

# Inverter<sup>®</sup> 160SX

## Professional Performance. Industrial Innovation

The Inverter<sup>®</sup> 160SX is built to perform: rugged and robust on one hand, portable in another. Lightweight and easy to handle in a wide variety of applications, it is ideal for professional industrial maintenance and small industrial projects, both on site and in workshops. Equipped with Power Factor Correction (PFC) Inverter<sup>®</sup> 160SX provides almost 30% output with the same input current. PFC reduces the power dissipation on input cables by up to 50%. Compliant with the latest European standard EN 61000-3-12.

### Features

- More Power- 30% more output current with the same input current allows welding with up to 4.0mm electrode from a 16A input.
- Portable Everywhere - Lightweight, easy to handle, can operate with up to 100m mains extension cables and suitable to use from a generator.
- Robust Design, Industrial Use - Electrical safety (IP23), potted PC boards and optimum airflow reduces contamination to extend the equipments life in the harshest environmental conditions.
- Excellent Welding Experience - Good arc ignition with a smooth stable arc, Soft and Crisp mode, Auto Adaptive Arc Force an optimum choice for welding with every type of electrode.
- Cellulosic Capability - No electrode is too difficult to weld with. Suitable for small diameter pipe welding.
- Extended Input Voltage Range - Smart switching input power allows use from either a single-phase 115V or 230V mains supply.
- Green Welding Initiative - PFC gives low current consumption, energy saving, low current harmonics and reduction of the total CO<sub>2</sub> produced by the welding process.



### Technical Specifications

| Product                     | Item Number | Primary Voltage (50-60Hz) | Current Range (A) | Rated Output                    | Fuse Size (A) (slow) | Weight (kg) | Dimensions HxWxD (mm) | Protection/ Insulation Class |
|-----------------------------|-------------|---------------------------|-------------------|---------------------------------|----------------------|-------------|-----------------------|------------------------------|
| Inverter <sup>®</sup> 160SX | K12050-1    | 115/230V/1Ph              | 5-160             | 160A/24V@15%<br>100A/26.4V@100% | 16A                  | 9.2         | 224 x 148 x 385       | IP23 / H                     |

### Inverter

#### Processes

- Stick
- Lift TIG



#### Recommended Consumables

- **Steel**  
Pantafix<sup>®</sup>, Omnia<sup>®</sup> 46, Baso<sup>®</sup> G, 120, 48SP
- **Stainless steel**  
Arosta<sup>®</sup>, Limarosta<sup>®</sup>, Jungo<sup>®</sup> 304L, 316L, 309S
- **Hardfacing**  
Wearshield<sup>®</sup> MM, ME / RepTec

#### Unit Includes

- 3 m input cable

#### Key Options

- **KIT-200A-25-3M** Cable Kit 200A – 25 mm<sup>2</sup> – 3 m
- **KIT-200A-35-5M** Cable Kit 200A – 35 mm<sup>2</sup> – 5 m
- **K10529-17-4V** TIG torch LTP 17 GV – 4 m
- **K10529-17-8V** TIG torch LTP 17 GV – 8 m

#### INPUT



#### OUTPUT



# Inverter<sup>®</sup> V205-S

## Smart switching, full flexibility

Manufactured using the latest digital inverter technology, combining both a rugged industrial construction with excellent arc characteristics. The lightweight but solid build of this machine makes it suitable for operation on site in conjunction with a generator or within a workshop environment, providing maximum flexibility. The smart switching 230/400V single phase enables connection of the V205S virtually everywhere.

### Features

- Smart switching 230/400V single phase.
- Excellent arc characteristics.
- Maximum output of 200A allows the use of electrodes up to 4.0 mm.
- Excellent stick rutile, basic and cellulosic welding performance.
- Adjustable "Arc Force" and "Hot Start" as standard.
- Features "Lift TIG" with no tungsten contamination.
- Fully featured and user-friendly control panel with digital display allow precise setting of welding current.



### Technical Specifications

| Product                      | Item Number | Primary Voltage (50-60Hz) | Current Range (A) | Rated Output                    | Fuse Size (A) (slow) | Weight (kg) | Dimensions HxWxD (mm) | Protection/ Insulation Class |
|------------------------------|-------------|---------------------------|-------------------|---------------------------------|----------------------|-------------|-----------------------|------------------------------|
| Inverter <sup>®</sup> V205-S | K12019-1    | 230/400V/1Ph              | 5-200             | 200A/28V@35%<br>170A/26.8V@100% | 32/20                | 15          | 385 x 215 x 480       | IP23S / H                    |

### Inverter

#### Processes

- Stick
- Lift TIG



#### Recommended Consumables

- **Steel**  
Pantafix<sup>®</sup>, Omnia<sup>®</sup> 46; Baso<sup>®</sup> G, 120, 48SP
- **Stainless steel**  
Arosta<sup>®</sup>, Limarosta<sup>®</sup>, Jungo<sup>®</sup> 304L, 316L, 309S
- **Hardfacing**  
Wearshield<sup>®</sup> MM, ME / RepTec

#### Unit Includes

- 2 m input cable
- Carrying strap

#### Key Options

- **KIT-200A-25-3M** Cable Kit 200A – 25 mm<sup>2</sup> – 3 m
- **KIT-200A-35-5M** Cable Kit 200A – 35 mm<sup>2</sup> – 5 m
- **K10529-17-4V** TIG torch LTP 17 GV – 4 m
- **K10529-17-8V** TIG torch LTP 17 GV – 8 m
- **K10095-1-15M** Remote control – 15 m
- **W0200002** Undercarriage

#### INPUT



#### OUTPUT

