

CT TECHNOLOGY

Compact high frequency welding



- Wire feeder WF4 for CC/CV versions

WAC



- CC/CV Welding Control Panel

TS TECHNOLOGY

Portable and heavy duty



CT 230 SX PLUS / CT 230 YSX CC/CV



- Standard version: CT 230 SX PLUS
- Constant Current / Constant Voltage version: CT 230 YSX CC/CV
- DC welding: 210 A CC
- High Frequency control of welding current & voltage
- Stepless electronic welding control
- Remote control TC7, 20 metre (optional)
- Arc force
- Voltage reduction device VRD (CC/CV only)
- AC generation 400 V: 6 kVA
- AC generation 230 V: 5 kVA
- Yanmar diesel engine, air cooled
- Power Optimiser (engine power optimisation system)
- EV protection
- Long run tank, 23h
- Soundproof canopy, lockable
- Weight: 247 kg
- Dimensions (L x W x H): 1020x645x930
- EEC NOISE COMPLIANT

CT 350 LSX, LSX CC-CV



- Standard version: CT 350 LSX
- Constant Current / Constant Voltage version: CT 350 LSX CC/CV
- Welding processes
 - SMAW: Shielded Metal Arc Welding (Stick), CC mode
 - GMAW: Gas Metal Arc Welding (MIG), CV mode
- DC welding: 350 A In CC, 300 A In CV
- High Frequency control of welding current & voltage
- Stepless electronic welding control
- Remote control TC7, 20 metre (optional)
- Arc force
- Voltage reduction device VRD (CC/CV version only)
- AC generation 400 V: 10 kVA
- AC generation 230 V: 5 kVA
- Lombardini diesel engine, air cooled
- Power Optimiser (engine power optimisation system)
- EP7 (key start) engine protection
- Long run tank, 15h
- Super Silenced Canopy – Lockable
- Weight: 345 kg
- Dimensions (L x W x H): 1230x690x925
- EEC NOISE COMPLIANT

TS 200 BS/CF



- Max welding power: 190 A
- 3-phase AUX power: 6 kVA
- 1-phase AUX power: 5 kVA
- Weight: 108 kg

TS 200 BS/EL P



- Max welding power: 170 A
- 3-phase AUX power: 6 kVA
- 1-phase AUX power: 4 kVA
- Weight: 105 kg

TS 200 DS/DES CF

MANUAL START

ELECTRIC START



- Max welding power: 190 A
- 3-phase AUX power: 6 kVA
- 1-phase AUX power: 5 kVA
- Weight: 131 kg

TS 200 DES/EL



- Max welding power: 170 A
- 3-phase AUX power: 6 kVA
- 1-phase AUX power: 5 kVA
- Weight: 133 kg

TS 250 D/EL



- Max welding power: 250 A
- 3-phase AUX power: 6.5 kVA
- 1-phase AUX power: 4.5 kVA
- Weight: 175 kg

ENGINE

diesel

gasoline

speed (rpm)

air cooling

water cooling

noise level in compliance with directive 2000/14/CE

EAS automatic mains failure and automatic transfer switch (AMF+ATS)

Note: Other voltages and frequencies (60 Hz) available on request. All site tows and wheels-handles in pictures are optional. Subject to modification without notice. Values shown are nominal values.

SOUNDPROOF - 3000 RPM

TS 300 SXC/EL



- Lombardini**
12 LD 477/2
3000 rpm
- Max welding power: 300 A
 - Arc force regulation
 - 3-phase AUX power: 10 KVA
 - 1-phase AUX power: 5 KVA
 - Weight: 370 Kg

TS 350 YSX BC



- Yanmar**
3 TNV 76
3000 rpm
- Max welding power: 350 A
 - Base Current for pipeline welding
 - 3-phase AUX power: 12 KVA
 - 1-phase AUX power: 7 KVA
 - Weight: 535 Kg

TS 400 SXC EL



- Lombardini**
9 LD 625/2
3000 rpm
- Max welding power: 400 A
 - Base Current for pipeline welding
 - 3-phase AUX power: 13 KVA
 - 1-phase AUX power: 7 KVA
 - Weight: 465 Kg

HEAVY DUTY - PIPELINE WELDING - 1500 RPM

TS 415 VSX BC



- VM SUN**
2105 E2
1500 rpm
- Max welding power: 400 A
 - Base Current for pipeline welding
 - 3-phase AUX power: 16 KVA
 - 1-phase AUX power: 12 KVA
 - Weight: 840 Kg

TS 400 PS BC



- Parkins**
404 D 22G
1500 rpm
- Max welding power: 400 A
 - Base Current for pipeline welding
 - 3-phase AUX power: 16 KVA
 - 1-phase AUX power: 12 KVA
 - Weight: 780 Kg

TS 500 PS BC 60 hz



- Parkins**
404 C 22G
1900 rpm
- Max welding power: 500 A
 - Base Current for pipeline welding
 - 3-phase AUX power: 16 KVA
 - 1-phase AUX power: 12 KVA
 - Weight: 780 Kg

TS615 VSX BC



- VM SUN**
3105 E2
1500 rpm
- Max welding power: 550 A
 - Base Current for pipeline welding
 - 3-phase AUX power: 20 KVA
 - 1-phase AUX power: 15 KVA
 - Weight: 940 Kg



DSP TECHNOLOGY

Multipurpose professional welding



Engine driven welders designated with the acronym "DSP" - Digital Signal Processor - represent a new generation of engine driven machines, which operate at high frequency.

The control of the welding processes is done by a microcomputer (DSP) using patented MOSA software, which controls the welding current or welding voltage cycle by cycle.

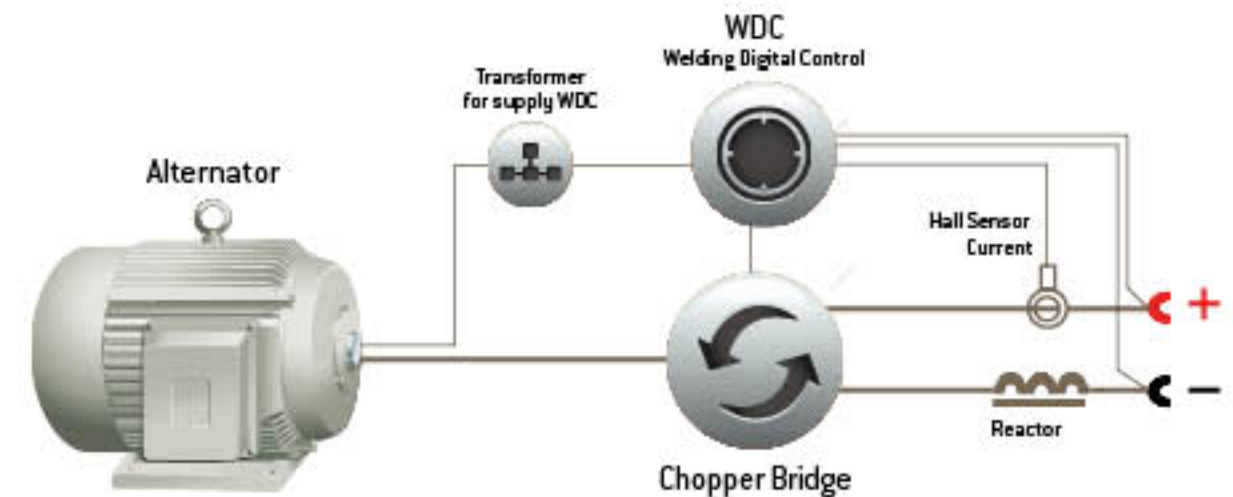
The high speed of the DSP allows almost instantaneous control of welding parameters, translating into a highly stable output current or welding voltage.

DSP engine driven welders have only four main components: a chopper diode bridge, the Digital Welding Control, which controls the chopper and is enclosed in a metal box, a small reactance and a HALL sensor for a very precise measurement of the welding current.

The optional polarity change consists of a power change-over switch and of a special program for the polarity change-over.

The simplicity of this solution reduces the connections between the few essential welding components to the minimum, thus improving the already high efficiency of the machine.

DIGITAL TECHNOLOGY



WDC WELDING DIGITAL CONTROL PANEL

↳ MOSA WDC - DSP WELDING PROGRAMS

- STAND BY ■ Standby
- TIG DC ■ Contact Starting
- CC-Stick ■ Arc Force Control ("Dig" Function)
- Cellulose Electrode Setting 1
- Cellulose Electrode Setting 2
- CV-Wire ■ GMAW (Gas Metal Arc Welding - MIG)
- FCAW (Flux Cored Arc Welding)



DSP Welding Voltmeter /
Ammeter & Optional VRD indicator



- Welding Program Selector
- Standby
 - TIG DC
 - CC-Stick
 - CV-Wire

- 42v Power Socket
- Mosa WF4 Wire Feed Unit
 - RC1 Welding Remote Control

Stepless Control
Welding Amperage (CC)
or Welding Voltage (CV)

Polarity Inverter
(Option)
Reverse Polarity
Welding Switch

Welding Current Range
Low Range - 50%
Full Range - Max

DSP TECHNOLOGY

Multipurpose professional welding



• Wire feeder WF4



↳ DSP 400 YSX



3000 rpm



↳ DSP 500 PS



1500 rpm



- Multi process welder:
 - SMAW: Shielded Metal Arc welding (Stick)
 - GMAW: Gas Metal Arc Welding (MIG)
 - FCAW: Flux Cored Arc Welding (Flux Cored)
 - GTAW: Gas Tungsten Arc Welding (TIG) - Contact starting
- DC welding: 400 A In CC, 350 A In CV
- High Frequency control of welding current & voltage
- Low welding current range (50%) In CC mode
- Remote control RC1, 20 metres (optional)
- Arc force
- Voltage reduction device VRD
- Digital welding voltmeter/ammeter
- AC generation 400 V: 12 kVA
- AC generation 230 V: 7 kVA
- EP7 (key start) engine protection
- Long run tank - 13 hours
- Super Silenced Canopy - Lockable
- Bundled base
- Weight: 535 kg
- Dimensions (L x W x H): 1610x720x1110
- EEC NOISE COMPLIANT

- Multi process welder:
 - SMAW: Shielded Metal Arc welding (Stick)
 - GMAW: Gas Metal Arc Welding (MIG)
 - FCAW: Flux Cored Arc Welding (Flux Cored)
 - GTAW: Gas Tungsten Arc Welding (TIG) - Contact starting
- DC welding: 500 A In CC, 450 A In CV
- High Frequency control of welding current & voltage
- Low welding current range (50%) In CC mode
- Remote control RC1, 20 metres (optional)
- Arc force
- Voltage reduction device VRD
- Digital welding voltmeter/ammeter
- AC generation 400 V: 16 kVA
- AC generation 230 V: 12 kVA
- EP7 (key start) engine protection
- Long run tank - 16 hours
- Lockable Canopy
- Weight: 760 kg
- Dimensions (L x W x H): 1720x980x1110
- EEC NOISE COMPLIANT



• Wire Feeder WF4

DSP 600 PS

PERKINS
1103D-33G*
1500 rpm



* new type engine, available soon.

- Multi process welder:
 - SMAW: Shielded Metal Arc welding (Stick)
 - GMAW: Gas Metal Arc Welding (MIG)
 - FCAW: Flux Cored Arc Welding (Flux Cored)
 - GTAW: Gas Tungsten Arc Welding (TIG)
- DC welding: 600 A In CC, 550 A In CV
- High Frequency control of welding current & voltage
- Low welding current range (50%) In CC mode
- Remote control RC1, 20 metres (optional)
- Arc force
- Voltage reduction device VRD
- Digital welding voltmeter/ampere meter
- AC generation 400 V: 30 kVA
- AC generation 230 V: 15 kVA
- EP7 (key start) engine protection
- Long run tank – 16 hours
- Super Silenced Canopy – Lockable
- Weight: 980 kg
- Dimensions (L x W x H): 2050x850x1135
- EEC NOISE COMPLIANT

DSP 2X400 PSX CHOPPER

PERKINS
1103C-33TG3
1500 rpm



- Two Independent welding positions (double operator)
- Multi process welder:
 - SMAW: Shielded Metal Arc welding (Stick)
 - GMAW: Gas Metal Arc Welding (MIG)
 - FCAW: Flux Cored Arc Welding (Flux Cored)
 - GTAW: Gas Tungsten Arc Welding (TIG)
 - GMAW - P: Pulsed MIG (OPTION)
- DC welding: 2 x 400 A In CC, 2 x 360 A In CV
- High Frequency control of welding current & voltage
- Low welding current range (50%) In CC mode
- Remote control RC 1/30, 20 metres (optional)
- Arc force
- Voltage reduction device VRD
- Digital welding voltmeter/ampere meter
- AC generation 400 V: 40 kVA
- AC generation 230 V: 20 kVA
- EP5 (key start) engine protection
- Long run tank – 15 hours
- Super Silenced Canopy – Lockable
- Weight: 1300 kg
- Dimensions (L x W x H): 2490x1030x1480
- EEC NOISE COMPLIANT



MOSA

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MOSA guarantees:



DESIGN

The design criteria have the support of very modern programs that work in 3D.



QUALITY

All the components of our machines are tested before going into production. This guarantees the quality and reliability of our products.



COMFORT

Designing for comfort is one of the essential components of our technical staff's Mission.



SPARE PARTS

Tested and guaranteed original spare parts.
For any request please contact: export@mosa.it



ASSISTANCE

Efficient and valid assistance service with the support of friendly and competent technical staff.
For any request please contact: service@mosa.it



SALES FORCE

An extensive and efficient sales force guaranteeing service and assistance.



MOSA

