

# MOSA

SILENT AND  
VERSATILE  
LIKE NO  
OTHER.



## RANGE S - SX

3 0 0 0 r p m

# RANGE S

## Silenced generating set

MOSA S Range generating sets are versatile with high performance built in; available in single phase and three phase versions and powered by petrol or diesel single cylinder engines.

### POWER OUTPUTS

the S generating sets are available with all voltage options to meet the different requirements of European markets.

### LONG RUN FUEL TANK & FUEL GAUGE

fitted with a 20 Ltr fuel tank as standard for high autonomy.

### DIGITAL MULTI-FUNCTION METER

press to select - Voltmeter - Frequency - Total Hours on a digital display.

### MODERN CANOPY

curved profile design provides protection from the elements and overall protection for the generating set.





M A D E I N I T A L Y



**High performance, low consumption, reduced noise and vibration levels:**

The **iGX** series engines are characterised by variable timing (digital CDI) and increase of the compression ratio.



**“STR Governor” electronic regulation (Self Tuning Regulator):**

The **iGX** engines have an electronic regulation that operates directly on the regulator throttle valve and ensures an easier start (together with the “Auto Choke” system) and steady rpm even in case of variable loads. The system is independent and does not need batteries: the STR regulator is supplied by coils located under the flywheel.



**Automatic starter (Auto Choke):**

All engines of the **iGX** series are equipped with an automatic starter device (Auto Choke) for an easier start phase without any manual intervention.



**Large “emergency” manual starter for an easier start:**

All engines of the **iGX** series are equipped as standard with an “emergency” manual starter to be used in case of low battery and/or malfunction of the electric starting. The large diameter of the starter enables a simple and easier start even compared with the traditional GX engines (40% less strength needed). The starting is also made easier by the new grip.



The Engine with Built-in Intelligence  
**iGX**<sup>TM</sup>  
TOP OF THE RANGE

A total innovation in the world of petrol generating sets; Honda **iGX** petrol engines with electronic ECU regulation, available for models:  
GE S 5000 HBM – GE S 7000 HBM – GE S 8000 HBT



## FEATURES

Manual recoil (AA)  
 Engine shut down for low oil level  
 Sockets: 1x230V 32A 2P+T CEE  
 1x230V 16A 2P+T CEE  
 1x230V 16A 2P+T Schuko  
 Circuit breaker  
 Fuel level gauge  
 Protective frame and partially covered  
 Portable  
 Meets EC directives for safety  
 AVR version **on request**  
 Electric Start (AE) **on request**  
 Moving trolley **on request**

## GE S-5000 BBM



air cooling



petrol



single-phase



manual recoil



electric starting

### POWER RATINGS

Stand-By single-phase power (LTP)*	5 kVA (4.5 kW) 230V / 21.7A	PRP single-phase power*	4 kVA (3.6 kW) 230V / 17.4A
Frequency	50 Hz		

\* Output powers according to ISO 8528

### ENGINE 3000 RPM, 4 STROKE OHV, NATURAL ASPIRATED

Model	B&S - XR1450	Stand-By net power	6.5 kWm (8.8 hp)
PRP net power	5.9 kWm (8 hp)	Cylinders / Displacement	1 / 306 cm <sup>3</sup> (0.306 l)
Fuel Consumption (75% di PRP)	1.9 l/h		

### GENERAL SPECIFICATIONS

Fuel tank capacity	20 l	Running time (75% to PRP)	10.5 h
IP protection degree	23	Acoustic power LwA (pressure LpA)	98 dB(A) (73 dB(A) @ 7m)
Dry weight machine	76 Kg (AA)	Dimensions (LxHxP)	770x650x520 mm

Available also in the version

The Engine with Built-in Intelligence  
**iGX**



## FEATURES

Manual recoil  
 Engine shut down for low oil level  
 Sockets: 1x230V 32A 2P+T CEE  
 1x230V 16A 2P+T CEE  
 1x230V 16A 2P+T Schuko  
 Circuit breaker  
 Fuel level gauge  
 Protective frame and partially covered  
 Silenced  
 Portable  
 Meets EC directives for noise and safety  
 AVR version **on request** (standard for the version iGX)  
 Electric Starter (AE) for the version iGX  
 Set up to be used with an EAS automatic board (ES)  
 Moving trolley **on request**

## GE S-5000 HBM



air cooling



petrol



single-phase



manual recoil



electric starting

### POWER RATINGS

Stand-By single-phase power (LTP)*	4.9 kVA (4.4 kW) 230V / 21.3A	PRP single-phase power*	4 kVA (3.6 kW) 230V / 17.4A
Frequency	50 Hz		

\* Output powers according to ISO 8528

### ENGINE 3000 RPM, 4 STROKE OHV, NATURAL ASPIRATED

Model	- HONDA GX 270 - HONDA iGX 270	Stand-By net power	5.7 kWm (7.7 hp)
PRP net power	4.6 kWm (6.2 hp)	Cylinders / Displacement	1 / 270 cm <sup>3</sup> (0.27 l.)
Fuel Consumption (75 % di PRP)	1.9 l./h		

### GENERAL SPECIFICATIONS

Fuel tank capacity	20 l	Running time (75% to PRP)	12.5 h
IP protection degree	23	Guaranteed acoustic power LwA (pressure LpA)*	96 dB(A) (71 dB(A) @ 7m)
Dry weight machine	76 Kg (AA)	Dimensions (LxHxP)	770x650x520 mm

\* Acoustic power according to European Directive 2000/14/CE



## GE S-6000 YDM



air cooling



diesel



single-phase



manual recoil



electric starting

### POWER RATINGS

Stand-By single-phase power (LTP)*	5.7 kVA (5.1 kW) 230V / 24.8A	PRP single-phase power*	5 kVA (4.5 kW) 230 V / 21.7A
Frequency	50 Hz		

\* Output powers according to ISO 8528

### Engine 3000 rpm, 4 STROKE OHV, NATURAL ASPIRATED

Model	YANMAR L100N	Stand-By net power	6.5 kWm (8.8 hp)
PRP net power	5.7 kWm (7.7 hp)	Cylinders / Displacement	1 / 435 cm <sup>3</sup>
Fuel Consumption (75% di PRP)	1 l/h		

### GENERAL SPECIFICATIONS

Fuel tank capacity	20 l	Running time (75% to PRP)	20 h
IP protection degree	23	Acoustic power LwA (pressure LpA)	99 dB(A) (74 dB(A) @ 7m)
Dry weight machine	123 Kg (AA)	Dimensions (LxHxP)	770x650x520 mm

### FEATURES

Manual recoil (AA)  
 Low oil pressure automatic engine shut down (AE)  
 Sockets: 1x230V 32A 2P+T CEE,  
 1x230V 16A 2P+T CEE,  
 1x230V 16A 2P+T Schuko  
 Circuit breaker  
 Fuel level gauge  
 Protective frame and partially covered  
 Set up to be used with an EAS automatic board (ES)  
 Meets EC directives for safety  
 AVR version **on request**  
 Electric Start (AE) **on request**  
 Moving trolley **on request**



## GE S-6500 YDT



air cooling



diesel



three-phase



manual recoil



electric starting

### POWER RATINGS

Stand-By three-phase power (LTP)*	6.5 kVA (5.2 kW) 400V / 9.4A	PRP three-phase power*	5.7 kVA (4.6 kW) 400V / 8.2A
Frequency	50 Hz	PRP single-phase power*	4 kVA (3.6 kW) 230V / 17.4A

\* Output powers according to ISO 8528

### ENGINE 3000 RPM, 4 STROKE OHV, NATURAL ASPIRATED

Model	YANMAR L100N	Stand-By net power	6.5 kWm (8.8 hp)
PRP net power	5.7 kWm (7.7 hp)	Cylinders / Displacement	1 / 435 cm <sup>3</sup>
Fuel Consumption (75% di PRP)	1 l/h		

### GENERAL SPECIFICATIONS

Fuel tank capacity	20 l	Running time (75% to PRP)	20 h
IP protection degree	23	Acoustic power LwA (pressure LpA)	99 dB(A) (74 dB(A) @ 7m)
Dry weight machine	127 Kg (AA)	Dimensions (LxHxP)	770x650x520 mm

### FEATURES

Manual recoil (AA)  
 Low oil pressure automatic engine shut down (AE)  
 Sockets: 1x400V 16A 3P+N+T CEE,  
 1x230V 16A 2P+T CEE,  
 1x230V 16A 2P+T Schuko  
 Circuit breaker  
 Fuel level gauge  
 Protective frame and partially covered  
 Meets EC directives for safety  
 AVR version **on request**  
 Electric Start (AE) **on request**  
 Set up to be used with an EAS automatic board (ES)  
 Moving trolley **on request**



## FEATURES

- Manual recoil (AA)
- Engine shut down for low oil level
- Sockets: 1x230V 32A 2P+T CEE, 1x230V 16A 2P+T CEE, 1x230V 16A 2P+T Schuko
- Circuit breaker
- Fuel level gauge
- Protective frame and partially covered
- Silenced
- Portable
- Meets EC directives for safety
- AVR version **on request**
- Electric Start (AE) **on request**

## GE S-7000 BBM

VERSIONS UPON REQUEST: with trolley as shown in the picture.



air cooling



petrol



single-phase



manual recoil



electric starting

POWER RATINGS	without AVR	con AVR		without AVR	with AVR
Stand-By single-phase power (LTP)*	6.7 kVA (6 kW) 230V / 29.1A	7.2 kVA (6.5 kW) 230V / 31.3A	PRP single-phase power*	5.5 kVA (5 kW) 230V / 23.9A	6 kVA (5.4 kW) 230V / 26A
Frequency	50 Hz				

\* Output powers according to ISO 8528

### ENGINE 3000 RPM, 4 STROKE OHV, NATURAL ASPIRATED

Model	B&S - XR2100	Stand-By net power	8.15 kWm (11 hp)
PRP net power	7.3 kWm (10 hp)	Cylinders / Displacement	1 / 420 cm <sup>3</sup> (0.42 l)
Fuel Consumption (75% di PRP)	2.7 l/h		

### GENERAL SPECIFICATIONS

Fuel tank capacity	20 l	Running time (75% to PRP)	10.5 h
IP protection degree	23	Acoustic power LwA (pressure LpA)	99 dB(A) (74 dB(A) @ 7m)
Dry weight machine	94 Kg (AA)	Dimensions (LxHxP)	770x650x520 mm

Available also in the version

The Engine with Built-in Intelligence  
**iGX**



## FEATURES

- Manual recoil
- Engine shut down for low oil level
- Sockets: 1x230V 32A 2P+T CEE, 1x230V 16A 2P+T CEE, 1x230V 16A 2P+T Schuko
- Circuit breaker
- Fuel level gauge
- Protective frame and partially covered
- Silenced
- Portable
- Meets EC directives for noise and safety
- AVR version **on request** (standard for the version iGX)
- Electric Starter (AE) for the version iGX
- Set up to be used with an EAS automatic board (ES)
- Moving trolley **on request**

## GE S-7000 HBM



air cooling



petrol



single-phase



manual recoil



electric starting

POWER RATINGS	without AVR	con AVR		without AVR	with AVR
Stand-By single-phase power (LTP)*	6.7 kVA (6 kW) 230V / 29.1A	7.2 kVA (6.5 kW) 230V / 31.3A	PRP single-phase power*	5.5 kVA (5 kW) 230V / 23.9A	6 kVA (5.4 kW) 230V / 26A
Frequency	50 Hz				

\* Output powers according to ISO 8528

### ENGINE 3000 RPM, 4 STROKE OHV, NATURAL ASPIRATED

Model	- HONDA GX 390 - HONDA iGX 390	Stand-By net power	8.2 kWm (11.1 hp)
PRP net power	6.4 kWm (8.7 hp)	Cylinders / Displacement	1 / 389 cm <sup>3</sup> (0.39 l)
Fuel Consumption (75% di PRP)	2.4 l/h		

### GENERAL SPECIFICATIONS

Fuel tank capacity	20 l	Running time (75% to PRP)	8.5 h
IP protection degree	23	Guaranteed acoustic power LwA (pressure LpA)*	96 dB(A) (71 dB(A) @ 7m)
Dry weight machine	94 Kg (AA)	Dimensions (LxHxP)	770x650x520 mm

\* Acoustic power according to European Directive 2000/14/CE





## GE S-8000 BBT

VERSIONS UPON REQUEST: with trolley as shown in the picture.



air cooling



petrol



three-phase



manual recoil



electric starting

### POWER RATINGS

Stand-By three-phase power (LTP)*	8 kVA ( 6.4 kW) 400V /11.5A	PRP three-phase power*	7 kVA (5.6 kW) 400 V / 10.1A
Frequency	50 Hz	PRP single-phase power*	4 kVA (3.6 kW) 230 V / 17.4A

\* Output powers according to ISO 8528

### ENGINE 3000 RPM, 4 STROKE OHV, NATURAL ASPIRATED

Model	B&S - XR2100	Stand-By net power	6.5 kWm (8.8 hp)
PRP net power	7.3 kWm (10 hp)	Cylinders / Displacement	1 / 420 cm <sup>3</sup> (0.42 l)
Fuel Consumption (75% di PRP)	2.7 l/h		

### GENERAL SPECIFICATIONS

Fuel tank capacity	20 l	Running time (75% to PRP)	10.5 h
IP protection degree	23	Acoustic power LwA (pressure LpA)	99 dB(A) (74 dB(A) @ 7m)
Dry weight machine	98 Kg (AA)	Dimensions (LxHxP)	770x650x520 mm

### FEATURES

- Manual recoil (AA)
- Engine shut down for low oil level
- Sockets: 1x400V 16A 3P+N+T CEE, 1x230V 16A 2P+T CEE, 1x230V 16A 2P+T Schuko
- Circuit breaker
- Fuel level gauge
- Protective frame and partially covered
- Silenced
- Portable
- Meets EC directives for safety
- AVR version **on request**
- Electric Start (AE) **on request**

Available also in the version

The Engine with Built-in Intelligence  
**iGX**



## GE S-8000 HBT



air cooling



petrol



three-phase



manual recoil



electric starting

### POWER RATINGS

Stand-By three-phase power (LTP)*	8 kVA ( 6.4 kW) 400V /11.5A	PRP three-phase power*	7 kVA (5.6 kW) 400 V / 10.1A
Frequency	50 Hz	PRP single-phase power*	4 kVA (3.6 kW) 230 V / 17.4A

\* Output powers according to ISO 8528

### ENGINE 3000 RPM, 4 STROKE OHV, NATURAL ASPIRATED

Model	- HONDA GX 390 - HONDA iGX 390	Stand-By net power	8.2 kWm (11.1 hp)
PRP net power	6.4 kWm (8.7 hp)	Cylinders / Displacement	1 / 389 cm <sup>3</sup> (0.39 l)
Fuel Consumption (75% di PRP)	2.4 l/h		

### GENERAL SPECIFICATIONS

Fuel tank capacity	20 l	Running time (75% to PRP)	8.5 h
IP protection degree	23	Guaranteed acoustic power LwA (pressure LpA)*	96 dB(A) (71 dB(A) @ 7m)
Dry weight machine	98 Kg (AA)	Dimensions (LxHxP)	770x650x520 mm

\* Acoustic power according to European Directive 2000/14/CE

### FEATURES

- Manual recoil
- Engine shut down for low oil level
- Sockets: 1x400V 16A 3P+N+T CEE, 1x230V 16A 2P+T CEE, 1x230V 16A 2P+T Schuko
- Circuit breaker
- Fuel level gauge
- Protective frame and partially covered
- Silenced
- Portable
- Meets EC directives for noise and safety
- AVR version **on request** (standard for the version iGX)
- Electric Starter (AE) for the version iGX
- Set up to be used with an EAS automatic board (ES)
- Moving trolley **on request**



# RANGE SX

Super-silenced generating set

## CONFORM

to the EC directives on noise and safety.

## CONTROL BOARD

with automatic digital control unit (AMF) upon request.

## DIGITAL MULTI-FUNCTION METER

press to select - Voltmeter - Frequency - Total Hours on a digital display.

## CIRCUIT BREAKER

and differential switch.

## ENGINE STOP

in case of low oil pressure and high water temperature.

Central lifting  
**HOOK.**





Available in single and three phase versions, all with electric starting, with power up to 18 kVA, compact and extremely silent, are ideal also for the use on sites and for emergency response.

M A D E I N I T A L Y

#### TANK

they are equipped with 38-l tank as standard for a high autonomy.

#### LARGE ACCESS DOORS

for an easy maintenance (fuel, oil, air filter replacement).

#### SEALED BASE

to contain possible leaks of liquids in the engine and to prevent any environmental pollution.

#### MODERN CANOPY

curved profile design provides protection from the elements and overall protection for the generating set.





## GE SX-10000 KTDM



water cooling



diesel



single-phase



electric starting

### POWER RATINGS

Stand-By single-phase power (LTP)*	10.5 kVA (9.5 kW) 230V / 45.6A	PRP single-phase power*	9 kVA (8.1 kW) 230V / 39.1A
Frequency	50 Hz		

\* Output powers according to ISO 8528

### ENGINE 3000 RPM, 4 STROKE OHV, NATURAL ASPIRATED

Model	KUBOTA D722	Stand-By net power	11.9 kW (16 hp)
PRP net power	10.3 kW (14 hp)	Cylinders / Displacement	3 / 719 cm <sup>3</sup>
Fuel Consumption (75 % di PRP)	2.6 l/h		

### GENERAL SPECIFICATIONS

Fuel tank capacity	38 l	Running time (75% to PRP)	14.5 h
IP protection degree	23	Guaranteed acoustic power LwA (pressure LpA)*	93 dB(A) (68 dB(A) @ 7m)
Dry weight machine	305 Kg	Dimensions (LxHxP)	1360x942x683

\* Acoustic power according to European Directive 2000/14/CE



## GE SX-12000 KTDT



water cooling



diesel



three-phase



electric starting

### POWER RATINGS

Stand-By three-phase power (LTP)*	12 kVA (9.6 kW) / 400V / 17.3A	PRP three-phase power*	10.5 kVA (8.7 kW) 400V / 15.1A
Frequency	50 Hz	PRP single-phase power*	6 kVA (8.7 kW) 400V / 15.1A

\* Output powers according to ISO 8528

### ENGINE 3000 RPM, 4 STROKE OHV, NATURAL ASPIRATED

Model	KUBOTA D722	Stand-By net power	11.9 kW (16 hp)
Bore / Stroke	10.3 kW (14 hp)	Cylinders / Displacement	3 / 719 cm <sup>3</sup>
Fuel Consumption (75 % di PRP)	2.6 l/h		

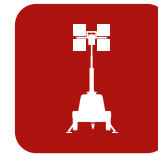
### GENERAL SPECIFICATIONS

Fuel tank capacity	38 l	Running time (75% to PRP)	14.5 h
IP protection degree	23	Guaranteed acoustic power LwA (pressure LpA)*	93 dB(A) (68 dB(A) @ 7m)
Dry weight machine	305 Kg	Dimensions (LxHxP)	1360x942x683

\* Acoustic power according to European Directive 2000/14/CE

## PRACTICAL EXAMPLE AND REQUIRED POWER

LOAD	NOMINAL POWER	STARTING COEFFICIENT	NEEDED POWER
<b>HOME - OFFICE</b>			
Heater	2000	1,2	2400
Air conditioning	2000	3	6000
Fridge / Freezer	500	3	1500
Microwave oven	600	2,5	1500
Electric hob	2000	1	2000
Dough mixer	1000	3,5	3500
Cutter / Mixer / robot	1000	2,5	2500
Vacuum cleaner	1000	2	2000
Computer	250	2	500
Plasma TV	300	3	900
Boiler	300	2	600
Printers	150	1	150
Photocopier	1600	1,1	1760
UPS	500	1,5	750
<b>GARDENING</b>			
Lawn mower	1100	2,2	2420
Brush cutter	350	3	1050
Hedge trimmer	700	2,5	1750
Leaf blower/ leaf vacuum	2000	1,25	2500
Chainsaw	2000	2	4000
Pressure washer	2500	3,5	8750
<b>PROFESSIONAL</b>			
Compressor	2000	3	6000
Band saw	400	2,5	1000
Concrete mixer	800	3,5	2800
Belt vibrating sander	1000	2,5	2500
Plastering machine	2200	3,5	7700
Pneumatic drill	1200	1,2	1440
Grinder	1400	3	4200
Circular saw	1800	2,5	4500
Demolition hammer	1200	3,5	4200
Submersible pump	500	3,5	1750
Inverter	1500	2,5	3750
Mixer	1400	3,5	4900
Transformer welding machine	2000	2,5	5000
Inverter welding machine	4000	2	8000
<b>LIGHTING</b>			
Halogen lamps	500	1	500
Neon	60	2	120
Incandescence light bulbs	100	1	100
Metal halide lamps	500	2	1000
Led lamp	500	1	500



LIGHTING



TV - COMPUTER



BUILDING SITES



RENTAL

**MOSA: THE GLOBAL REFERENCE FOR THE PRODUCTION OF ELECTRICITY, WELDING AND LIGHTING TOWERS. SINCE 1963.**

For over 50 years, MOSA has been supplying the market with reliable high performance products. Expertise and innovation rank MOSA as a global benchmark in the production of machines that meet the needs of the electricity production and welding sectors: generating sets, engine driven welders and lighting towers. This exclusive know-how has led to the creation of solutions designed and built according to strict quality criteria that have earmarked the success of MOSA amidst the most demanding end users.



## THE SERVICES



### SPARE PARTS

Tested and guaranteed original spare parts.



### ASSISTANCE

Efficient and valid assistance service with the support of friendly and competent technical staff.



### WARRANTY

Specific security for customer satisfaction:  
a 2-year warranty included in the price.



### LUBRICANT

Use of original lubricant is recommended.

# MOSA

M A D E I N I T A L Y



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