

# MOSA

*Switch the power on*

# 1500

r p m



BROCHURE  
**GENERATING SETS 1500 rpm**

EN  




# THE RAN THE



# GE E RANGE



## 1 LIGHT POWER from 8kVA to 20kVA

GE 8 YSXC.....	Pag. 8
GE 10 YSXC.....	Pag. 8
GE 10 YSX.....	Pag. 8
GE 15 YSXC.....	Pag. 9
GE 15 YSX.....	Pag. 9
GE 15 PSX.....	Pag. 9
GE 20 YSXC.....	Pag. 10
GE 20 YSX.....	Pag. 10
GE 20 PSX.....	Pag. 10

## 2 MID POWER from 30kVA to 65kVA

GE 35 YSC.....	Pag. 12
GE 45 YSC.....	Pag. 12
GE 35 YSX.....	Pag. 12
GE 45 YSX.....	Pag. 13
GE 35 PSX.....	Pag. 13
GE 35 PS SX.....	Pag. 13
GE 50 PS SX.....	Pag. 14
GE 55 PS.....	Pag. 14
GE 65 PS SX.....	Pag. 14

## 3 HIGH POWER from 90kVA to 455kVA

GE 90 PSX.....	Pag. 16
GE 90 FSX.....	Pag. 16
GE 110 FSX.....	Pag. 16
GE 120 PSX.....	Pag. 17
GE 140 FSX.....	Pag. 17
GE 165 PSX.....	Pag. 17
GE 165 FSX.....	Pag. 18
GE 185 FSX.....	Pag. 18
GE 225 FSX.....	Pag. 18
GE 225 PS.....	Pag. 19
GE 275 FSX.....	Pag. 19
GE 335 FSX.....	Pag. 19
GE 385 FSX.....	Pag. 20
GE 455 FSX.....	Pag. 20

---

# PROUDLY “MADE IN ITALY”

---

For more than 50 years, MOSA has been focusing on the performance and reliability of its products. Experience and commitment to innovation has positioned MOSA as a world reference in the design and construction of machines that fulfil the requirements of power generation and welding: comprising generators, engine driven welders and lighting towers.

  
MADE IN ITALY



The ISO 9001 certified process utilised by MOSA uses the most advanced technology and personnel with specialised expertise in all phases of the process that, starting from design, extend to the selection of raw materials and supplies, to the production of the various components and their assembly, as well as the strict tests and functional testing of the finished product; all of which represent the traditional characteristics of “Made in Italy”.

# LIGHT POWER RANGE



## **EAS (AUTOMATIC TRANSFER UNIT)**

EAS is a panel that controls the automatic startup of a generator in emergency operation. It performs the AMF function (automatic mains failure) and ATS function (automatic transfer switch). The electronic control unit (AMF) automatically detects the absence and return of the mains power supply, managing both the startup and shutdown of the generator, and the switching of the contactor (ATS).

## **APPLICATION AREAS**

Suitable for stan-by use in urban areas.

## **TANK**

They are equipped with a standard and large tank for high autonomy.

## GE 8 YSXC



### ENGINE - 4-STROKE, INDIRECT INJECTION, NATURAL ASPIRATED

<b>Model</b>	YANMAR 3TNV80F
<b>Fuel consumption (75% of PRP)</b>	1.8 lt./h
<b>Tank capacity</b>	30 l
<b>Alternator</b>	synchronous single phase, self-excited, self-regulated
<b>Stand-by single-phase power</b>	8 kVA (7.2 kW) / 230 V / 34.8 A
<b>PRP single-phase power</b>	7.5 kVA (6.7 Kw) / 230 V / 32.6 A
<b>Dimensions LxIhx (mm)</b>	1460x700x920 mm
<b>Dry weight</b>	400 kg
<b>Acoustic pressure</b>	62 dB(A) @ 7m



Water cooling



diesel



single-phase



electric

- Combined control: Automatic Voltage Regulation "AVR" and voltage Compound System
- The rounded edges of the canopy designed for rainwater drainage away
- Engine cowling side, can be completely opened, which facilitates all maintenance operations
- The recessed control panel is lockable and houses the sockets and machine
- Central lifting eye
- Ready for connection to automatic transfer unit EAS (AMF + ATS)

## GE 10 YSXC



### ENGINE - 4-STROKE, INDIRECT INJECTION, NATURAL ASPIRATED

<b>Model</b>	YANMAR 3TNV80F
<b>Fuel consumption (75% of PRP)</b>	1.8 lt./h
<b>Tank capacity</b>	30 l
<b>Alternator</b>	synchronous three-phase, self-excited, self-regulated, brushless
<b>Stand-by Three-phase power</b>	9.5 kVA (7.6 kW) / 400V / 13.7 A
<b>PRP Three-phase power</b>	9 kVA (7.2 kW) / 400V / 13 A
<b>PRP single-phase power</b>	4.5 kVA / 230V / 19.5A
<b>Dimensions LxIhx (mm)</b>	1460x700x920 mm
<b>Dry weight</b>	410 kg
<b>Acoustic pressure</b>	62 dB(A) @ 7m



Water cooling



diesel



single-phase



three-phase



electric

- Combined control: Automatic Voltage Regulation "AVR" and voltage Compound System
- The rounded edges of the canopy designed for rainwater drainage away
- Engine cowling side, can be completely opened, which facilitates all maintenance operations
- The recessed control panel is lockable and houses the sockets and machine
- Central lifting eye
- Ready for connection to automatic transfer unit EAS (AMF + ATS)

## GE 10 YSX



### ENGINE - 4-STROKE, INDIRECT INJECTION, NATURAL ASPIRATED

<b>Model</b>	YANMAR 3TNV80F
<b>Fuel consumption (75% of PRP)</b>	1.8 lt./h
<b>Tank capacity</b>	55 l
<b>Alternator</b>	synchronous three-phase, self-excited, self-regulated, brushless
<b>Stand-by Three-phase power</b>	9.5 kVA (7.6 kW) / 400V / 13.7 A
<b>PRP Three-phase power</b>	9 kVA (7.2 kW) / 400V / 13 A
<b>PRP single-phase power</b>	4.5 kVA / 230V / 19.5A
<b>Dimensions LxIhx (mm)</b>	1680x770x1190 mm
<b>Dry weight</b>	535 kg
<b>Acoustic pressure</b>	58 dB(A) @ 7m



Water cooling



diesel



single-phase



three-phase



electric

- Combined control: Automatic Voltage Regulation "AVR" and voltage Compound System
- The rounded edges of the canopy designed for rainwater drainage away
- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- External caps for oil and water drain
- Large doors for better and easy maintenance (air, oil, fuel filters replacement)
- Central lifting eye
- Forklift pockets
- Ready for connection to automatic transfer unit EAS (AMF + ATS)

## GE 15 YSXC



### ENGINE - 4-STROKE, INDIRECT INJECTION, NATURAL ASPIRATED

Model	YANMAR 3TNV88F
Fuel consumption (75% of PRP)	2.6 lt/h
Tank capacity	60 l
Alternator	synchronous three-phase, self-excited, self-regulated, brushless
Stand-by Three-phase power	15 kVA (12 kW) / 400V / 21.6 A
PRP Three-phase power	14 kVA (11.2 kW) / 400V / 20.2 A
PRP single-phase power	6.5 kVA / 230V / 28.3A
Dimensions Lxhxh (mm)	1720x1000x1130 mm
Dry weight	565 kg
Acoustic pressure	67 dB(A) @ 7m



Water cooling



diesel



single-phase



three-phase



electric

- Combined control: Automatic Voltage Regulation "AVR" and voltage Compound System
- External fuel supply with anti-shock protection
- Engine cowling side, can be completely opened, which facilitates all maintenance operations
- The recessed control panel is lockable and houses the sockets and machine
- Central lifting eye
- Ready for connection to automatic transfer unit EAS (AMF + ATS)

## GE 15 YSX



### ENGINE - 4-STROKE, INDIRECT INJECTION, NATURAL ASPIRATED

Model	YANMAR 3TNV88F
Fuel consumption (75% of PRP)	2.6 lt/h
Tank capacity	55 l
Alternator	synchronous three-phase, self-excited, self-regulated, brushless
Stand-by Three-phase power	15 kVA (12 kW) / 400V / 21.6 A
PRP Three-phase power	14 kVA (11.2 kW) / 400V / 20.2 A
PRP single-phase power	6.5 kVA / 230V / 28.3A
Dimensions Lxhxh (mm)	1680x770x1190 mm
Dry weight	630 kg
Acoustic pressure	61 dB(A) @ 7m



Water cooling



diesel



single-phase



three-phase



electric

- Combined control: Automatic Voltage Regulation "AVR" and voltage Compound System
- The rounded edges of the canopy designed for rainwater drainage away
- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- External caps for oil and water drain
- Large doors for better and easy maintenance (air, oil, fuel filters replacement)
- Central lifting eye
- Forklift pockets
- Ready for connection to automatic transfer unit EAS (AMF + ATS)

## GE 15 PSX



### ENGINE - 4-STROKE, INDIRECT INJECTION, NATURAL ASPIRATED

Model	PERKINS 403A-15G1
Fuel consumption (75% of PRP)	2.8 lt/h
Tank capacity	60 l
Alternator	synchronous three-phase, self-excited, self-regulated, brushless
Stand-by Three-phase power	15 kVA (12 kW) / 400V / 21.6 A
PRP Three-phase power	14 kVA (11.2 kW) / 400V / 20.2 A
PRP single-phase power	6.5 kVA / 230V / 28.3A
Dimensions Lxhxh (mm)	1720x980x1130 mm
Dry weight	580 kg
Acoustic pressure	65 dB(A) @ 7m



Water cooling



diesel



single-phase



three-phase



electric

- Engine protection EP6
- Combined control: Automatic Voltage Regulation "AVR" and voltage Compound System
- Engine cowling side, can be completely opened, which facilitates all maintenance operations
- The recessed control panel is lockable and houses the sockets and machine
- Central lifting eye
- Emergency stop button
- Ready for connection to automatic transfer unit EAS (AMF + ATS)

## GE 20 YSXC

**3** PHASE SENSING



### ENGINE - 4-STROKE, INDIRECT INJECTION, NATURAL ASPIRATED

Model	YANMAR 4TNV88
Fuel consumption (75% of PRP)	3.4 lt./h
Tank capacity	60 l
Alternator	synchronous three-phase, self-excited, self-regulated, brushless
Stand-by Three-phase power	20 kVA (16 kW) / 400V / 28.9 A
PRP Three-phase power	18 kVA (14.4 kW) / 400V / 26 A
PRP single-phase power	7 kVA / 230V / 30.4A
Dimensions LxHxh (mm)	1720x1000x1130 mm
Dry weight	610 kg
Acoustic pressure	68 dB(A) @ 7m



Water cooling



diesel



single-phase



three-phase



electric

- Automatic voltage regulation AVR with three-phase sensing
- External fuel supply with anti-shock protection
- Engine cowling side, can be completely opened, which facilitates all maintenance operations
- The recessed control panel is lockable and houses the sockets and machine
- Central lifting eye
- Ready for connection to automatic transfer unit EAS (AMF + ATS)

## GE 20 YSX

**3** PHASE SENSING



### ENGINE - 4-STROKE, INDIRECT INJECTION, NATURAL ASPIRATED

Model	YANMAR 4TNV88	
Fuel consumption (75% of PRP)	3.4 lt./h	
Tank capacity	100 l	
Alternator	synchronous three-phase, self-excited, self-regulated, brushless	
Stand-by Three-phase power	/	20 kVA (16 kW) 400V / 28.9 A
PRP Three-phase power	/	18 kVA (14.4 kW) 400V / 26 A
PRP single-phase power	18 kVA (14.4 kW) / 230 V 115V / 8.3 A-156.6 A	7 kVA / 230V / 30.4A
single-phase power	20 kVA (16 kW) / 230 V 115V / 8.7 A-174 A	/
Dimensions LxHxh (mm)	1835x900x1265 mm	
Dry weight	790 kg	750 kg
Acoustic pressure	63 dB(A) @ 7m	



Water cooling



diesel



single-phase



three-phase



electric

- Automatic voltage regulation AVR with three-phase sensing
- The rounded edges of the canopy designed for rainwater drainage away
- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- External caps for oil and water drain
- Large doors for better and easy maintenance (air, oil, fuel filters replacement)
- Central lifting eye
- Forklift pockets
- Ready for connection to automatic transfer unit EAS

## GE 20 PSX

**3** PHASE SENSING



### ENGINE - 4-STROKE, INDIRECT INJECTION, NATURAL ASPIRATED

Model	PERKINS 404A-22G1
Fuel consumption (75% of PRP)	4 lt./h
Tank capacity	60 l
Alternator	synchronous three-phase, self-excited, self-regulated, brushless
Stand-by Three-phase power	22 kVA (17.6 kW) / 400V / 31.8 A
PRP Three-phase power	20 kVA (16 kW) / 400V / 28.9 A
PRP single-phase power	7 kVA / 230V / 30.4A
Dimensions LxHxh (mm)	1720x980x1130 mm
Dry weight	650 kg
Acoustic pressure	65 dB(A) @ 7m



Water cooling



diesel



single-phase



three-phase



electric

- Engine protection EP6
- Combined control: Automatic Voltage Regulation "AVR" and voltage Compound System
- Engine cowling side, can be completely opened, which facilitates all maintenance operations
- The recessed control panel is lockable and houses the sockets and machine
- Central lifting eye
- Emergency stop button
- Ready for connection to automatic transfer unit EAS (AMF + ATS)

# MID POWER RANGE



## MODERN AND FUNCTIONAL DESIGN

This attention to detail can also be seen in the rounded edges of the canopy designed for rainwater drainage away from the control panel.

## LARGE FUEL TANK, LONG RUN CAPABILITY

The bunded base must guarantee containment of engine and fuel tank liquids in case of any leaks, to avoid environmental pollution.

## GE 35 YSC



- Motore conforme allo Stage 3A
- Automatic voltage regulation AVR
- The rounded edges of the canopy designed for rainwater drainage away
- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- External caps for oil and water drain
- Engine cowling side, can be completely opened, which facilitates all maintenance operations
- Central lifting eye
- Control panel with digital control unit
- The forklifts handling is possible from all sides

### ENGINE - 4-STROKE, INDIRECT INJECTION, NATURAL ASPIRATED

Model	YANMAR 4TNV98
Fuel consumption (75% of PRP)	6.1 lt/h
Tank capacity	55 l
Alternator	synchronous three-phase, self-excited, self-regulated, brushless
Stand-by Three-phase power (LTP)	33 kVA (26.4 kW) / 400V / 47.6 A
PRP Three-phase power	30 kVA (24 kW) / 400V / 43.3 A
PRP single-phase power	11 kVA / 230V / 47.6 A
Dimensions LxHxh (mm)	1800x900x1333 mm
Dry weight	825 kg
Acoustic pressure	69 dB(A) @ 7m



Water cooling



diesel



single-phase



three-phase



electric

## GE 35 YSX



- Automatic voltage regulation AVR with three-phase sensing
- The rounded edges of the canopy designed for rainwater drainage away
- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- External caps for oil and water drain
- Large doors for better and easy maintenance (air, oil, fuel filters replacement)
- Central lifting eye
- Forklift pockets
- Control panel with digital control unit available with automatic or manual version

### ENGINE - 4-STROKE, INDIRECT INJECTION, NATURAL ASPIRATED

Model	YANMAR 4TNV98	
Fuel consumption (75% of PRP)	6.1 lt/h	
Tank capacity	100 l	
Alternator	synchronous three-phase, self-excited, self-regulated, brushless	
Stand-by Three-phase power	/	38 kVA (30.4 kW) 400V / 54.8 A
PRP Three-phase power	/	35 kVA (28 kW) 400V / 50.5 A
Stand-by single-phase power	31 kVA (31 kW) / 230 V 115 V 134.8 A - 269.6 A	/
PRP single-phase power	28 kVA (28 kW) / 230- 115 V 121.7 A - 243.4 A	12.5 kVA / 230V / 54.3A
Dimensions LxHxh (mm)	2050x900x1420 mm	
Dry weight	990 kg	960 kg
Acoustic pressure	66 dB(A) @ 7m	



Water cooling



diesel



three-phase



electric

## GE 35 PSX



- Engine protection EP6
- Automatic voltage regulation AVR with three-phase sensing
- Engine cowling side, can be completely opened, which facilitates all maintenance operations
- The recessed control panel is lockable and houses the sockets and machine
- Central lifting eye
- Emergency stop button
- Ready for connection to automatic transfer unit EAS (AMF + ATS)

### ENGINE - 4-STROKE, INDIRECT INJECTION, NATURAL ASPIRATED

Model	PERKINS 1103A - 33G
Fuel consumption (75% of PRP)	5.4 lt/h
Tank capacity	65 l
Alternator	synchronous three-phase, self-excited, self-regulated, brushless
Stand-by Three-phase power	33 kVA (26.4 kW) / 400V / 47.6 A
PRP Three-phase power	30 kVA (24 kW) / 400V / 43.3 A
PRP single-phase power	11 kVA / 230V / 47.6 A
Dimensions LxHxh (mm)	2030x870x1130 mm
Dry weight	920 kg
Acoustic pressure	65 dB(A) @ 7 m



Water cooling



diesel



single-phase



three-phase



electric

## GE 35 PSSX

**3** PHASE SENSING



- Automatic voltage regulation AVR with three-phase sensing
- The rounded edges of the canopy designed for rainwater drainage away
- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- External caps for oil and water drain
- Large doors for better and easy maintenance (air, oil, fuel filters replacement)
- Central lifting eye
- Forklift pockets
- Control panel with digital control unit available with automatic or manual version

### ENGINE - 4-STROKE, TURBO-AFTERCOOLER

<b>Model</b>	PERKINS 1103A - 33G
<b>Fuel consumption (75% of PRP)</b>	5.4 lt/h
<b>Tank capacity</b>	100 l
<b>Alternator</b>	synchronous three-phase, self-excited, self-regulated, brushless
<b>Stand-by Three-phase power</b>	33 kVA (26.4 kW) / 400V / 47.6A
<b>PRP Three-phase power</b>	30 kVA (24 kW) / 400V / 43.3A
<b>PRP single-phase power</b>	11 kVA / 230V / 47.6A
<b>Dimensions LxHxh (mm)</b>	2050x900x1420 mm
<b>Dry weight</b>	960 kg
<b>Acoustic pressure</b>	63 dB(A) @ 7m



Water cooling



diesel



single-phase



three-phase



electric

## GE 45 YSC

**3** PHASE SENSING



- Automatic voltage regulation AVR with three-phase sensing
- The rounded edges of the canopy designed for rainwater drainage away
- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- External caps for oil and water drain
- Engine cowling side, can be completely opened, which facilitates all maintenance operations
- Central lifting eye
- Control panel with digital control unit
- The forklifts handling is possible from all sides

### ENGINE - 4-STROKE, DIRECT INJECTION, TURBO-AFTERCOOLER

<b>Model</b>	YANMAR 4TNV98T
<b>Fuel consumption (75% of PRP)</b>	7.4 lt/h
<b>Tank capacity</b>	55 L
<b>Alternator</b>	synchronous three-phase, self-excited, self-regulated, brushless
<b>Stand-by Three-phase power (LTP)</b>	44 kVA (35.2 kW) / 400 V / 63.5 A
<b>PRP Three-phase power</b>	40 kVA (32 kW) / 400 V / 57.7 A
<b>PRP single-phase power</b>	15.5 kVA / 230 V / 67.4 A
<b>Dimensions LxHxh (mm)</b>	1800x900x1333 mm
<b>Dry weight</b>	880 kg
<b>Acoustic pressure</b>	70 dB(A) @ 7m



Water cooling



diesel



single-phase



three-phase



electric

## GE 45 YSX

**3** PHASE SENSING



- Automatic voltage regulation AVR with three-phase sensing
- The rounded edges of the canopy designed for rainwater drainage away
- A capacious bunded base can contain liquids present in the engine and in the fuel tank in case of any leaks to avoid environmental pollution
- External caps for oil and water drain
- Large doors for better and easy maintenance (air, oil, fuel filters replacement)
- Central lifting eye
- Forklift pockets
- Control panel with digital control unit available with automatic or manual version

### ENGINE - 4-STROKE, DIRECT INJECTION, TURBO-AFTERCOOLER

<b>Model</b>	YANMAR 4TNV98T	YANMAR 4TNV98TZ (Stage 3A)
<b>Fuel consumption (75% of PRP)</b>	7.4 lt/h	
<b>Tank capacity</b>	100 l	
<b>Alternator</b>	synchronous three-phase, self-excited, self-regulated, brushless	
<b>Stand-by Three-phase power</b>	46 kVA (36.8 kW) / 400V / 66.4 A	
<b>PRP Three-phase power</b>	42 kVA (33.6 kW) / 400V / 60.6 A	
<b>PRP single-phase power</b>	15.5 kVA / 230V / 67.4 A	
<b>Dimensions LxHxh (mm)</b>	2050x900x1420 mm	
<b>Dry weight</b>	1020 kg	
<b>Acoustic pressure</b>	65 dB(A) @ 7m	



Water cooling



diesel



single-phase



three-phase



electric

## GE 50 PSSX

**3** PHASE SENSING



- Automatic voltage regulation AVR with three-phase sensing
- The rounded edges of the canopy designed for rainwater drainage away
- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- External caps for oil and water drain
- Large doors for better and easy maintenance (air, oil, fuel filters replacement)
- Central lifting eye
- Forklift pockets
- Control panel with digital control unit available with automatic or manual version

### ENGINE - 4-STROKE, TURBO-AFTERCOOLER

Model	PERKINS 1103A-33TG1
Fuel consumption (75% of PRP)	8.2 lt/h
Tank capacity	100 l
Alternator	synchronous three-phase, self-excited, self-regulated, brushless
Stand-by Three-phase power	51 kVA (40.8 kW) / 400V / 73.6 A
PRP Three-phase power	46 kVA (36.8 kW) / 400V / 66.4 A
PRP single-phase power	17 kVA / 230V / 73.9 A
Dimensions Lxhx (mm)	2050x900x1420 mm
Dry weight	1100 kg
Acoustic pressure	65 dB(A) @ 7m



Water cooling



diesel



single-phase



three-phase



electric

## GE 55 PS

**3** PHASE SENSING



- Automatic voltage regulation AVR
- Engine cowling side, can be completely opened, which facilitates all maintenance operations
- The recessed control panel is lockable and houses the sockets and machine
- Central lifting eye
- Ready for connection to automatic transfer unit EAS (AMF + ATS)

### ENGINE - 4-STROKE, DIRECT INJECTION, TURBO-AFTERCOOLER

Model	PERKINS 1103A - 33TG1
Fuel consumption (75% of PRP)	8.2 lt/h
Tank capacity	65 l
Alternator	synchronous three-phase, self-excited, self-regulated, brushless
Stand-by Three-phase power	51 kVA (40.8 kW) / 400V / 73.6 A
PRP Three-phase power	46 kVA (36.8 kW) / 400V / 66.4 A
PRP single-phase power	17 kVA / 230V / 73.9 A
Dimensions Lxhx (mm)	2030x870x1130 mm
Dry weight	940 kg
Acoustic pressure	69 dB(A) @ 7 m



Water cooling



diesel



single-phase



three-phase



electric

## GE 65 PSSX

**3** PHASE SENSING



- Automatic voltage regulation AVR with three-phase sensing
- The rounded edges of the canopy designed for rainwater drainage away
- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- External caps for oil and water drain
- Large doors for better and easy maintenance (air, oil, fuel filters replacement)
- Central lifting eye
- Forklift pockets
- Control panel with digital control unit available with automatic or manual version

### ENGINE - 4-STROKE, TURBO-AFTERCOOLER

Model	PERKINS - 1103A-33TG2	PERKINS - 1104D-44TG3 (Stage 3A)
Fuel consumption (75% of PRP)	10.4 lt/h	12.4 lt/h
Tank capacity	100 l	
Alternator	synchronous three-phase, self-excited, self-regulated, brushless	
Stand-by Three-phase power	66 kVA (52.8 kW) / 400V / 95.2A	
PRP Three-phase power	60 kVA (48 kW) / 400V / 86.6A	
PRP single-phase power	22 kVA / 230V / 95.6A	
Dimensions Lxhx (mm)	2050x900x1420 mm	
Dry weight	1200 kg	
Acoustic pressure	66 dB(A) @ 7m	



Water cooling



diesel



single-phase



three-phase



electric

# GAMMA HIGH POWER



#### SOCKET OUTPUTS

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

#### WIDE ACCESSIBILITY TO THE ENGINE

Large doors for better and easy maintenance (air, oil, fuel filters replacement)

## GE 90 PSX



### ENGINE - 4-STROKE, DIRECT INJECTION, TURBO-AFTERCOOLER

Model	PERKINS 1104A-44TG2
Fuel consumption (75% of PRP)	14 lt./h
Tank capacity	230 lt
Alternator	synchronous three-phase, self-excited, self-regulated, brushless
Stand-by Three-phase power	90 kVA (72 kW) / 400 V / 130 A
PRP Three-phase power	82 kVA (65.6 kW) / 400 V / 118.3 A
Dimensions Lxhx (mm)	2630x1130x1750 mm
Dry weight	1540 kg
Acoustic pressure	70 dB(A) @ 7m

- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- Oil drain pump
- Fuel pre-filter with water separator
- Large doors for better and easy maintenance (air, oil, fuel filters replacement)
- Central lifting eye
- Control panel with digital control unit available with automatic or manual version



Water cooling



diesel



three-phase



electric

## GE 90 FSX



### ENGINE - 4-STROKE, DIRECT INJECTION, TURBO-AFTERCOOLER

Model	FPT NEF45 SM3	FPT NEF45 TE1F (Stage 3A)
Fuel consumption (75% of PRP)	14.3 lt./h	14.7 lt./h
Tank capacity	230 l	
Alternator	synchronous three-phase, self-excited, self-regulated	
Stand-by Three-phase power (LTP)	90 kVA (72 kW) / 400V / 130A	
PRP Three-phase power	83 kVA (66.4 kW) / 400V / 119.8A	
Potenza three-phase COP	66 kVA (52.8 kW) / 400V / 95.3A	
Dimensions Lxhx (mm)	2630x1130x1750 mm	
Dry weight	1580kg	1630kg (Stage 3A)
Acoustic pressure	67 dB(A) @ 7m	

- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- Oil drain pump
- Fuel pre-filter with water separator
- Large doors for better and easy maintenance (air, oil, fuel filters replacement)
- Central lifting eye
- Control panel with digital control unit available with automatic or manual version



Water cooling



diesel



three-phase



electric

## GE 110 FSX



### ENGINE - 4-STROKE, DIRECT INJECTION, TURBO-AFTERCOOLER

Model	FPT NEF45 TM2	FPT NEF45 TE2F (Stage 3A)
Fuel consumption (75% of PRP)	16.2 lt./h	17.5 lt./h
Tank capacity	230 lt.	
Alternator	synchronous three-phase, self-excited, self-regulated	
Stand-by Three-phase power (LTP)	110 kVA (88 kW) / 400V / 159A	
PRP Three-phase power	100 kVA (80 kW) / 400V / 144A	
Potenza three-phase COP	81.5 kVA (65.2 kW) / 400V / 117.6A	
Dimensions Lxhx (mm)	2630x1130x1750 mm	
Dry weight	1670kg	
Acoustic pressure	67 dB(A) @ 7m	

- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- Oil drain pump
- Fuel pre-filter with water separator
- Large doors for better and easy maintenance (air, oil, fuel filters replacement)
- Central lifting eye
- Control panel with digital control unit available with automatic or manual version



Water cooling



diesel



three-phase



electric

## GE 120 PSX



### ENGINE - 4-STROKE, DIRECT INJECTION, TURBO-AFTERCOOLER

Model	PERKINS 1104C-44TAG2
Fuel consumption (75% of PRP)	17.1 lt./h
Tank capacity	230 lt
Alternator	synchronous three-phase, self-excited, self-regulated, brushless
Stand-by Three-phase power	114 kVA (91.2 kW) / 400 V / 164.5 A
PRP Three-phase power	104 kVA (83.2 kW) / 400 V / 150 A
Dimensions Lxhxh (mm)	2630x1130x1750 mm
Dry weight	1720 kg
Acoustic pressure	71 dB(A) @ 7m

- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- Oil drain pump
- Fuel pre-filter with water separator
- Large doors for better and easy maintenance (air, oil, fuel filters replacement)
- Central lifting eye
- Control panel with digital control unit available with automatic or manual version



Water cooling



diesel



three-phase



electric

## GE 140 FSX



### ENGINE - 4-STROKE, DIRECT INJECTION, TURBO-AFTERCOOLER

Model	FPT NEF45 TM3
Fuel consumption (75% of PRP)	20 lt./h
Tank capacity	230 lt.
Alternator	synchronous three-phase, self-excited, self-regulated
Stand-by Three-phase power (LTP)	140 kVA (112 kW) / 400V / 202A
PRP Three-phase power	125 kVA (100 kW) / 400V / 180.4A
Potenza three-phase COP	99 kVA (79.2 kW) / 400V / 176.3A
Dimensions Lxhxh (mm)	2630x1130x1750 mm
Dry weight	1700kg
Acoustic pressure	69 dB(A) @ 7m

- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- Oil drain pump
- Fuel pre-filter with water separator
- Large doors for better and easy maintenance (air, oil, fuel filters replacement)
- Central lifting eye
- Control panel with digital control unit available with automatic or manual version



Water cooling



diesel



three-phase



electric

## GE 165 PSX



### ENGINE - 4-STROKE, DIRECT INJECTION, TURBO-AFTERCOOLER

Model	PERKINS 1106A-70TAG2
Fuel consumption (75% of PRP)	24.7 lt./h
Tank capacity	230 l
Alternator	synchronous three-phase, self-excited, self-regulated, brushless
Stand-by Three-phase power	165 kVA (132 kW) / 400V / 238.1 A
PRP Three-phase power	150 kVA (120 kW) / 400V / 216.5 A
Dimensions Lxhxh (mm)	3040x1200x1830 mm
Dry weight	2260 Kg
Acoustic pressure	70 dB(A) @ 7m

- Automatic voltage regulation AVR
- Large doors for better and easy maintenance (air, oil, fuel filters replacement)
- Oil drain pump
- Control panel with digital control unit available with automatic or manual version
- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- Central lifting eye



Water cooling



diesel



three-phase



electric

## GE 165 FSX



### ENGINE - 4-STROKE, DIRECT INJECTION, TURBO-AFTERCOOLER

<b>Model</b>	FPT NEF67 TE1F (Stage 3A)
<b>Fuel consumption (75% of PRP)</b>	26.5 lt./h
<b>Tank capacity</b>	425 l
<b>Alternator</b>	synchronous three-phase, self-excited, self-regulated, brushless
<b>Stand-by Three-phase power</b>	168 kVA (134.4 kW) / 400V / 242.5 A
<b>PRP Three-phase power</b>	153 kVA (122.4 kW) / 400V / 221 A
<b>Potenza three-phase COP</b>	122 kVA (97.6 kW) / 400 V / 176.3 A
<b>Dimensions Lxhx (mm)</b>	3750x1400x2020 mm
<b>Dry weight</b>	2700 kg
<b>Acoustic pressure</b>	68 dB(A) @ 7 m



Water cooling



diesel



three-phase



electric

- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- Oil drain pump
- Fuel pre-filter with water separator
- Large doors for better and easy maintenance (air, oil, fuel filters replacement)
- 2 lifting eyes
- Control panel with digital control unit available with automatic or manual version

## GE 185 FSX



### ENGINE - 4-STROKE, DIRECT INJECTION, TURBO-AFTERCOOLER

<b>Model</b>	FPT NEF67 TM4
<b>Fuel consumption (75% of PRP)</b>	29.4 lt./h
<b>Tank capacity</b>	425 l
<b>Alternator</b>	synchronous three-phase, self-excited, self-regulated, brushless
<b>Stand-by Three-phase power</b>	192 kVA (153.6 kW) / 400V / 277 A
<b>PRP Three-phase power</b>	175 kVA (140 kW) / 400V / 252 A
<b>Potenza three-phase COP</b>	140 kVA (112 kW) / 400V / 202 A
<b>Dimensions Lxhx (mm)</b>	3750x1400x2020 mm
<b>Dry weight</b>	2800 kg
<b>Acoustic pressure</b>	70 dB(A) @ 7 m



Water cooling



diesel



three-phase



electric

- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- Oil drain pump
- Fuel pre-filter with water separator
- Large doors for better and easy maintenance (air, oil, fuel filters replacement)
- 2 lifting eyes
- Control panel with digital control unit available with automatic or manual version

## GE 225 PS



### ENGINE - 4-STROKE, DIRECT INJECTION, TURBO-AFTERCOOLER

<b>Model</b>	PERKINS 1106A-70TAG4
<b>Fuel consumption (75% of PRP)</b>	34.7 lt./h
<b>Tank capacity</b>	230 l
<b>Alternator</b>	synchronous three-phase, self-excited, self-regulated, brushless
<b>Stand-by Three-phase power</b>	220 kVA (176 kW) / 400V / 317.5 A
<b>PRP Three-phase power</b>	200 kVA (160 kW) / 400V / 288.7 A
<b>Dimensions Lxhx (mm)</b>	3040x1200x1830 mm
<b>Dry weight</b>	2300 Kg
<b>Acoustic pressure</b>	71 dB(A) @ 7 m



Water cooling



diesel



three-phase



electric

- Automatic voltage regulation AVR
- Large doors for better and easy maintenance (air, oil, fuel filters replacement)
- Oil drain pump
- Control panel with digital control unit available with automatic or manual version
- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- Central lifting eye

## GE 225 FSX



### ENGINE - 4-STROKE, DIRECT INJECTION, TURBO-AFTERCOOLER

Model	FPT NEF67 TM7	FPT NEF67 TE3F (Stage 3A)
Fuel consumption (75% of PRP)	37.3 lt./h	41.9 lt./h
Tank capacity	425 l	
Alternator	synchronous three-phase, self-excited, self-regulated, brushless	
Stand-by Three-phase power	225 kVA (180 kW) / 400V / 324.7 A	
PRP Three-phase power	205 kVA (164 kW) / 400V / 296.2 A	
Potenza three-phase COP	165 kVA (132 kW) / 400V / 238.4 A	
Dimensions LxHxh (mm)	3750x1400x2020 mm	
Dry weight	2850 kg	
Acoustic pressure	70 dB(A) @ 7 m	

- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- Oil drain pump
- Fuel pre-filter with water separator
- Large doors for better and easy maintenance (air, oil, fuel filters replacement)
- 2 lifting eyes
- Control panel with digital control unit available with automatic or manual version



Water cooling



diesel



three-phase



electric

## GE 275 FSX



### ENGINE - 4-STROKE, DIRECT INJECTION, TURBO-AFTERCOOLER

Model	FPT NEF67 TE8W	FPT C87 TE3F (Stage 3A)
Fuel consumption (75% of PRP)	44.5 lt./h	55 lt./h
Tank capacity	425 l	
Alternator	synchronous three-phase, self-excited, self-regulated, brushless	
Stand-by Three-phase power	275 kVA (220 kW) / 400 V / 397 A	
PRP Three-phase power	250 kVA (200 kW) / 400 V / 361 A	
Potenza three-phase COP	208 kVA (166.4 kW) / 400V / 300 A	
Dimensions LxHxh (mm)	3750x1400x2020 mm	
Dry weight	3500 kg	
Acoustic pressure	70 dB(A) @ 7 m	

- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- Oil drain pump
- Fuel pre-filter with water separator
- Large doors for better and easy maintenance (air, oil, fuel filters replacement)
- 2 lifting eyes
- Control panel with digital control unit available with automatic or manual version



Water cooling



diesel



three-phase



electric

## GE 335 FSX



### ENGINE - 4-STROKE, DIRECT INJECTION, TURBO-AFTERCOOLER

Model	FPT C87 TE4	FPT C10 TE1F (Stage 3A)
Fuel consumption (75% of PRP)	52.2 lt./h	52.4 lt./h
Tank capacity	580 l	
Alternator	synchronous three-phase, self-excited, self-regulated, brushless	
Stand-by Three-phase power	330 kVA (264 kW) / 400 V / 476.3 A	
PRP Three-phase power	300 kVA (240 kW) / 400 V / 433 A	
Potenza three-phase COP	250 kVA (200 kW) / 400V / 361.2 A	
Dimensions LxHxh (mm)	4100x1520x2180 mm	
Dry weight	3890 kg	
Acoustic pressure	72 dB(A) @ 7 m	

- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- Oil drain pump
- Fuel pre-filter with water separator
- Large doors for better and easy maintenance (air, oil, fuel filters replacement)
- 2 lifting eyes
- Control panel with digital control unit available with automatic or manual version



Water cooling



diesel



three-phase



electric

## GE 385 FSX



### ENGINE - 4-STROKE, DIRECT INJECTION, TURBO-AFTERCOOLER

<b>Model</b>	FPT C13 TE2A	FPT C13 TE1F (Stage 3A)
<b>Fuel consumption (75% of PRP)</b>	57.3 lt/h	73.8 lt/h
<b>Tank capacity</b>	580 l	
<b>Alternator</b>	synchronous three-phase, self-excited, self-regulated, brushless	
<b>Stand-by Three-phase power</b>	385kVA (308 kW) 400V / 555.7 A	382kVA (305.6 kW) 400V / 551.4 A
<b>PRP Three-phase power</b>	350kVA (280 kW) 400V / 505.2 A	346kVA (277 kW) 400V / 499.4 A
<b>Potenza three-phase COP</b>	271 kVA (217 kW) / 400V / 391.1 A	
<b>Dimensions Lxhx (mm)</b>	4100x1520x2180 mm	
<b>Dry weight</b>	4100 kg	
<b>Acoustic pressure</b>	72 dB(A) @ 7 m	

- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- Oil drain pump
- Fuel pre-filter with water separator
- Large doors for better and easy maintenance (air, oil, fuel filters replacement)
- 2 lifting eyes
- Control panel with digital control unit available with automatic or manual version



Water cooling



diesel



three-phase



electric

## GE 455 FSX



### ENGINE - 4-STROKE, DIRECT INJECTION, TURBO-AFTERCOOLER

<b>Model</b>	FPT C13 TE3A	FPT C13 TE2F (Stage 3A)
<b>Fuel consumption (75% of PRP)</b>	72.5 lt/h	81 lt/h
<b>Tank capacity</b>	580 l	
<b>Alternator</b>	synchronous three-phase, self-excited, self-regulated, brushless	
<b>Stand-by Three-phase power</b>	450 kVA (360 kW) 400V / 649.5 A	440 kVA (352 kW) 400V / 635.1 A
<b>PRP Three-phase power</b>	410 kVA (328 kW) 400V / 591.8 A	400 kVA (320 kW) 400V / 577.4 A
<b>Potenza three-phase COP</b>	315 kVA (252 kW) / 400V / 455.2 A	
<b>Dimensions Lxhx (mm)</b>	4100x1520x2180 mm	
<b>Dry weight</b>	4240 kg	
<b>Acoustic pressure</b>	72 dB(A) @ 7 m	

- Bunded base suitable to contain any liquids leakage from engine avoiding environmental pollution
- Oil drain pump
- Fuel pre-filter with water separator
- Large doors for better and easy maintenance (air, oil, fuel filters replacement)
- 2 lifting eyes
- Control panel with digital control unit available with automatic or manual version



Water cooling



diesel



three-phase



electric



## THE SERVICES



### SPARE PARTS

A complete range of original spare parts, guaranteed directly by the manufacturer.



### ASSISTANCE

A team of specialists, well prepared and available to assure an efficient and resolving service.



### WARRANTY

A precise certainty for the customer's satisfaction:  
2-year warranty included in the price.



### LUBRICANTS

We recommends to use the original PowerLube lubricants.

# MOSA

cunha  mendes cunha, lda  
Equipamentos Industriais

email:cmc@cmc.pt web:www.cmc.pt

