A-50mm²-3M

Cable
500A-50mm²-3M

VECTOR Schweißgerät E401

Technische Daten • technical data

Einstellbereich Schweißstrom • Setting range for welding current	30A - 400A
Einschaltdauer bei Umgebungstemperatur • Duty cycle at ambient temperature	40°C
60% • 60 %	400 A
100% • 100 %	310 A
Leerlaufspannung • Open circuit voltage	72 V
Netzsicherung (träge) • Mains fuses (slow-blow)	3 x 400V
Netzspannung (Toleranzen) • Mains Voltage (tolerances)	3 x 400 V
Max. Anschlussleistung • Max. connected load	18.2 kVA
Empf. Generatorleistung • Recommended generator power	25 kVA
Schutzart • Protection classification	IP23
Normen • Standards	IEC 60 974-1



Funktionen / features

- **Inverterschweißgerät, DC**
Inverter welding machine, DC
- **E-Hand – Schweißen**
MMA welding
- **Schweißen von Stabelektroden bis zu 6.0mm**
Welding Rod diameter up to 6.0mm
- **Weniger Nacharbeit, da weniger spritzer**
less finishing work thanks to less spatter
- **Weniger Verzug durch kontrollierte Wärmeeinbringung**
less distortion thanks to controlled heat input
- **Spritzwassergeschützt IP23**
IP23 spray water protected
- **Arcforce, Hotstart, Antistick**
Arcforce, hot start and antistick
- **3M Netzzuleitung mit 16A Industrieadapter**
3M power cable and 16A industrial adopter