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FOR MORE INFORMATION, CONTACT:

Cheron Robinson

Tel +44 1992 702442

cheron.robinson@esab.co.uk

ESAB ROGUE ET TIG/MMA INVERTERS OFFER INDUSTRY-BEST COMBINATION OF PERFORMANCE AND PORTABILITY

ESAB Welding & Cutting Products today launched Rogue ET 180i and 200iP PRO, its new series of portable, powerful TIG/MMA inverters that feature ESAB's next-level control technology to deliver professional arc performance. Its full-featured digital TIG controls include those for gas pre-flow, arc start current, end current, gas post-flow and HF (non-contact) or Lift-TIG arc starts.

Tipping the scales at 8.7 kg and 9.6 kg, respectively, Rogue ET 180i and 200iP PRO units are one-third lighter than competitive inverters in its class. Both units measure only 403 x 153 x 264 mm but deliver a maximum TIG output of 180A (180i) and 200A (200iP PRO) at 25% duty cycle and a stable TIG arc down to 10 amps.

"Rogue will cause the industry to re-think its perception of lightweight power, performance and price. Inverters with Rogue's TIG capabilities often cost twice as much," says Bartosz Kutarba, Global Product Manager – Light Industry Equipment, ESAB." Rogue ET users include mechanical contractors and those in general fabrication, maintenance and repair, rental, process pipe, food/beverage and agriculture.

Professional Features

The 200iP PRO version has a pulsing feature with frequency adjustable from 0.2 Hz to 500 Hz. Stainless steel fabricators and those working with thin metals or other heat-sensitive applications use pulsed DC TIG to control heat input, narrow the weld bead profile and increase travel speed. A slow frequency, such as 1 pulse per second, helps welders establish a good rhythm for adding filler rod.

PRO models also feature Power Factor Correction (PFC), so they draw less than 16A of current. As a result, users can use a smaller circuit breaker and reduce the worry of nuisance trips when welding at full



output. Using the latest technology PFC circuit also enables welding with up to 100 m of cable extensions, further increasing location flexibility.

Rogue PRO models run on 90 – 270VAC 1-ph, 50/60 Hz main power, enabling users to work in a wide variety of locations. Flexible automatic input voltage compensation ensures a steady welding arc throughout the entire input power range, which makes them ideal for situations with dirty power and generator power, which often fluctuate. The Rogue 180i connects to 230VAC \pm 15 percent 1-ph main power.

MMA Performance

“Rogue ET inverters gives the arc performance required for all types of MMA electrodes, including 6010 and 7018,” says Kutarba. “When procedures call for MMA fill and cap passes following a TIG root pass, Rogue ET inverters can deliver X-ray-quality results.”

Rogue’s adjustable hot start function increases current beyond the set value for a few milliseconds to help establish the arc. It especially helps with low-hydrogen electrodes, which can be notoriously difficult-to-start. Its adjustable arc force control increases amperage when the voltage drops below a preset threshold. As a result, operators can hold a shorter arc length without the electrode sticking, which is beneficial when welding in narrow gaps, in corners and out-of-position.

Rogue features digital meters visible from 25 m away, and an optional remote controller allows users to adjust current settings without needing to go back to the machine. A robust fiberglass-molded compact housing is built to withstand impact, and the weather resistant, IP23S rating makes Rogue suitable for use in tough applications.

“Rogue ET welders come with premium accessories, another differentiator, that include an SR-B 26 TIG torch with 4 m cable and 3 m work cable, both with 50 mm dinse connections,” says Kutarba.

At ESAB, we exist to shape the future of welding and cutting. We connect fabricators with the widest range of products under our industry-leading brand portfolio with the latest technologies to solve virtually any industry challenge — then we back it up with our knowledge, experience and passion to help them be more productive than ever before. To learn more, visit esab.com.

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Image information

JPG: Rogue ET 200iP PRO

Caption: The new ESAB Rogue ET 200iP PRO inverter features full-featured digital TIG controls, including those for pulsing, gas pre-flow, start current, end current, gas post-flow, HF (non-contact) or Lift-TIG arc starts.