

## GENERATING SET

### GE 145 PS EAS - GE 145 PMS EAS

### GE 145 PSX EAS - GE 145 PMSX EAS

- PERKINS water cooled diesel engine - 1500 rpm
- Common-rail engine with electronic governor
- EP6 engine protection
- GE 145 PS/PSX – STAMFORD three-phase synchronous alternator
- GE 145 PMS/PMSX – MARELLI three-phase synchronous alternator
- Four pole circuit breaker
- Oil drain pump
- Bunded base
- Ready for connection to automatic transfer unit
- Meets EC directives for safety and noise level



Standard Equipment											
	Diesel engine	Water cooling	Battery 12V	Fuel level gauge	Engine protection	Electric Starter	low press. shut down	high water shut down	over speed shut down	low fuel shut down	battery charge alarm
Factory installation options											
	Synchronous alternator	Automatic Voltage Regulator	Circuit Breaker	Terminal block	Ammeter	Voltmeter phase selector	Emergency stop button	Siren	Ready for EAS/TCM	Central lifting eye	Cold start aid
Options on request	<ul style="list-style-type: none"> <li>● Electrical panel with sockets :1x400V 125A 3P+N+T CEE - 1x400V 63A 3P+N+T CEE - 1x400V 32A 3P+N+T CEE - 1x400V 16A 3P+N+T CEE - 2 x 230V 16A 2P+T CEE</li> <li>● The electrical panel requires an electrical protection : ELR-Earth Leakage Relay (GFI) or Isometer (Insulation monitors)</li> <li>● 50/60 Hz Selector</li> <li>● Earth Leakage Relay</li> <li>● Isometer (Insulation monitors)</li> <li>● Radio-control</li> <li>● Permanent Magnet Generator</li> </ul>			<ul style="list-style-type: none"> <li>● Volt and Hz adjustable from control panel</li> <li>● Gauges – water temperature and oil pressure</li> <li>● Water heater WH</li> <li>● Automatic fuel transfer pump (delivered loose)</li> </ul>			<ul style="list-style-type: none"> <li>● Fuel tank 120l</li> <li>● Fuel tank 350l</li> <li>● 3-way valve fuel system with quick connection for external fuel tank supply</li> </ul>			Version on request	<ul style="list-style-type: none"> <li>● 24 h autonomy version</li> </ul>

### Technical Data

#### GE 145 PS/PMS EAS      GE 145 PSX/PMSX EAS

<b>A.C GENERATION – 50 Hz</b>	<b>Three-phase synchronous alternator, self-excited, self-regulated, brushless</b>
* Stand-by three-phase power	152 kVA (121.6 kW) / 400 V / 219.4 A
* P.R.P. three-phase power	137 kVA (109.6 kW) / 400 V / 197.7 A
* P.R.P. single-phase power	50 kVA / 230 V / 217.4 A
Cos φ	0.8
Insulation class	H

#### ENGINE

4-stroke diesel, common rail, turbocharged-air to air charge cooled, direct injection, water cooled

Model	PERKINS 1106C-E66TAG2
* Stand-By net power	132.9 kW (180.7 HP)
* P.R.P. net power	119.5 kW (162.5 HP)
Cylinders/ Displacement	6/ 6.6 l (6600 cm <sup>3</sup> )
Speed	1500 rpm
Fuel consumption (75% of P.R.P.)	24.3 l/h

#### GENERAL SPECIFICATION

Tank capacity	230 l
Running time (75% of P.R.P.)	9.5 h
IP protection degree	IP 44
*Dimensions LxWxh (mm)	3000x1200x1800
*Dry weight	2130 / 2060 Kg
**Measured acoustic power LwA (pressure LpA)	95 dB(A) (70 dB(A) @ 7 m)
**Guaranteed acoustic power LwA (pressure LpA)	96 dB(A) (71 dB(A) @ 7 m)

\* Dimensions and weight without trolley/trailer. \*\*Acoustic power according to European Directive 2000/14/EC

Mosa reserves the right to change this specification without notice. For further information please contact the sales department