## ET 141i AC/DC

Portable AC/DC HF TIG/Stick Welding System







The ET 141i AC/DC is a complete, multi-process TIG and Stick system ideal for applications where power is limited to 120 VAC. Lightweight and reduced in size for versatility and portability. Fully featured professional performance capability with preset controls for ease of use in DIY applications. HF Arc Start provides non-contact arc starting that eliminates tungsten or material contamination.

- AC Frequency preset sets the frequency of the AC square wave and Wave Balance sets the penetration to cleaning ratio when welding on aluminum
- AC/DC TIG mode selection for aluminum and ferrous alloys, stainless and mild steel, and chrome molys
- Lift TIG Start provides optimized TIG arc starting without the use of high frequency
- Preflow and postflow preset controls shielding gas before and after the weld
- Hot Start ensures good arc starting when Stick welding

Visit **esab.com** for more information.

## Industry

- Automotive
- Transportation
- Light Fabrication
- Repair and Maintenance
- Hobbyist



ET 141i AC/DC system complete package with foot control and basic utility cart (W1006314).

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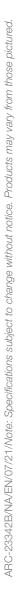
| Specifications                           |  |
|--|--|
| Primary voltage                          | Nominal 120 VAC  |
| Supply voltage                           | 108 - 132 VAC  |
| Supply frequency                         | 50/60 Hz   |
| Number of phases                         | 1 ph   |
| Supply plug                              | NEMA 5-20P   |
| Rated kVA @ 180 Amp                      | 5 kVA  |
| Lead cord length                         | 3 m (10 ft.)   |
| Maximum output                           | 140 A  |
| TIG (GTAW) welding output 40°C (104°F)   | 140 A/15.6 V @ 20% duty cycle<br>75 A/13 V @ 60% duty cycle<br>60 A/12.4 V @ 100% duty cycle |
| Stick (SMAW) welding output 40°C (104°F) | 90 A/23.6 V @ 20% duty cycle   |
| Current range                            | 10 - 140 A   |
| Maximum open circuit voltage             | 77.6 VDC/92.8 VAC  |
| Approvals                                | CSA E60974-1-00, UL 60974-1, IEC 60974-1   |
| Protection class                         | IP23S  |
| Warranty period                          | 3 years*   |
| Dimensions, L x W x H                    | 432 x 240 x 400 mm (17 x 9.45 x 15.75 in.)   |
| Weight                                   | 22 kg (48.4 lbs)   |

| Ordering Information   |             |
|--|-------------|
| Description  | Part Number |
| ET 141i AC/DC TIG/Stick System   |             |
| Includes: ET 141i AC/DC power supply, argon flowguage regulator and 3.8 m (12.5 ft.) hose, TIG torch and accessories, 17 Style, 4 m (13 ft.), 4 general purpose stick electrodes (E6013), power adapter 120V 20A to 15A, 3 m (10 ft.) power cord and NEMA 5-20P 120 VAC plug, 150A electrode holder with 4 m (13 ft.) lead, 150A ground clamp with 3 m (10 ft.) lead, operator's manual. | W1006311    |

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| Options & Accessories  |             |
|--|-------------|
| Description  | Part Number |
| TIG Torch and Accessories, 17 Style, 4 m (13 ft.)            | W4012701    |
| Electrode Holder 200A and Lead Assembly, 4 m (13 ft.), 50 mm | 1201-9577   |
| Ground Clamp 200 A and Lead Assembly, 3 m (10 ft.), 50 mm    | 1201-9585   |
| Victor Argon Flow Gauge Regulator GF-250-50-580              | 0781-9411   |
| Gas Hose, 3.8 m (12.5 ft.), Male 5/8-18UNF                   | W4013900    |
| Foot Control, 4.6 m (15 ft.) cable and 8-pin Male Plug       | W4013200    |
| Power adapter, 120V 20A to 15A                               | W4013300    |
| Basic Utility Cart, max 177.8 mm (7 in.) diameter cylinder   | W4014700    |









COMPANY WITH MANAGEMENT SYSTEM CERTIFIED BY DNV = ISO 9001= = ISO 14001= = OHSAS 18001=