

## Engine Driven Welder

### CS 350 KSX-CC/CV VRD - Diesel

#### Key Features

- Arc welding source in D.C. welding
- SMAW: Shielded Metal Arc Welding (Stick)
- GTAW: Gas Tungsten Arc Welding (TIG)
- GMAW: Gas Metal Arc Welding (MIG)
- High frequency welding current and voltage control
- A.C. generator, single-phase and three-phase
- Sockets 1 x 400V 32A - 1 x 110V 32A  
1 x 110V 16A - 1 x 230V 16A
- Aux power also available while welding
- MOSA power optimiser (patent pending)
- Large tank (38 litres) - 15 hours
- Bunded base
- Auto idle control
- Emergency stop button
- Meets EC directives for noise and safety

#### D.C. Welding (Constant Current)

|                      |                                     |
|----------------------|-------------------------------------|
| Current range        | 20 - 350A                           |
| Duty cycle           | 350A - 35%, 300A - 60%, 250A - 100% |
| Open circuit voltage | 66V                                 |

#### A.C. Generation - 50Hz - Three-Phase Asynchronous Alternator, Self-Regulated, Self-Exciting, Brushless

|                     |                                |
|---------------------|--------------------------------|
| Three - phase Power | 10 kVA (8. kW) / 400V / 14.4A  |
| Single-phase power  | 5 kVA (4. kW) / 230V / 21.7A   |
| Single-phase power  | 2.5 kVA (2. kW) / 110V / 22.7A |
| Insulation class    | H                              |

#### Engine - Diesel, 4-Stroke, Direct Injection, Air Cooled

|                                |                        |
|--------------------------------|------------------------|
| Model                          | Kohler KD 477.2        |
| Output*                        | 14.9 kW (20.3 HP)      |
| Cylinders / Displacement       | 2 / 954cm <sup>3</sup> |
| Speed                          | 3000 rpm               |
| Fuel consumption (welding 60%) | 2.5 l/h                |

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

#### General Specifications

|  |                          |
|--|--------------------------|
| Tank capacity                                  | 38 litres                |
| Running time (welding 60%)                     | 15.2 hours               |
| IP protection degree                           | IP 23                    |
| Dimensions LxWxH (mm)*                         | 1230 x 690 x 925         |
| Dry weight*                                    | 345 Kg                   |
| Measured acoustic power LwA (pressure LpA)**   | 95 dB(A) (70 dB(A) @ 7m) |
| Guaranteed acoustic power LwA (pressure LpA)** | 95 dB(A) (70 dB(A) @ 7m) |

\* Values shown do not include trolleys \*\* Acoustic power according to European Directive 2000/14/EC.



#### Optional

- Wire feed system WF4
- Remote control:
  - RC2 - RC2/90° (cable 20m)
  - TC7 (Cable 20m)
- Welding cables: 50mm<sup>2</sup>
- Welding kit (mask, gloves, etc.)
- Earthing kit
- Site tow CTL300
- Road trailer
- Spark arrestor
- Chalmers valve

|                        |                            |                          |                    |                         |                                     |                     |
|------------------------|----------------------------|--------------------------|--------------------|-------------------------|-------------------------------------|---------------------|
| Diesel Engine          | Air Cooling                | Electric Starter         | Battery 12V        | Fuel Level Gauge        | Hours-Meter                         | Engine Protection   |
| Oil Pressure Shut Down | High Temp Engine Shut Down | Shut Down Battery Charge | Low Fuel Shut Down | Asynchronous Alternator | Welding Current Electric Regulation | Arc Control         |
| Sockets                | Ground Fault Interruptor   | Thermal Shut Off         | Voltmeter          | Emergency Stop Button   | Ready for TC/RC                     | Central Lifting-Eye |

**AUTO  
IDLE**

Auto Idle

Order Code: 35.37321CV