

MOSA

➤ GENERATING SETS

➤ ENGINE DRIVEN WELDERS



75.000 m²

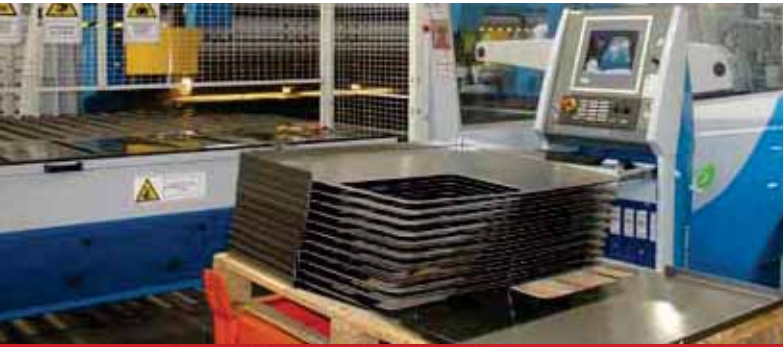


MOSA, founded in 1963, is specialized in the production of high quality, professional engine driven welders and generating sets. Over the years MOSA has supplied several hundred thousand engine driven welders and generators to customers all over the world and the name MOSA has become synonymous with 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,...).

COMPANY PROFILE

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.



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.



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.

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.



RANGE OF PRODUCTS



GENERATING SETS

PAG. 6

EAS UNITS

PAG. 26





↘ **LIGHTING
TOWERS**
PAG. 30



↘ **ENGINE DRIVEN WELDERS**
PAG. 32



GENERATING SETS





- **COMPACT POWER** PAG. 9
 - **EMERGENCY POWER** PAG. 11
 - **HEAVY DUTY POWER:**
 - **AIR COOLED** PAG. 14
 - **WATER COOLED** PAG. 16
- YANMAR RANGE
PERKINS RANGE
JCB RANGE
FPT/IVECO RANGE



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

COMPACT POWER





SINGLE PHASE - PETROL - OPEN FRAME

GE 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%): 3.8 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%): 1.7 h
- Weight: 35 kg

GE 4500 HBS



available with
AVR

Honda
GX 270
3000 rpm






- Manual Start
- 1-phase 230 V: 4.9 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
- Tank capacity: 18 liters

THREE PHASE - PETROL - 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
- Tank capacity: 18 liters

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.

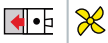
SINGLE PHASE - DIESEL - OPEN FRAME

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: 5,7 kVA
- Running time (load 75%): 4,6 h
- Weight: 99 kg / 105 Kg



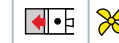
GE 6000 DES/GS LARGE



available with
AVR

Yanmar
L 100 N
3000 rpm

- Electric start
- 1-phase 230 V: 5,7 kVA
- Running time (load 75%): 15 h
- Weight: 120 kg
- Tank capacity: 18 liters

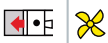


GE 10000 LD/GS

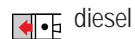


Lombardini
25 LD 425/2
3000 rpm

- Electric start
- 1-phase 230 V: 10 kVA
- Running time (load 75%): 8.2 h
- Weight: 159 kg
- Tank capacity: 18 liters



ENGINE



diesel

speed (rpm)



gasoline

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.

THREE PHASE - DIESEL - OPEN FRAME

GE 6500 DS-DES/GS

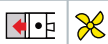
MANUAL START

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
- Tank capacity: 18 liters



GE 12000 LD/GS



Lombardini
25 LD 425/2
3000 rpm

- Electric start
- 3-phase 400 V: 12 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



available with AVR

Honda GX 270

3000 rpm

- 1-phase 230 V: 4.9 kVA
- Silenced
- Running time (load 75%): 3.1 h
- Weight: 78 kg



GE 4500 HSX EAS



ONLY 63 db(A)

Honda GX 270

3000 rpm

- 1-phase 230 V: 4.9 kVA
- Super-Silenced
- Running time (load 75%): 7.5 h
- Weight: 130 kg



GE 7000-7500 HSX EAS



ONLY 64 db(A)

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: 6.7 kVA (GE 7000)
- Running time (load 75%): 8 h
- Weight: 155 kg / 165 kg



DIESEL EMERGENCY SYSTEMS

GE 6000-6500 SX/GS EAS

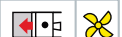


GE 6000 available with AVR

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%): 19 h
- Weight: 194 kg / 200 kg



GE 14000 LD/GS EAS



Lombardini 12 LD 477/2

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 477/2

3000 rpm

- Single-phase only
- 1-phase 230 V: 13,5 kVA
- Running time (load 75%): 8.2 h
- Weight: 297 kg



GE 14000 SXC/GS EAS



Lombardini 12 LD 477/2

3000 rpm

- 3-phase 400 V: 15 kVA
- 1-phase 230 V: 5 kVA
- Running time (load 75%): 8.2 h
- Weight: 315 kg



GE 14000 YS/GS EAS



WATER COOLED

Yanmar 3 TNV 70

3000 rpm

- 3-phase 400 V: 14 kVA
- 1-phase 230 V: 5 kVA
- Running time (load 75%): 9 h
- Weight: 390 kg



GE 20000 LS/GS EAS



Lombardini 9 LD 625/2

3000 rpm

- 3-phase 400 V: 20 kVA
- 1-phase 230 V: 9 kVA
- Running time (load 75%): 7.5 h
- Weight: 386 kg



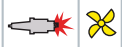
IP54 - SYNCHRONOUS - THREE-PHASE - WITH AVR

GE 7554 HBS



Honda
GX 390
3000 rpm

- 3-phase 400 V: 7.5 kVA
- 1-phase 230 V: 5 kVA
- RVT - automatic voltage regulation
- Running time (load 75%): 7.2 h
- Weight: **135 kg**



GE 7554 HSX EAS



ONLY 64 db(A)

Honda
GX 390
3000 rpm

- 3-phase 400 V: 7.5 kVA
- 1-phase 230 V: 5 kVA
- RVT - automatic voltage regulation
- Running time (load 75%): 8 h
- Weight: **178 kg**



GE 7554 YSX EAS



Yanmar
L 100 N
3000 rpm

- 3-phase 400 V: 7 kVA
- 1-phase 230 V: 5 kVA
- RVT - automatic voltage regulation
- Running time (load 75%): 19 h
- Weight: **215 kg**



GE 7554 Y DE-L



Yanmar
L 100 N
3000 rpm

- 3-phase 400 V: 6 kVA
- 1-phase 230 V: 5 kVA
- RVT - automatic voltage regulation
- Running time (load 75%): 15 h
- Weight: **140 kg**



GE 12054 HBS



Honda
GX 630
3000 rpm

- 3-phase 400 V: 13 kVA
- 1-phase 230 V: 6 kVA
- RVT - automatic voltage regulation
- Running time (load 75%): 4.5 h
- Weight: **160 kg**

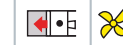


GE 12054 LD



Lombardini
25 LD
3000 rpm

- 3-phase 400 V: 12 kVA
- 1-phase 230 V: 6 kVA
- RVT - automatic voltage regulation
- Running time (load 75%): 8.2 h
- Weight: **177 kg**



HEAVY DUTY POWER



AIR COOLED

GE 10 LSX EAS

Lombardini 9LD 925/2
1500 rpm
 









GE 22 VSX EAS

VM SUN 2105 E2
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)

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.

- 3-phase 400 V: 11 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 (digital-EP6)
- EAS- Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- LOMBARDINI diesel engine- air cooled, 1500 RPM
- EP6 (key start) engine protection
- Long run tank- 13 hours
- Super Silenced Canopy- Lockable
- Weight: 450 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



GE 33 VSX EAS

VM SUN
3105 E2

1500 rpm



- 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

GE 40 VSX EAS

VM SUN
3105 TE2

1500 rpm



- 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

GE 60 VSX EAS

VM SUN
4105 TE2

1500 rpm



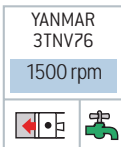
- 3-phase 400 V: 64 kVA
- 1-phase 230 V: 22 kVA
- NEW AGE STAMFORD synchronous alternator
- AVR voltage regulation
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequencymeter (digital- EP6)
- EAS- Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- 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

HEAVY DUTY POWER

WATER COOLED

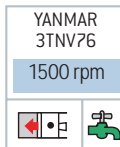
YANMAR

GE 8 YSX



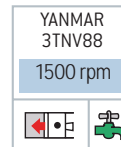
- 1-phase 230 V: 8 kVA
- LINZ synchronous alternator
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequencymeter (digital - EP6)
- EAS - Prewired for Auto Mains Failure panel
- Optional remote Stop/Start control (10 metre)
- YANMAR diesel engine - water cooled, 1500 RPM - stage III a
- EP6 (key start) engine protection
- Long run tank - 30.5 hours
- Super Silenced Canopy - Lockable
- Bunded base
- IP44 protection
- Weight: 525 kg
- Dimensions [L x W x H]: 1680 x 770 x 1190
- EEC NOISE COMPLIANT

GE 10 YSX



- 3-phase 400 V: 9.5 kVA
- 1-phase 400 V: 8 kVA
- LINZ synchronous alternator
- Double voltage control: AVR and Compound
- 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)
- YANMAR diesel engine - water cooled, 1500 RPM - stage III a
- EP6 (key start) engine protection
- Long run tank - 30.5 hours
- Super Silenced Canopy - Lockable
- Bunded base
- IP44 protection
- Weight: 535 kg
- Dimensions [L x W x H]: 1680 x 770 x 1190
- EEC NOISE COMPLIANT







GE 15 YSX



- 3-phase 400 V: 14 kVA
- 1-phase 230 V: 6,5 kVA
- LINZ synchronous alternator
- Double voltage control: AVR and Compound
- 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)
- YANMAR diesel engine - water cooled, 1500 RPM - stage III a
- EP6 (key start) engine protection
- Long run tank - 21 hours
- Super Silenced Canopy - Lockable
- Bunded base
- IP44 protection
- Weight: 630 kg
- Dimensions [L x W x H]: 1680 x 770 x 1190
- EEC NOISE COMPLIANT



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.

GE 20 YSX

YANMAR 4TNV88	
1500 rpm	
 	




GE 35 YSX

YANMAR 4TNV98	
1500 rpm	
 	



GE 45 YSX

YANMAR 4TNV98T	
1500 rpm	
 	



- 3-phase 400 V: 20 kVA
- 1-phase 230 V: 7 kVA
- LINZ synchronous alternator
- Double voltage control: AVR and Compound
- 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)
- YANMAR diesel engine - water cooled, 1500 RPM - stage III a
- EP6 (key start) engine protection
- Long run tank - 29.5 hours
- Super Silenced Canopy - Lockable
- Bunded base
- IP44 protection
- Weight: 750 kg
- Dimensions [L x W x H]: 1830 x 900 x 1265
- EEC NOISE COMPLIANT

- 3-phase 400 V: 38 kVA
- 1-phase 230 V: 12.5 kVA
- LINZ synchronous alternator
- Double voltage control: AVR and Compound
- 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)
- YANMAR diesel engine - water cooled, 1500 RPM - stage III a
- EP6 (key start) engine protection
- Long run tank - 16.5 hours
- Super Silenced Canopy - Lockable
- Bunded base
- IP44 protection
- Weight: 960 kg
- Dimensions [L x W x H]: 2050 x 900 x 1420
- EEC NOISE COMPLIANT

- 3-phase 400 V: 46 kVA
- 1-phase 230 V: 15.5 kVA
- LINZ synchronous alternator
- Double voltage control: AVR and Compound
- 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)
- YANMAR diesel engine - water cooled, 1500 RPM - stage III a
- EP6 (key start) engine protection
- Long run tank - 13 hours
- Super Silenced Canopy - Lockable
- Bunded base
- IP44 protection
- Weight: 1100 kg
- Dimensions [L x W x H]: 2050 x 900 x 1420
- EEC NOISE COMPLIANT



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



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.

- 3-phase 400 V: 15 kVA
- 1-phase 230 V: 6,5 kVA
- LINZ synchronous alternator
- Double voltage control: AVR and Compound
- Circuit breaker and G.F.I. protection
- Voltmeter/Amperometer/Frequencymeter gauge (digital - EP6)
- 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: 580 kg
- Dimensions (L x W x H): 1720x980x1110
- EEC NOISE COMPLIANT

- 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/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
- Long run tank- 15 hours
- Super Silenced Canopy- Lockable
- Weight: 650 kg
- Dimensions (L x W x H): 1720x980x1110
- EEC NOISE COMPLIANT



GE 35 PSX EAS

PERKINS
1103C - 33G3

1500 rpm



- 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

GE 55 PS / GE 55 PMS EAS

PERKINS
1103C-33TG3

1500 rpm



- 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

GE 55 PSX / GE 55 PMSX EAS

PERKINS
1103C-33TG3

1500 rpm



- 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 / GE 65 PMSX EAS

PERKINS
1104C-44TG3

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/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- 8.5 hours
- Super Silenced Canopy- Lockable
- Bunded base
- Weight: 1330 kg (PSX), 1280 kg (PMSX)
- Dimensions [L x W x H]: 2490x1030x1480
- EEC NOISE COMPLIANT

GE 85 PSX / GE 85 PMSX EAS

PERKINS
1104C-44TAG1

1500 rpm



- 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/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
- 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

GE 115 PSX / GE 115 PMSX EAS

PERKINS
1104C-44TAG2

1500 rpm



- 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/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
- 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



↘ **GE 145 PSX / GE 145 PMSX EAS**

PERKINS
1106C-E66TAG2
1500 rpm



↘ **GE165 PSX / GE165 PMSX EAS**

PERKINS
1106C-E66TAG3
1500 rpm



- 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/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
- 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/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
- 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 / GE 65 JMSX EAS

JCB 444 GTC1
1500 rpm
 









GE 85 JSX / GE 85 JMSX EAS

JCB 444 GTC2
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)

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.

- 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

- 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



GE 125 JSX / GE 125 JMSX EAS

JCB
444 G TGA
1500 rpm



GE 145 JSX / GE 145 JMSX EAS

JCB
448 G TGA
1500 rpm



- 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

- 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

HEAVY DUTY POWER

WATER COOLED

FPT IVECO

GE 225 FMSX EAS

FPT (IVECO)
NEF87 TE2A

1500 rpm



- 3-phase 400 V: 225 kVA
- MARELLI 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)
- FPT (IVECO) diesel engine- water cooled, 1500 RPM
- Turbo aftercooled engine with electronic governor
- EP6 (key start) engine protection
- Long run tank- 15 hours
- Super Silenced Canopy- Lockable
- Bunded base
- Weight: 2850 kg
- Dimensions (L x W x H): 3750x1400x2030
- EEC NOISE COMPLIANT

GE 275 FMSX EAS

FPT (IVECO)
C87 TE1D

1500 rpm



- 3-phase 400 V: 275 kVA
- MARELLI 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)
- FPT (IVECO) diesel engine- water cooled, 1500 RPM
- Turbo aftercooled engine with electronic governor
- EP6 (key start) engine protection
- Daily tank- 11.8 hours
- Super Silenced Canopy- Lockable
- Bunded base
- Weight: 3500 kg
- Dimensions (L x W x H): 3750x1400x2030
- EEC NOISE COMPLIANT

GE 305 FMSX EAS

FPT (IVECO)
C87 TE1D

1500 rpm



- 3-phase 400 V: 297 kVA
- MARELLI 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)
- FPT (IVECO) diesel engine- water cooled, 1500 RPM
- Turbo aftercooled engine with electronic governor
- EP6 (key start) engine protection
- Daily tank- 12 hours
- Super Silenced Canopy- Lockable
- Bunded base
- Weight: 4000 kg
- Dimensions (L x W x H): 4100x1520x2150
- EEC NOISE COMPLIANT



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.

GE 335 FMSX EAS

FPT (IVECO) C10 TE1D

1500 rpm



- 3-phase 400 V: 330 kVA
- MARELLI 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)
- FPT (IVECO) diesel engine- water cooled, 1500 RPM
- Turbo aftercooled engine with electronic governor
- EP6 (key start) engine protection
- Daily tank- 12 hours
- Super Silenced Canopy- Lockable
- Bunded base
- Weight: 3890 kg
- Dimensions (L x W x H): 4100x1520x2150
- EEC NOISE COMPLIANT

GE 385 FMSX EAS

FPT (IVECO) C13 TE2A

1500 rpm



- 3-phase 400 V: 385 kVA
- MARELLI 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)
- FPT (IVECO) diesel engine- water cooled, 1500 RPM
- Turbo aftercooled engine with electronic governor
- EP6 (key start) engine protection
- Daily tank- 10,8 hours
- Super Silenced Canopy- Lockable
- Bunded base
- Weight: 4050 kg
- Dimensions (L x W x H): 4100x1520x2150
- EEC NOISE COMPLIANT

GE 455 FMSX EAS

FPT (IVECO) C13 TE3A

1500 rpm



- 3-phase 400 V :450 kVA
- MARELLI 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)
- FPT (IVECO) diesel engine- water cooled, 1500 RPM
- Turbo aftercooled engine with electronic governor
- EP6 (key start) engine protection
- Daily tank- 8,5 hours
- Super Silenced Canopy- Lockable
- Bunded base
- Weight: 4240 kg
- Dimensions (L x W x H): 4100x1520x2150
- EEC NOISE COMPLIANT

EAS CONTROL UNITS

↘ EAS 15 B 806
EAS 15 D 806



↘ EAS 17 805
EAS 28 805



↘ EAS 42 805
EAS 76 805



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 7500 HSX EAS	•					
GE 7554 HSX EAS	•					
GE 7554 YSX EAS	•					
GE 12000 SXC GS EAS *			•			
GE 14000 SXC GS EAS		•				
GE 14000 LD GS EAS		•				
GE 14000 YS GS 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				•		
GE 33 VSX EAS					•	
GE 35 YSX					•	
GE 35 PSX					•	
GE 40 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]

↘ EAS 111 805
EAS 170 805



↘ EAS 275 MTE 805 12V
EAS 275 MTE 805 12V



↘ EAS 435 MTE 805



GEN-SETS AND CORRESPONDING EAS FOR AUTOMATIC INTERVENTION

MODEL OF GEN-SET	TYPE OF EAS UNIT				
	EAS 111 805	EAS 170 805	EAS 275 MTE 805 12V	EAS 275 MTE 805 24V	EAS435 MTE 805
GE 85 SKID	•				
GE 85 PSX	•				
GE 85 PMSX	•				
GE 85 JSX	•				
GE 85 JMSX	•				
GE 115 SKID	•				
GE115 PSX	•				
GE 115 PMSX	•				
GE 125 JSX	•				
GE 125 JMSX	•				
GE 145 SKID		•			
GE 145 PS		•			
GE 145 PMS		•			
GE 145 PSX		•			
GE 145 PMSX		•			
GE 145 PSX		•			
GE 165 SKID		•			
GE 165 PS		•			
GE 165 PMS		•			
GE 165 PSX		•			
GE 165 PMSX		•			
GE 225 FMSX			•		
GE 275 FMSX				•	
GE 305 FMSX				•	
GE 335 FMSX					•
GE 385 FMSX					•
GE 455 FMSX					•

P.T.O. GENERATING SETS



THREE-PHASE GENERATORS WITH BRUSHES - 2-POLES SYNCHRONOUS ALTERNATOR - 3000 RPM

TYPE	3-PHASE POWER (KVA)	1-PHASE POWER (KVA)	POWER PTO	WEIGHT KG	CEE SOCKET 400 V (3P+N+T)	CEE SOCKET 230 V (2P+T)
FT 2 MZS	12	4,5	24	107	16 A	16 A
FT 2 MAS	13,5	5	26	115	32 A	16 A
FT 2 MBS	16	6,5	31	124	32 A	16 A
GT 2 MAS	22	8,5	43	144	32 A	16 A
GT 2 MBS	27	10	52	154	63 A	16 A
GS 140 LTZA	31,5	12,5	60	188	63 A	16 A
GS 140 LTZB	38	15	71	209	63 A	16 A

THREE-PHASE GENERATORS WITH BRUSHES - 4-POLES SYNCHRONOUS ALTERNATOR - 1500 RPM

TYPE	3-PHASE POWER (KVA)	1-PHASE POWER (KVA)	POWER PTO	WEIGHT KG	CEE SOCKET 400 V (3P+N+T)	CEE SOCKET 230 V (2P+T)
GT 4 MBS	16	6,5	32	157	32 A	16 A
GS 140 LT4A	22,5	8,5	44	202	32 A	16 A
GS 140 LT4B	27	10	52	212	63 A	16 A
GS 140 LT4C	30	12	57	214	63 A	16 A

THREE-PHASE BRUSHLESS GENERATORS - 4-POLES SYNCHRONOUS ALTERNATOR - 1500 RPM WITH AVR

TYPE	3-PHASE POWER (KVA)	1-PHASE POWER (KVA)	POWER PTO	WEIGHT KG	CEE SOCKET 400 V (3P+N+T)	CEE SOCKET 230 V (2P+T)
HB4 SBR	16,5	9,9	32	170	32 A	32 A
HB4 CAR	20	12	40	189	32 A	32 A
HB4 MAR	25	15	50	204	32 A	32 A
HB4 LAR	30	18	60	223	63 A	32 A
JB4 SB	42	25,2	84	345	63 A	32 A
JB4 SC	53	31,8	106	361	125 A	32 A
JB4 CA	63	37,8	126	392	125 A	32 A

* All generators are equipped with a frequencymeter, a voltmeter, a circuit breaker and a ground fault interrupter.

** Starting from GT2 MASS all the generators are equipped with ammeter.

*** All the models with AVR are equipped with an hourmeter.

OPTIONS - FACTORY INSTALLATION

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 400 W
- Minimum GE required: GE 6000 SX-GS
- Version mounted on wheels and handles

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

TFII9 Y - INTEGRAL



- Max height: 9 m
- Zinc plated hydraulic telescopic mast
- Illuminated area: 4800 m²
- Lamp: metal halide 4 x 1000 W
- 3TNV76 Yanmar diesel engine - water cooled, 1500 RPM
- Extra power available 1-phase 230 V - 3.2 KvA
- Super long run tank: 75 hours
- Bunded base
- Weight: 1050 Kg
- Dimensions (LxWxH): 3140x1400x2245
- Ultra quiet: 86 dBA LwA
- Road trailer or site tow on request



ENGINE DRIVEN WELDERS





• **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

➤ WAC

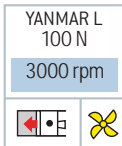


- Wire feeder WF4 for CC/CV versions



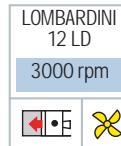
- CC/CV Welding Control Panel

➤ CT 230 SX PLUS / CT 230 YSX CC-CV



- 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

➤ CT 350 LSX / CT 350 LSX CC-CV



- 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: 4 kVA
- Weight: **105 kg**



TS 200 DS-DES/CF

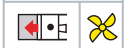
MANUAL START

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**

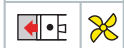


TS 200 DES/EL



Yanmar
L 100 N
3000 rpm

- Max welding power: 170 A
- 3-phase AUX power: 6 kVA
- 1-phase AUX power: 5 kVA
- Weight: **133 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 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
- Arc force regulation
- 3-phase AUX power: 13 kVA
- 1-phase AUX power: 7 kVA
- Weight: 465 Kg



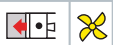
HEAVY DUTY - PIPELINE WELDING - 1500 RPM

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
1800 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

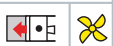


TS 615 VSX BC



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



TS 600 PS BC



Perkins
1103A 33TG1
1500 rpm

- Max welding power: 600 A
- Base Current for pipeline welding
- 3-phase AUX power: 40 kVA
- 1-phase AUX power: 15 kVA
- Weight: 1110 Kg

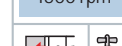


TS 2X400 PSX



Perkins
1103C-33TG3
1500 rpm

- Max welding power: 2x400 A
- Base Current for pipeline welding
- 3-phase AUX power: 40 kVA
- 1-phase AUX power: 20 kVA
- Weight: 1300 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.

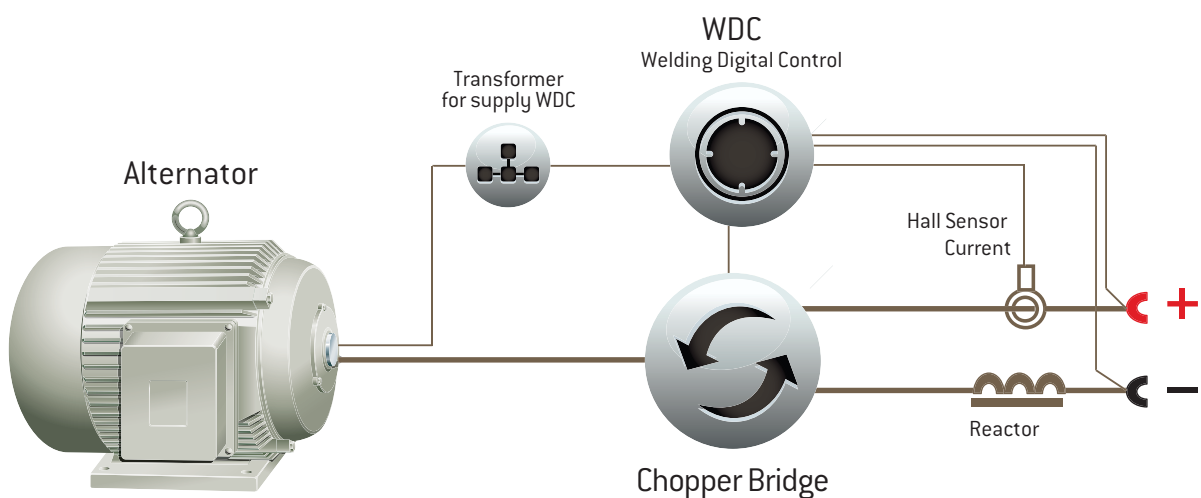
The high speed of the DSP allows almost instantaneous control of welding parameters, translating into a highly stable output current or welding voltage.

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

42v Power Socket

- Mosa WF4 Wire Feed Unit
- RC1 Welding Remote Control

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

DSP TECHNOLOGY

Multipurpose professional welding



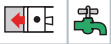
• Wire feeder WF4



↳ DSP 400 YSX

YANMAR
3TNV 76

3000 rpm

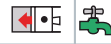


- Multi process welder:
 - SMAW:Shielded Metal Arc welding (Stick)
 - GMAW: Gas Metal Arc Welding (MIG)
 - FCAW: Flux Cored Arc Welding (Flux Cored)
 - GTAW: Gas Tungsten Arc Welding (TIG) - Contact starting
- DC welding:400 A in CC, 350 A in CV
- High Frequency control of welding current & voltage
- 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

↳ 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: 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



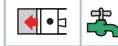
* new type engine, available soon.

- 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-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 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



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