

MOSA

➤ GENERATING SETS

➤ ENGINE DRIVEN WELDERS





75.000 m²



ALL MOSA PRODUCTS ARE MANUFACTURED IN AN AREA OF 75000 SQM OF WHICH 20000 SQM IS COVERED. THE COMPANY HAS ITS HEADQUARTERS AND MANUFACTURING FACILITIES IN CUSAGO, A SUBURB OF MILAN, ITALY.

THE DISTRIBUTION

The BCS group includes three factories in Italy and the following subsidiaries:

- MOSA GMBH, Denkerdorf (Germany)
- Ferrari France, Annecy (France)
- BCS Iberica, Terrassa (Spain)
- BCS Portugal, Benavente (Portugal)
- BCS India, Punjab (India)
- XI'AN MOSA Electric, XI'AN (China)

The latter being a joint-venture formed to sell to the Chinese and Asiatic markets. In addition to these branches, the BCS Group sales network is made up of independent importers, distributors and dealers, strategically located in all corners of the world to provide sales and service support to customers. MOSA distribution is part of this network in Europe and all over the world, in order to assure quick and professional support. Training courses are held in the factory at regular intervals.



MOSA, founded in 1963, is specialized in the production of high quality, professional engine driven welders and generating sets. Over the years MOSA has supplied several hundred thousand engine driven welders and generators to customers all over the world and the name MOSA has become synonymous with quality and reliability. MOSA is the industrial division of BCS-Ferrari Group (www.bcs-ferrari.it), leader in the agricultural and green maintenance sector (motor mowers, tractors,...).

ENGINEERING ACTIVITIES

In the engineering department new ideas and new products are evaluated and developed following the ISO 9001 procedures. Their facilities include a CAD/CAM system; electronic and mechanical workshops to produce prototypes; test cells for evaluating performance under various operating conditions; and a noise testing area. This extensive testing is done to assure that our products comply with the CE regulations and meet or stay below all existing noise limits while still providing adequate cooling for the engine. Once the product has been thoroughly tested the engineering drawings are completed and passed to the production department.

PRODUCTION FACILITIES

The modern well equipped production facilities and the highly qualified personnel assure a high quality, reliable product. MOSA produces all the welding alternators and some generator alternators. Sheet metal parts such as the base, housing, etc. are produced in house and painted in our powder paint facility.

QUALITY CONTROL

MOSA has ISO 9001 certification, which covers both the development and the production activities. All purchased components are checked before going to the production lines, and the completed machine is run-in for 1-2 hours before being checked under operating conditions in special test rooms. The final test report, signed by the assembler and by the QC operator, confirms the quality of the machine.



RANGE OF PRODUCTS



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➤ **ENGINE DRIVEN WELDERS**
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GENERATING SETS



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 - **HEAVY DUTY POWER:**
 - **AIR COOLED** PAG. 14
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- YANMAR RANGE
PERKINS RANGE
JCB RANGE
VOLVO PENTA RANGE
FPT/IVECO RANGE



COMPACT POWER



HOW TO CHOOSE A GENERATING SET



APPLIANCE TYPE	WATTS
CONSTRUCTION	
Air compressor, 3 HP	3300 W**
Angle grinder, 4" to 12"	550-2500 W
Arc welders, 130 to 200 Amp	3500-7000 W
Cement mixer	1000-1500 W**
Bench saw masonry: 10" to 14"	4000-7000 W**
Bench saw timber: 12" to 16"	3000-6000 W**
Circular saw	1000-1500 W
Concrete poker	1500W
Dehumidifier	4000W
Fan heater	1000-3000 W
Flood lamp	500W
Electric drill: 8mm to 23mm	350-1000 W
Hammer/Breaker	3000 W
Hot air gun	1500-2000 W
Impact wrench	1000 W
Jig saw	400 W
Planers	700-1000 W
Routers	500-1000 W
Sanders: (floor) 8"	2000 W
Sanders: (orbital)	1000 W

APPLIANCE TYPE	WATTS
GARDEN	
Chain saw : 10" to 16"	1500W
Hedge trimmer	350-500 W
Lawn mower: 10"	800-1000 W
Pressure washer: 2 HP	2200 W**
Strimmer: 10"	350 W
DOMESTIC /COMMERCIAL	
Air conditioner	5000 W
Air conditioner (soft start)	3000 W
Central heating pump	300 W
Colour TV	250 W
Computer	400-1200 W
Cooker	3000-10000 W**
Electric iron	1500-2000 W
Freezer	700-4000 W**
Fluorescent lamp	60 W
Kettle	3000 W
Light bulb	60-150 W
Microwave	600-2000 W
Photocopier	1600 W
Radio /Hi-Fi	200 W
Refrigerator	700-1500 W**
Tumble dryer	2400 W**
Washing Machine	1000-4000 W**

For precise Wattage, refer to Manufacturers Rating Plate
**see motor starting guide

SINGLE PHASE - GASOLINE - OPEN FRAME

GI 2000 SX



Honda
GX 100
4500 rpm

- Manual Start
- 1-phase 230 V: **1.7 kVA**
- Running time (load 75%): **10 h**
- Weight: **22 kg**



GE 2500 SR FAMILY



Subaru
EX17
3000 rpm

- Manual Start
- 1-phase 230 V: **2.3 kVA**
- Running time (load 75%): **2.6 h**
- Weight: **30 kg**



GE 3200 H FAMILY



Honda
GC 190
3000 rpm

- Manual Start
- 1-phase 230 V: **2.8 kVA**
- Running time (load 75%): **2.5 h**
- Weight: **35 kg**



GE 4500 HBS



Honda
GX 270
3000 rpm

- Manual Start
- 1-phase 230 V: **4 kVA**
- Running time (load 75%): **3.1 h**
- Weight: **53 kg**



GE 7000 BS/GS



Honda
GX 390
3000 rpm

- Manual Start
- 1-phase 230 V: **6.7 kVA**
- Running time (load 75%): **2.5 h**
- Weight: **82 kg**



GE 11000 HBS GS



Honda
GX 630
3000 rpm

- Electric Start
- 1-phase 230 V: **11 kVA**
- Running time (load 75%): **4.5 h**
- Weight: **145 kg**



THREE PHASE - GASOLINE - OPEN FRAME

GE 7500 BS/GS



Honda
GX 390
3000 rpm

- Manual Start
- 3-phase 400 V: **7.5 kVA**
- 1-phase 230 V: **4 kVA**
- Running time (load 75%): **2.5 h**
- Weight: **87 kg**



GE 12000 HBS GS

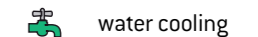
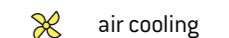
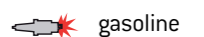
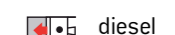


Honda
GX 630
3000 rpm

- Electric Start
- 3-phase 400 V: **13 kVA**
- 1-phase 230 V: **6 kVA**
- Running time (load 75%): **4.5 h**
- Weight: **142 kg**



ENGINE



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.

SINGLE PHASE - DIESEL - OPEN FRAME

GE 4000 LDS GS



- Lombardini
15 LD 350
3000 rpm
- Manual Start
 - 1-phase 230 V: **3.6 kVA**
 - Running time (load 75%): **4.3 h**
 - Weight: **64 kg**

GE 6000 DS/DES GS

MANUAL START

ELECTRIC START



- Yanmar
L 100 N
3000 rpm
- Manual & Electric start
 - 1-phase 230 V: **6 kVA**
 - Running time (load 75%): **4.6 h**
 - Weight: **108 kg**

GE 6000 DES GS LARGE



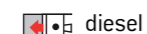
- Yanmar
L 100 N
3000 rpm
- Electric start
 - 1-phase 230 V: **6 kVA**
 - Running time (load 75%): **15 h**
 - Weight: **120 kg**

GE 10000 LD GS



- Lombardini
25 LD
3000 rpm
- Electric start
 - 1-phase 230 V: **10 kVA**
 - Running time (load 75%): **8.2 h**
 - Weight: **159 kg**

ENGINE



diesel

speed (rpm)



noise level in compliance with directive 2000/14/CE



gasoline

air cooling



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

water cooling

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.

THREE PHASE - DIESEL - OPEN FRAME

GE 6500 DS/DES GS

MANUAL START

ELECTRIC START



- Yanmar
L 100 N
3000 rpm
- Electric start
 - 3-phase 400 V: **6.5 kVA**
 - 1-phase 230 V: **4 kVA**
 - Running time (load 75%): **4.6 h**
 - Weight: **108 kg**

GE 6500 DES GS LARGE



- Yanmar
L 100 N
3000 rpm
- Electric start
 - 3-phase 400 V: **6.5 kVA**
 - 1-phase 230 V: **4 kVA**
 - Running time (load 75%): **15 h**
 - Weight: **126 kg**

GE 12000 LD GS



- Lombardini
25 LD
3000 rpm
- Electric start
 - 3-phase 400 V: **11 kVA**
 - 1-phase 230 V: **6 kVA**
 - Running time (load 75%): **8.2 h**
 - Weight: **156 kg**

EMERGENCY POWER SUPPLY



Our EAS units (Automatic Mains Failure + Automatic Transfer Switch) are suited for industrial and construction areas as well as for residential applications.



It is recommended to start the engine once a month to keep both fuel circuit and electrical system always in good conditions.

PETROL EMERGENCY SYSTEMS

GE 4500 SX EAS



- Honda GX 270
3000 rpm
- 1-phase 230 V: **4 kVA**
 - Silenced
 - Running time (load 75%): **3.1 h**
 - Weight: **78 kg**

GE 4500 HSX EAS



- Honda GX 270
3000 rpm
- 1-phase 230 V: **4 kVA**
 - Super-Silenced
 - Running time (load 75%): **7.5 h**
 - Weight: **130 kg**

GE 7000/7500 HSX EAS



- Honda GX 390
3000 rpm
- 3-phase 400 V (GE 7500 only): **7.5 kVA**
 - 1-phase 230 V: **4 kVA** (GE 7500)
 - 1-phase 230 V: **6.5 kVA** (GE 7000)
 - Running time (load 75%): **8 h**
 - Weight: **155 kg / 165 kg**

IP54 - SYNCHRONOUS - THREE-PHASE

GE 7554 BS GS



- Honda GX 390
3000 rpm
- 3-phase 400 V: **8 kVA**
 - 1-phase 230 V: **5 kVA**
 - RVT - automatic voltage regulation
 - Running time (load 75%): **3 h**
 - Weight: **88 kg**

GE 7554 HSX EAS



- Honda GX 390
3000 rpm
- 3-phase 400 V: **7.5 kVA**
 - 1-phase 230 V: **4 kVA**
 - RVT - automatic voltage regulation
 - Running time (load 75%): **8 h**
 - Weight: **170 kg**

GE 7554 YSX EAS



- Yanmar L 100 N
3000 rpm
- 3-phase 400 V: **8 kVA**
 - 1-phase 230 V: **5 kVA**
 - RVT - automatic voltage regulation
 - Running time (load 75%): **17.5 h**
 - Weight: **203 kg**

DIESEL EMERGENCY SYSTEMS

GE 6000/6500 SX GS EAS



- Yanmar L 100 N
3000 rpm
- 3-phase 400 V (GE 6500 only): **6.5 kVA**
 - 1-phase 230 V: **4 kVA** (GE 6500)
 - 1-phase 230 V: **5.7 kVA** (GE 6000)
 - Running time (load 75%): **15 h**
 - Weight: **126 kg**

GE 14000 LD GS EAS



- Lombardini 12 LD
3000 rpm
- 3-phase 400 V: **15 kVA**
 - 1-phase 230 V: **5 kVA**
 - Running time (load 75%): **6.5 h**
 - Weight: **191 kg**

GE 12000 SXC GS EAS



- Lombardini 12 LD
3000 rpm
- Single-phase only
 - 1-phase 230 V: **12 kVA**
 - Running time (load 75%): **8.2 h**
 - Weight: **297 kg**

GE 7554 Y DE L



- Yanmar L 100 N
3000 rpm
- 3-phase 400 V: **8 kVA**
 - 1-phase 230 V: **5 kVA**
 - RVT - automatic voltage regulation
 - Running time (load 75%): **15 h**
 - Weight: **130 kg**

GE 12054 HBS GS



- Honda GX 630
3000 rpm
- 3-phase 400 V: **11 kVA**
 - 1-phase 230 V: **6 kVA**
 - RVT - automatic voltage regulation
 - Running time (load 75%): **4.5 h**
 - Weight: **142 kg**

GE 12054 LD GS



- Lombardini 25 LD
3000 rpm
- 3-phase 400 V: **11 kVA**
 - 1-phase 230 V: **6 kVA**
 - RVT - automatic voltage regulation
 - Running time (load 75%): **8.2 h**
 - Weight: **156 kg**

GE 14000 SXC GS EAS



- Lombardini 12 LD
3000 rpm
- 3-phase 400 V: **15 kVA**
 - 1-phase 230 V: **5 kVA**
 - Running time (load 75%): **9 h**
 - Weight: **315 kg**

GE 14000 YS GS EAS



- Yanmar 3 TNV 70
3000 rpm
- 3-phase 400 V: **14 kVA**
 - 1-phase 230 V: **12 kVA**
 - Running time (load 75%): **9 h**
 - Weight: **390 kg**

GE 20000 LS GS EAS



- Lombardini 9 LD
3000 rpm
- 3-phase 400 V: **18 kVA**
 - 1-phase 230 V: **9 kVA**
 - Running time (load 75%): **7.5 h**
 - Weight: **386 kg**



HEAVY DUTY POWER

AIR COOLED



GE 10 LSX EAS

Lombardini
9LD
1500 rpm



GE 22 VSX EAS

VM SUN
2105 E2
1500 rpm



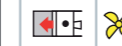
GE 33 VSX EAS

VM SUN
3105 E2
1500 rpm



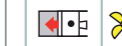
GE 40 VSX EAS

VM SUN
3105 TE2
1500 rpm



GE 60 VSX EAS

VM SUN
4105 TE2
1500 rpm



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)

- 3-phase 400 V: 10 kVA
- 1-phase 230 V: 4.5 kVA
- LINZ synchronous alternator
- Double voltage control: AVR and Compound
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequencymeter gauge
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- LOMBARDINI diesel engine – air cooled, 1500 RPM
- ES engine protection
- Day tank – 10 hours
- Super Silenced Canopy – Lockable
- Weight: 440 kg
- Dimensions (L x W x H): 1455x870x880
- **EEC NOISE COMPLIANT**

- 3-phase 400 V: 20 kVA
- 1-phase 230 V: 7 kVA
- LINZ synchronous alternator
- Double voltage control: AVR and Compound
- Voltmeter/Amperometer/Frequencymeter gauge
- Circuit breaker and G.F.I. protection
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- VM SUN diesel engine – air cooled, 1500 RPM
- ES engine protection
- Long run tank – 15 hours
- Super Silenced Canopy – Lockable
- Weight: 703 kg
- Dimensions (L x W x H): 1720x980x1080
- **EEC NOISE COMPLIANT**

- 3-phase 400 V: 30 kVA
- 1-phase 230 V: 10 kVA
- LINZ synchronous alternator
- Double voltage control: AVR and Compound
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequencymeter gauge
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- VM SUN diesel engine – air cooled, 1500 RPM
- EP5 (key start) protection
- Long run tank – 12,5 hours
- Super Silenced Canopy – Lockable
- Weight: 872 kg
- Dimensions (L x W x H): 1940x850x1080
- **EEC NOISE COMPLIANT**

- 3-phase 400 V: 40 kVA
- 1-phase 230 V: 13,5 kVA
- LINZ synchronous alternator
- Double voltage control: AVR and Compound
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequencymeter gauge
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- VM SUN diesel engine – air cooled, 1500 RPM
- EP5 (key start) protection
- Day tank – 9.5 hours
- Super Silenced Canopy – Lockable
- Weight: 910 kg
- Dimensions (L x W x H): 1940x850x1080
- **EEC NOISE COMPLIANT**

- 3-phase 400 V: 64 kVA
- 1-phase 230 V: 22 kVA
- NEW AGE STAMFORD synchronous alternator
- AVR voltage regulation
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequencymeter (digital – EP6)
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- VM SUN diesel engine – air cooled, 1500 RPM
- EP6 (key start) engine protection
- Day tank – 9 hours
- Super Silenced Canopy – Lockable
- Weight: 1440 kg
- Dimensions (L x W x H): 2400x900x1570
- **EEC NOISE COMPLIANT**

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.

HEAVY DUTY POWER

WATER COOLED



YANMAR

GE 10 YSX

YANMAR
3TNV76
1500 rpm



- 3-phase 400 V: 9.5 kVA
- LINZ synchronous alternator
- Double voltage control: AVR and Compound
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequency meter (digital – EP6)
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- YANMAR diesel engine – water cooled, 1500 RPM
- EP6 (key start) engine protection
- Long run tank – 29 hours
- Super Silenced Canopy – Lockable
- Bunded base
- Weight: 600 kg
- Dimensions (L x W x H): 1570 x 750 x 1034
- **EEC NOISE COMPLIANT**

GE 15 YSX

YANMAR
3TNV88
1500 rpm



- 3-phase 400 V: 14 kVA
- LINZ synchronous alternator
- Double voltage control: AVR and Compound
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequency meter (digital – EP6)
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- YANMAR diesel engine – water cooled, 1500 RPM
- EP6 (key start) engine protection
- Long run tank – 20 hours
- Super Silenced Canopy – Lockable
- Bunded base
- Weight: 660 kg
- Dimensions (L x W x H): 1570 x 750 x 1034
- **EEC NOISE COMPLIANT**

GE 20 YSX

YANMAR
4TNV88
1500 rpm



- 3-phase 400 V: 20 kVA
- LINZ synchronous alternator
- Double voltage control: AVR and Compound
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequency meter (digital – EP6)
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- YANMAR diesel engine – water cooled, 1500 RPM
- EP6 (key start) engine protection
- Long run tank – 27 hours
- Super Silenced Canopy – Lockable
- Bunded base
- Weight: 700 kg
- Dimensions (L x W x H): 1990 x 850 x 1258
- **EEC NOISE COMPLIANT**

GE 35 YSX

YANMAR
4TNV98
1500 rpm



- 3-phase 400 V: 38 kVA
- LINZ synchronous alternator
- Double voltage control: AVR and Compound
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequency meter (digital – EP6)
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- YANMAR diesel engine – water cooled, 1500 RPM
- EP6 (key start) engine protection
- Long run tank – 16 hours
- Super Silenced Canopy – Lockable
- Bunded base
- Weight: 900 kg
- Dimensions (L x W x H): 1990 x 850 x 1258
- **EEC NOISE COMPLIANT**

GE 45 YSX

YANMAR
4TNV98T
1500 rpm



- 3-phase 400 V: 46 kVA
- LINZ synchronous alternator
- Double voltage control: AVR and Compound
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequency meter (digital – EP6)
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- YANMAR diesel engine – water cooled, 1500 RPM
- EP6 (key start) engine protection
- Long run tank – 13 hours
- Super Silenced Canopy – Lockable
- Bunded base
- Weight: 1100 kg
- Dimensions (L x W x H): 1990 x 850 x 1258
- **EEC NOISE COMPLIANT**

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.

HEAVY DUTY POWER

WATER COOLED



PERKINS

GE 15 PSX EAS

PERKINS
403 D 15 G
1500 rpm



GE 20 PSX EAS

PERKINS
404 D 22 G
1500 rpm



GE 35 PSX EAS

PERKINS
1103D-33G*
1500 rpm



* new type engine, available soon.

GE 55 PS, PMS EAS

PERKINS
1103C-33TG3
1500 rpm



GE 55 PSX, PMSX EAS

PERKINS
1103C-33TG3
1500 rpm



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)

- 3-phase 400 V: 16 kVA
- 1-phase 230 V: 6 kVA
- LINZ synchronous alternator
- Double voltage control: AVR and Compound
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequency meter gauge
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- PERKINS diesel engine – water cooled, 1500 RPM
- ES engine protection
- Long run tank – 21.5 hours
- Super Silenced Canopy – Lockable
- Weight: 630 kg*
- Dimensions (L x W x H): 1720x980x1110
- **EEC NOISE COMPLIANT**

*Weight may differ, first prototype with Linz alternator still to be produced when this catalogue was printed.

- 3-phase 400 V: 22 kVA
- 1-phase 230 V: 7 kVA
- NEW AGE STAMFORD synchronous alternator
- AVR voltage regulation
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequency meter (digital – EP6)
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- PERKINS diesel engine – water cooled, 1500 RPM
- EP6 (key start) engine protection
- Long run tank – 15 hours
- Super Silenced Canopy – Lockable
- Weight: 680 kg
- Dimensions (L x W x H): 1720x980x1110
- **EEC NOISE COMPLIANT**

- 3-phase 400 V: 33 kVA
- 1-phase 230 V: 11 kVA
- NEW AGE STAMFORD synchronous alternator
- AVR voltage regulation
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequency meter (digital – EP6)
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- PERKINS diesel engine – water cooled, 1500 RPM
- EP6 (key start) engine protection
- Day tank – 11 hours
- Super Silenced Canopy – Lockable
- Bunded base
- Weight: 920 kg
- Dimensions (L x W x H): 2030x870x1130
- **EEC NOISE COMPLIANT**

- 3-phase 400 V: 51 kVA
- 1-phase 230 V: 17 kVA
- NEW AGE STAMFORD synchronous alternator (PS version)
- MARELLI synchronous alternator (PMS version)
- AVR voltage regulation
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequency meter (digital – EP6)
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- PERKINS diesel engine – water cooled, 1500 RPM
- EP6 (key start) engine protection
- Day tank – 8.1 hours
- Super Silenced Canopy – Lockable
- Bunded base
- Weight: 1000 kg
- Dimensions (L x W x H): 2030x870x1130
- **EEC NOISE COMPLIANT**

- 3-phase 400 V: 51 kVA
- 1-phase 230 V: 17 kVA
- NEW AGE STAMFORD synchronous alternator (PSX version)
- MARELLI synchronous alternator (PMSX version)
- AVR voltage regulation
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequency meter (digital – EP6)
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- PERKINS diesel engine – water cooled, 1500 RPM
- EP6 (key start) engine protection
- Long run tank – 13 hours
- Super Silenced Canopy – Lockable
- Bunded base
- Weight: 1200 kg (PSX), 1140 kg (PMSX)
- Dimensions (L x W x H): 2490x1030x1480
- **EEC NOISE COMPLIANT**

HEAVY DUTY POWER

WATER COOLED



PERKINS

GE 65 PSX, PMSX EAS

PERKINS
1104C-44TG3
1500 rpm



GE 85 PSX, PMSX EAS

PERKINS
1104D-E44TAG1*
1500 rpm



* new type engine, available soon.

GE 115 PSX, PMSX EAS

PERKINS
1104C-E44TAG2*
1500 rpm



* new type engine, available soon.

GE 145 PSX, PMSX EAS

PERKINS
1106C-E66TAG2
1500 rpm



GE165 PSX, PMSX EAS

PERKINS
1106C-E66TAG3
1500 rpm



- 3-phase 400 V: 66 kVA
- 1-phase 230 V: 22 kVA
- NEW AGE STAMFORD synchronous alternator (PSX version)
- MARELLI synchronous alternator (PMSX version)
- AVR voltage regulation
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequencymeter (digital – EP6)
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- PERKINS diesel engine – water cooled, 1500 RPM
- EP6 (key start) engine protection
- Day tank – 8.5 hours
- Super Silenced Canopy – Lockable
- Bunded base
- Weight: 1330 kg (PSX), 1280 kg (PMSX)
- Dimensions (L x W x H): 2490x1030x1480
- EEC NOISE COMPLIANT

- 3-phase 400 V: 88 kVA
- 1-phase 230 V: 29 kVA
- NEW AGE STAMFORD synchronous alternator (PSX version)
- MARELLI synchronous alternator (PMSX version)
- AVR voltage regulation
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequencymeter (digital – EP6)
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- PERKINS diesel engine – water cooled, 1500 RPM
- Electronic engine governor
- EP6 (key start) engine protection
- Long run tank – 16 hours
- Super Silenced Canopy – Lockable
- Bunded base
- Weight: 1655 kg (PSX), 1620 kg (PMSX)
- Dimensions (L x W x H): 2740x1200x1640
- EEC NOISE COMPLIANT

- 3-phase 400 V: 110 kVA
- 1-phase 230 V: 36,5 kVA
- NEW AGE STAMFORD synchronous alternator (PSX version)
- MARELLI synchronous alternator (PMSX version)
- AVR voltage regulation
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequencymeter (digital – EP6)
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- PERKINS diesel engine – water cooled, 1500 RPM
- Electronic engine governor
- EP6 (key start) engine protection
- Long run tank – 13.5 hours
- Super Silenced Canopy – Lockable
- Bunded base
- Weight: 1680 kg (PSX), 1655 kg (PMSX)
- Dimensions (L x W x H): 2740x1200x1640
- EEC NOISE COMPLIANT

- 3-phase 400 V: 152 kVA
- 1-phase 230 V: 50 kVA
- NEW AGE STAMFORD synchronous alternator (PSX version)
- MARELLI synchronous alternator (PMSX version)
- AVR voltage regulation
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequencymeter (digital – EP6)
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- PERKINS diesel engine – water cooled, 1500 RPM
- Electronic engine governor
- EP6 (key start) engine protection
- Day tank – 9.5 hours
- Super Silenced Canopy – Lockable
- Bunded base
- Weight: 2200 kg (PSX), 2130 kg (PMSX)
- Dimensions (L x W x H): 3400x1200x1800
- EEC NOISE COMPLIANT

- 3-phase 400 V: 165 kVA
- 1-phase 230 V: 55 kVA
- NEW AGE STAMFORD synchronous alternator (PSX version)
- MARELLI synchronous alternator (PMSX version)
- AVR voltage regulation
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequencymeter (digital – EP6)
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- PERKINS diesel engine – water cooled, 1500 RPM
- Electronic engine governor
- EP6 (key start) engine protection
- Day tank – 9 hours
- Super Silenced Canopy – Lockable
- Bunded base
- Weight: 2200 kg (PSX), 2230 kg (PMSX)
- Dimensions (L x W x H): 3400x1200x1800
- EEC NOISE COMPLIANT

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.

HEAVY DUTY POWER WATER COOLED



JCB

GE 65 JSX, JMSX EAS	GE 85 JSX, JMSX EAS	GE 125 JSX, JMSX EAS	GE 145 JSX, JMSX EAS
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="font-size: 0.8em;"> <p>JCB 444 G TC1 1500 rpm</p> <div style="display: flex; gap: 5px;"> </div> </div> <div style="text-align: right;"> </div> </div>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="font-size: 0.8em;"> <p>JCB 444 G TC2 1500 rpm</p> <div style="display: flex; gap: 5px;"> </div> </div> <div style="text-align: right;"> </div> </div>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="font-size: 0.8em;"> <p>JCB 444 G TGA 1500 rpm</p> <div style="display: flex; gap: 5px;"> </div> </div> <div style="text-align: right;"> </div> </div>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="font-size: 0.8em;"> <p>JCB 448 G TGA 1500 rpm</p> <div style="display: flex; gap: 5px;"> </div> </div> <div style="text-align: right;"> </div> </div>
<ul style="list-style-type: none"> 3-phase 400 V: 66 kVA 1-phase 230 V: 22 kVA NEW AGE STAMFORD synchronous alternator (JSX version) MARELLI synchronous alternator (JMSX version) AVR voltage regulation Circuit breaker and G.F.I. protection Voltmeter/Amperometer/Frequencymeter (digital – EP6) EAS – Prewired for Auto Mains Failure panel Optional remote Stop/Start control (10 metre) JCB diesel engine – water cooled, 1500 RPM EP6 (key start) engine protection Long run tank – 21.5 hours Super Silenced Canopy – Lockable Bunded base Weight: 1630 kg (JSX), 1700 kg (JMSX) Dimensions (L x W x H): 2740x1200x1720 EEC NOISE COMPLIANT 	<ul style="list-style-type: none"> 3-phase 400 V: 88 kVA 1-phase 230 V: 29 kVA NEW AGE STAMFORD synchronous alternator (JSX version) MARELLI synchronous alternator (JMSX version) AVR voltage regulation Circuit breaker and G.F.I. protection Voltmeter/Amperometer/Frequencymeter (digital – EP6) EAS – Prewired for Auto Mains Failure panel Optional remote Stop/Start control (10 metre) JCB diesel engine – water cooled, 1500 RPM EP6 (key start) engine protection Long run tank – 16 hours Super Silenced Canopy – Lockable Bunded base Weight: 1770 kg (JSX), 1715 kg (JMSX) Dimensions (L x W x H): 2740x1200x1720 EEC NOISE COMPLIANT 	<ul style="list-style-type: none"> 3-phase 400 V: 120 kVA 1-phase 230 V: 40 kVA NEW AGE STAMFORD synchronous alternator (JSX version) MARELLI synchronous alternator (JMSX version) AVR voltage regulation Circuit breaker and G.F.I. protection Voltmeter/Amperometer/Frequencymeter (digital – EP6) EAS – Prewired for Auto Mains Failure panel Optional remote Stop/Start control (10 metre) JCB diesel engine – water cooled, 1500 RPM EP6 (key start) engine protection Long run tank – 12.5 hours Super Silenced Canopy – Lockable Bunded base Weight: 1870 kg (JSX), 1800 kg (JMSX) Dimensions (L x W x H): 2740x1200x1720 EEC NOISE COMPLIANT 	<ul style="list-style-type: none"> 3-phase 400 V: 140 kVA 1-phase 230 V: 45 kVA NEW AGE STAMFORD synchronous alternator (JSX version) MARELLI synchronous alternator (JMSX version) AVR voltage regulation Circuit breaker and G.F.I. protection Voltmeter/Amperometer/Frequencymeter (digital – EP6) EAS – Prewired for Auto Mains Failure panel Optional remote Stop/Start control (10 metre) JCB diesel engine – water cooled, 1500 RPM EP6 (key start) engine protection Day tank – 10 hours Super Silenced Canopy – Lockable Bunded base Weight: 1140 kg Dimensions (L x W x H): 2490x1030x1480 EEC NOISE COMPLIANT

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)

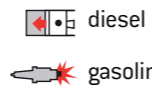
Note: Other voltages and frequencies (60 Hz) available on request. All site tows and wheels-handles in pictures are optional. Subject to modification without notice. Values shown are nominal values.

HEAVY DUTY POWER

WATER COOLED



ENGINE



speed (rpm)

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.

VOLVO PENTA

GE 225 VPSX, VPMSX

VOLVO PENTA
TAD 733 GE
1500 rpm



GE 275 VPSX, VPMSX

VOLVO PENTA
TAD 734 GE
1500 rpm



- 3-phase 400 V, GE 225 VPMSX: 230 kVA
- 3-phase 400 V, GE 225 VPSX: 220 kVA
- MARELLI synchronous alternator (VPMSX version)
- NEW AGE STAMFORD synchronous alternator (VSX version)
- AVR voltage regulation
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequencymeter (digital)
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- VOLVO PENTA diesel engine – water cooled, 1500 RPM
- EP6 key start engine protection (manual version)
- GECO engine control (automatic version)
- Day tank – 7,5 hours
- Super Silenced Canopy – Lockable
- Bunded base (optional)
- Weight: 2850 kg
- Dimensions [L x W x H]: 4000x1300x2000
- **EEC NOISE COMPLIANT**

- 3-phase 400 V: 275 kVA
- MARELLI synchronous alternator (VPMSX version)
- NEW AGE STAMFORD synchronous alternator (VSX version)
- AVR voltage regulation
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequencymeter (digital)
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- VOLVO PENTA diesel engine – water cooled, 1500 RPM
- EP6 key start engine protection (manual version)
- GECO engine control (automatic version)
- Running time – 6 hours
- Super Silenced Canopy – Lockable
- Bunded base (optional)
- Weight: 3040 kg
- Dimensions [L x W x H]: 4000x1300x2000
- **EEC NOISE COMPLIANT**

FPT IVECO

GE 305 FSX, FMSX EAS

FPT (IVECO)
C87 TE1D
1500 rpm



- 3-phase 400 V: 297 kVA
- NEW AGE STAMFORD synchronous alternator (FSX version)
- MARELLI synchronous alternator (FMSX version)
- AVR voltage regulation
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequencymeter (digital – EP6)
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- FPT (IVECO) diesel engine – water cooled, 1500 RPM
- EP6 (key start) engine protection
- Daily tank – 12 hours
- Super Silenced Canopy – Lockable
- Bunded base
- Weight: 4100 kg (FSX), 4000 kg (FMSX)
- Dimensions [L x W x H]: 4100x1520x2150
- **EEC NOISE COMPLIANT**

GE 335 FSX, FMSX EAS

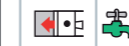
FPT (IVECO)
C10 TE1D
1500 rpm



- 3-phase 400 V: 330 kVA
- NEW AGE STAMFORD synchronous alternator (FSX version)
- MARELLI synchronous alternator (FMSX version)
- AVR voltage regulation
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequencymeter (digital – EP6)
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- FPT (IVECO) diesel engine – water cooled, 1500 RPM
- EP6 (key start) engine protection
- Daily tank – 12 hours
- Super Silenced Canopy – Lockable
- Bunded base
- Weight: 4000 kg (FSX), 3890 kg (FMSX)
- Dimensions [L x W x H]: 4100x1520x2150
- **EEC NOISE COMPLIANT**

GE 385 FSX, FMSX EAS

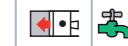
FPT (IVECO)
C13 TE2A
1500 rpm



- 3-phase 400 V: 385 kVA
- NEW AGE STAMFORD synchronous alternator (FSX version)
- MARELLI synchronous alternator (FMSX version)
- AVR voltage regulation
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequencymeter (digital – EP6)
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- FPT (IVECO) diesel engine – water cooled, 1500 RPM
- EP6 (key start) engine protection
- Daily tank – 10,8 hours
- Super Silenced Canopy – Lockable
- Bunded base
- Weight: 4160 kg (FSX), 4050 kg (FMSX)
- Dimensions [L x W x H]: 4100x1520x2150
- **EEC NOISE COMPLIANT**

GE 455 FSX, FMSX EAS

FPT (IVECO)
C13 TE3A
1500 rpm



- 3-phase 400 V, GE 455 FSX: 440 kVA
- 3-phase 400 V, GE 455 FMSX: 450 kVA
- NEW AGE STAMFORD synchronous alternator (FSX version)
- MARELLI synchronous alternator (FMSX version)
- AVR voltage regulation
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequencymeter (digital – EP6)
- EAS – Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- FPT (IVECO) diesel engine – water cooled, 1500 RPM
- EP6 (key start) engine protection
- Daily tank – 8,5 hours
- Super Silenced Canopy – Lockable
- Bunded base
- Weight: 4340 kg (FSX), 4240 kg (FMSX)
- Dimensions [L x W x H]: 4100x1520x2150
- **EEC NOISE COMPLIANT**

EAS AND PAC CONTROL UNITS

↘ EAS 15 B 806
EAS 15 D 806



↘ EAS 17 805
EAS 28 805



↘ EAS 42 805
EAS 76 805



↘ EAS 111 805
EAS 170 805



↘ EAS 275 MTE 805
EAS 435 MTE 805



↘ PAC 200 MTE
PAC 300 MTE



GEN-SETS AND CORRESPONDING EAS BOXES FOR AUTOMATIC INTERVENTION

MODEL OF GEN-SET	TYPE OF EAS UNIT					
	EAS 15 B 806	EAS 15 D 806	EAS 17 805	EAS 28 805	EAS 42 805	EAS 76 805
GE 4500 SX EAS	•					
GE 4500 HSX EAS	•					
GE 6000 SX GS EAS	•					
GE 6500 SX GS EAS	•					
GE 7000 HSX EAS	•					
GE 7000 SX GA EAS	•					
GE 7500 HSX EAS	•					
GE 7554 HSX EAS	•					
GE 7554 SX-GS EAS	•					
GE 10000 SXC EAS			•			
GE 12000 SXC GS EAS*			•			
GE 13000 SXC EAS			•			
GE 14000 SXC GS EAS		•				
GE 14000 LD GS EAS		•				
GE 14000 YS GS EAS				•		
GE 15000 SXC EAS			•			
GE 20000 LS GS EAS			•			
GE 10 SXC		•				
GE 10 YSX		•				
GE 15 YSX				•		
GE 15 PSX				•		
GE 20 YSX				•		
GE 20 PSX				•		
GE 22 VSX EAS				•		
GE33 VSX EAS					•	
GE 35 YSX					•	
GE 35 PSX					•	
GE40 VSX EAS					•	
GE 45 YSX					•	
GE 55 PS						•
GE 55 PSX						•
GE 55 PMSX						•
GE 65 PSX						•
GE 65 PMSX						•
GE 65 JSX						•
GE 65 JMSX						•

* for this model the correct EAS box is EAS 17 M 805 (single-phase)

GEN-SETS AND CORRESPONDING EAS / PAC UNITS FOR AUTOMATIC INTERVENTION

MODEL OF GEN-SET	TYPE OF EAS/PAC UNIT					
	EAS 111 805	EAS 170 805	EAS 275 MTE 805	EAS435 MTE 805	PAC 200 MTE	PAC 300 MTE
GE 85 SKID	•					
GE 85 PSX	•					
GE 85 PMSX	•					
GE 85 JSX	•					
GE 85 JMSX	•					
GE 115 SKID	•					
GE115 PSX	•					
GE 115 PMSX	•					
GE125 JSX	•					
GE125 JMSX	•					
GE 145 SKID		•				
GE145 PS		•				
GE 145 PMS		•				
GE145 PSX		•				
GE145 PMSX		•				
GE145 PSX		•				
GE 165 SKID		•				
GE165 PS		•				
GE 165 PMS		•				
GE165 PSX		•				
GE165 PMSX		•				
GE 225 VPSX					•	
GE 225 VPMSX					•	
GE 275 VPSX						•
GE 275 VPMSX						•
GE 305 FMSX			•			
GE 335 FMSX				•		
GE 385 FMSX				•		
GE 455 FMSX				•		

SPECIAL APPLICATIONS

ASYNCHRONOUS - THREE-PHASE

GE 7000 SX/GA EAS



- Yanmar L 100 N
- 3000 rpm
- 3-phase 400 V: **6.5 kVA**
- 1-phase 230 V: **5 kVA**
- Running time (load 75%): **19 h**
- Weight: **209 kg**

GE 10000 SXC EAS



- Lombardini 12 LD
- 3000 rpm
- 3-phase 400 V: **10 kVA**
- 1-phase 230 V: **7.5 kVA**
- Running time (load 75%): **10 h**
- Weight: **344 kg**

GE 13000 SXC EAS



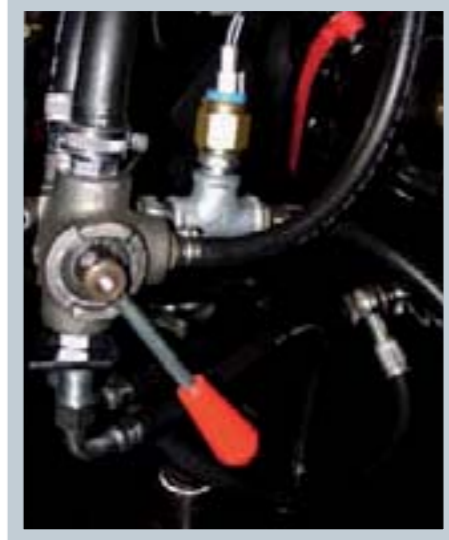
- Lombardini 12 LD
- 3000 rpm
- 3-phase 400 V: **14.5 kVA**
- 1-phase 230 V: **10 kVA**
- Running time (load 75%): **8.2 h**
- Weight: **360 kg**

GE 15000 SXC EAS



- Lombardini 9 LD
- 3000 rpm
- 3-phase 400 V: **16.5 kVA**
- 1-phase 230 V: **10 kVA**
- Running time (load 75%): **7.5 h**
- Weight: **406 kg**

3-WAY VALVE KIT, to allow fuel transfer from an external large tank.



24 h FUEL TANK, for a very long run operating time.



CATAPHORESIS, a special treatment for a better and more homogeneous protection against corrosion.



SPARK ARRESTOR, an anti-flame return device integrated in the engine exhaust system. For some models, integrated in the canopy (see picture, GE 275).



LIGHTING TOWERS



TFMM 5.5

HALOGEN

METAL HALIDE



- Max height: 5,5 m
- Mast rising: manual
- Illuminated area: 750 m²
- Lamp: halogen 4 x 500 W
- Minimum GE required: GE 4500 HSX
- Version mounted on wheels and handles

- Max height: 5,5 m
- Mast rising: manual
- Illuminated area: 1800 m²
- Lamp: metal halide 4 x 500 W
- Minimum GE required: GE 6000 SX-GS
- Version mounted on wheels and handles

TFMM 5.5 INTEGRAL



- Max height: 5,5 m
- Mast rising: manual
- Illuminated area: 1800 m²
- Lamp: metal halide 4 x 400 W
- Minimum GE required: GE 6000 SX-GS
- Version mounted on road trailer

TFMM 9



- Max height: 9 m
- Mast rising: manual
- Illuminated area: 1800 m²
- Lamp: halogen 4 x 1000 W
- Minimum GE required: GE 12000 SXC-GS
- Version mounted on site trailer

TFIM9 HYDRAULIC



- Max height: 9 m
- Mast rising: hydraulic
- Illuminated area: 4800 m²
- Lamp: metal halide 4 x 1000 W
- Minimum GE required: GE 12000 SXC-GS
- Version mounted on site trailer



ENGINE DRIVEN WELDERS



MOSA

- **MAGIC WELD TECHNOLOGY** PAG. 34
- **CT TECHNOLOGY** PAG. 36
- **TS TECHNOLOGY** PAG. 37
- **DSP TECHNOLOGY** PAG. 39



MAGIC WELD TECHNOLOGY

Portable high frequency welding

NEW MAGIC WELD

Small in size,
big on performance

Launched in 2005 the **New Magic Weld** is a compact professional welder-generator which is easy to transport. The entire machine weighs only 34kg and is powered by a Honda petrol engine with an innovative permanent magnet alternator giving a 150 A DC welding output with "power on demand" auto idle control to reduce fuel consumption and engine wear. The **New Magic Weld** is able to weld any kind of electrodes (basic, rutile, cellulosic) up to 3,25 mm thanks to Mosa Power Optimiser Technology. In addition, there is 2 kw DC auxiliary power available for small electric tools or lighting. The **New Magic Weld** is an indispensable machine when it comes to mobile repair welding.



NEW MAGIC WELD



- Arc welding source in C.C. welding
- Welds any type of electrode, including cellulosic
- High frequency control of welding current and voltage
- High performing alternator with permanent magnets
- D.C. generator
- Chopped auxiliary current for tools' safety
- Gasoline engine HONDA OHV
- Oil alert (engine stop)
- Engine Power Optimizer
- Economizer (automatic idle)
- Portable (34 Kgs)
- In accordance with EEC rules

Options on request:

- Plug: 230 V - 110 V - 110 V NEMA
- Welding cables: K185 (4.5+3m, 35 mm²), K190 (10+8m, 35 mm²), K200 (20+15m, 35 mm²)
- Parallel cables: K 2x150 (35 mm²)
- Trolley (wheels+handle): CTM-MW



MAGIC WELD 200

All the power of 200 A
in 57 kg package

The **Magic Weld 200** welding generator from Mosa is a compact, lightweight professional welding generator with an output of 200 A @ 60% duty cycle.

The **Magic Weld 200** is powered by a Honda petrol engine and an innovative permanent magnet alternator giving a 200 A DC welding output with "power on demand" auto idle control to reduce fuel consumption and engine wear. The **Magic Weld 200** is able to weld any kind of electrodes (basic, rutile, cellulosic) up to 4.0 mm thanks to Mosa Power Optimiser Technology. In addition there is 3 kVA, 50 hz, auxiliary power for small electric tools or lighting. Another professional feature of the **Magic Weld 200** is the optional welder remote control enabling welding adjustment up to 20 metres away from the machine.

Power Optimizer.

Incorporated in the New Magic Weld and Magic Weld 200 series is Power Optimiser Technology (Patent Pending) designed by Mosa to optimise the engine power without overloading ensuring a consistent, stable welding condition every time.

MAGIC WELD 200



Chopper technology

- Arc welding source in C.C. welding
- Welds any type of electrode, including cellulosic
- High frequency control of welding current and voltage
- High performing alternator with permanent magnets
- Single-phase AUX current, 50hZ, inverter generated
- Gasoline engine HONDA OHV
- Oil alert (engine stop)
- Engine Power Optimizer
- Economizer (automatic idle)
- Protective tubular frame
- Portable (57 Kgs.)
- In accordance with EEC rules

Options on request:

- Plug: 230 V
- Remote control: TC7 (20 mt cable)
- Welding cables: K185 (4.5+3m, 35 mm²), K190 (10+8m, 35 mm²), K200 (20+15m, 35 mm²)
- Parallel cables: K 2x150 (35 mm²)
- Four handles' kit: TRM-MW200 (n. 4 folding handles)
- Trolley (wheels and handles): CTM-MW200

CT TECHNOLOGY

Compact high frequency welding



- Wire feeder WF4 for CC/CV versions



• CC/CV Welding Control Panel

CT 230 SX PLUS / CT 230 YSX CC/CV

YANMAR L 100 N
3000 rpm



CT 350 LSX, LSX CC-CV

LOMBARDINI 12 LD
3000 rpm



- Standard version: CT 230 SX PLUS
- Costant Current / Costant 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**

- Standard version: CT 350 LSX
- Costant Current / Costant Voltage version: CT 350 LSX CC/CV
- Welding processes:
 - SMAW: Shielder 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, 15 h
- Super Silenced Canopy – Lockable
- Weight: 345 kg
- Dimensions (L x W x H): 1230x690x925
- **EEC NOISE COMPLIANT**

TS TECHNOLOGY

Portable and heavy duty



TS 200 BS CF



Honda GX 390
3000 rpm

- 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



Honda GX 390
3000 rpm

- Max welding power: 170 A
- 3-phase AUX power: 6 kVA
- 1-phase AUX power: 5 kVA
- Weight: 105 kg

TS 200 DS/DES CF

MANUAL START

ELECTRIC START



Yanmar L 100 N
3000 rpm

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

TS 200 DES EL



Yanmar L 100 N
3000 rpm

- Max welding power: 170 A
- 3-phase AUX power: 6 kVA
- 1-phase AUX power: 5 kVA
- Weight: 131 kg

TS 250 D EL



Lombardini 12 LD
3000 rpm

- 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
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
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



- Perkins
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



- Perkins
404 C 22G
1500 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**

TS 615 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.

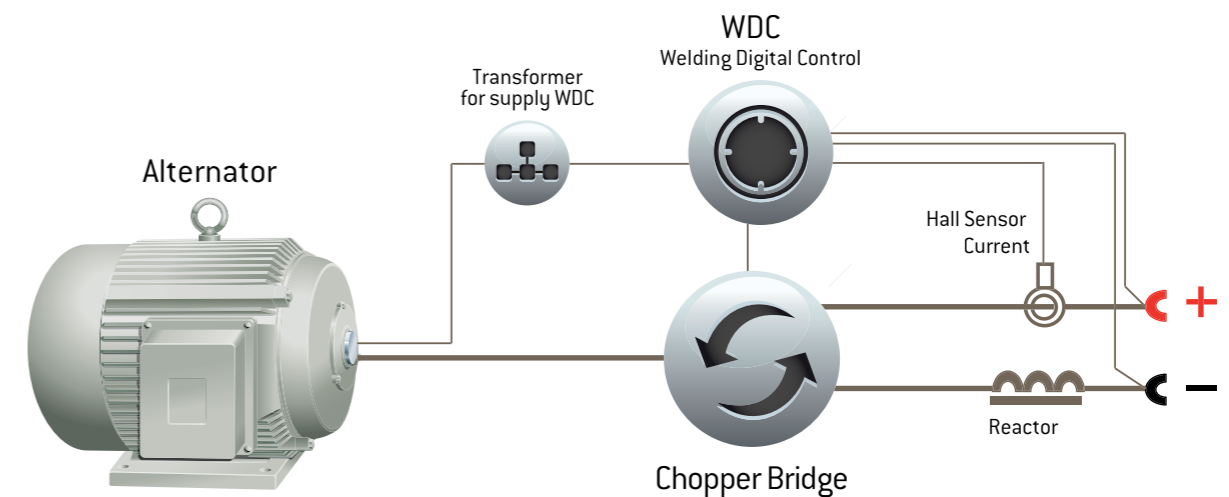
The high speed of the DSP allows almost instantaneous control of welding parameters, translating into a highly stable output current or welding voltage.

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

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

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

DSP TECHNOLOGY

Multipurpose professional welding



• Wire feeder WF4



↳ DSP 400 YSX

YANMAR
3TNV 76
3000 rpm



↳ DSP 500 PS

PERKINS
404C 22 G
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 metre (optional)
- Arc force
- Voltage reduction device VRD
- Digital welding voltmeter/amperometer
- 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
- Bunded 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 metre (optional)
- Arc force
- Voltage reduction device VRD
- Digital welding voltmeter/amperometer
- 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 metre (optional)
- Arc force
- Voltage reduction device VRD
- Digital welding voltmeter/amperometer
- 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-33T63
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 RC1/90, 20 metre (optional)
- Arc force
- Voltage reduction device VRD
- Digital welding voltmeter/amperometer
- 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

www.mosa.it

MOSA guarantees:



PROJECT

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



CHECK

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

