











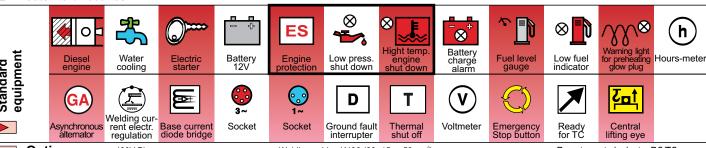




# ENGINE DRIVEN WELDER TS 500 PS/EL-BC 60Hz

- Arc welding source in D.C. welding
- Welds any type of electrode, including cellulosic
- Electronic regulation of welding current
- Special BC (Base Current) circuit for pipes descending welding
- Double welding range (20A-200A / 20A-500A)
- Arc Gouging dedicated sockets
- A.C. generator, single-phase and three-phase
- Aux power also available while welding
- **Ground fault interrupter**
- Engine Diesel PERKINS water cooled 1800 rpm
- **Engine protection ES**
- Super silenced
- **Emergency stup button**
- Site tow CTL22 (on request)
- Welding remote control (on request)
- **Meets EC directives**







- 400V Plugs
  - 230V Plugs
  - 110V Plugs
  - Tank locking cap
- Welding cables K400 (20+15m, 50mm<sup>2</sup>)
- Remote control: TC2 (cable 20m) TC2/50 (cable 20m)
- Welding kit (mask, gloves, etc.)

- Remote control adaptor RC/TC
- Earthing kit
- Site tow CTL22
- Road trolley CTV1



**ENGINE** 

\* Dry weight

- Auxiliary output: 400Y 230I 48I : 1x400V 32A 3P+N+T CEE 1x230V 32A 2P+T CEE 1x230V 16A 2P+T CEE
- Auxiliary output: 400Y 230I 110I: 1x400V 32A 3P+N+T CEE 1x230V 32A 2P+T CEE 1x110V 32A 2P+T CEE 1x110V 16A 2P+T CEE
- TS 500 PS-PL: Version with polarity change e spark arrestor

**Factory installation option** 

Spark arrestor

## Technical data

### TS 500 PS/EL-BC

#### D.C. WELDING (Costant Current)

Current range, continuous

20A ÷ 500A **Duty cycle** 500A-35%; 450A-60%; 400A-100%

Open circuit voltage 70V

#### A.C. GENERATION - 60Hz Three-phase asyncronous alternator, self-regulated, self-excited, brushless

Three-phase generation 16 kVA / 400 V / 23.1 A Single-phase generation 12 kVA / 230 V / 52.2 A 6 kVA / 110 V / 54.4 A Single-phase generation 5 kVA / 48 V / 104 A Single-phase generation

Insulation class

#### Diesel, 4-stroke, aspirated, indirect injection, water cooled

Model Perkins 404D-22G 22.6 kW (30.7 HP) \* Output Speed 1800 rpm

2.216 I (2216 cm<sup>3</sup>) / 4 **Displacement / Cylinders** 

Fuel consumption (welding 60%) 4.2 l/h

### \* Maximum output (not overloadable) according to ISO 3046-1 **GENERAL SPECIFICATIONS**

14.5 h IP 23 \* Dimensions Lxlxh (mm) 1720x980x1110

Acoustic power LwA (pressure LpA) 94 dB(A) (69 dB(A) @ 7m)

Tank capacity 60 I Running time (welding 60%) IP protection degree

\* Dimensions and weight without trolley/trailer. \*\* Acoustic power according to European Directive 2000/14/EC

780 kg