

Renegade ES 300i

Portability is paramount.
But so is power.



Renegade ES 300i is an inverter based MMA/Stick and LiveTIG machine with extreme power to weight ratio. The compact format makes it easy to carry and bring to any jobsite. Combined with high duty cycle and the ability to run the machine on long mains and welding cable makes this a superior welding machine for both on- and off site applications.

The machine has an automatic input voltage sensor and can operate with any input voltage between 230 V and 480 V 3-phase.

- Extreme power to weight ratio in a most compact format. Rugged composite casing for durability in the roughest environments
- For professional MMA welding with electrodes up to 6 mm with a high duty cycle of 300 A at 40%. Ideal for operation in high ambient temperatures
- The machine automatically adjusts to optimal start and stop parameters based on the set current
- A powerful voltage booster provide additional arc voltage for superior cellulosic weld performance
- 3 memory settings for easy and quick access to welding parameters

Visit esab.com for more information.

Industry

- Ship and Offshore Yards
- Civil Construction
- Pipe Construction
- Repair and Maintenance
- Heavy Fabrication
- Industrial and General Fabrication
- Mining
- Steel Erectors



*Intuitive panel with light background
easy to read in dark environments*

Renegade ES 300i

| Specifications | |
|---|--|
| Primary Voltage | 230-480 VAC |
| Number of Phases | 3 ph |
| Supply Frequency | 50/60 Hz |
| Fuse Slow | 10 A (20 A at 230 V) |
| Energy Save Mode | 91 W |
| Rated kVA | 11,3 kVA |
| Maximum Output | 300 A |
| Power Factor at Max Current | 0.96 |
| Efficiency at Max Current MMA | 89 % |
| Efficiency at Max Current TIG | 85 % |
| Open Circuit Voltage | 48 V |
| Open Circuit Voltage VRD | 32 V |
| MMA Welding Output 40 %, 60 %, 100 % Duty Cycle | 300 A / 32.0 V, 250 A / 30.0 V, 200 A / 28.0 V |
| TIG Welding Output 40 %, 60 %, 100 % Duty Cycle | 300 A / 22.0 V, 250 A / 20.0 V, 200 A / 18.0 V |
| Current Range | 5 – 300 A |
| Approvals | CE |
| Application Class | S |
| Protection Class | IP23 |
| Mains Cable | 3 m 4x2,5 mm ² (4x4 mm ² with 230 V) |
| Supply Plug | CEE 32 A |
| Dimensions, Lx W x H | 460 x 200 x 320 mm (18.1x7.9x12.6 in.) |
| Weight | 15 kg (33 lbs) |

| Ordering Information | |
|--|------------|
| Renegade ES 300i incl 3 m mains cable and plug | 0445100880 |
| Renegade ES 300i, incl. 3 m mains, shoulder strap, 5 m weld and return cable | 0445250880 |

| Options & Accessories | |
|--|------------|
| Shoulder strap | 0445197880 |
| Electrode holder kit, Handy 300, OKC 50, 3 m | 0700006902 |
| Electrode holder kit, Handy 300, OKC 50, 5 m | 0700006888 |
| Return cable kit, OKC 50, 3 m | 0700006903 |
| Return cable kit, OKC 50, 5 m | 0700006889 |
| OKC 50 male contact, pack of 4 pcs | 0160360881 |
| EWR 1 Remote Control incl. 5 m cable | 0445536880 |
| Remote control cable, 5 m | 0445450880 |
| Remote control cable, 10 m | 0445451880 |
| Remote control cable, 25 m | 0445452880 |



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