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# KMGP-700-1 GENSET

Generating Set Powered By **PERKINS** **STAMFORD LEROY-SOMER™**

### Output Ratings

Speed,Frequency/Volt	Prime Power	Standby Power
1800rpm, 60 Hz / 416V	512KWe/640KVA	560KWe/700KVA

### Genset Specifications

<b>Engine Make &amp; Model</b>	Perkins 2806A-EI8TAG2
<b>Origin</b>	USA
<b>Alternator Type</b>	HCI544E/S5LID-E4I/TAL0473E
<b>Control Panel</b>	Deep Sea - 7310 MKII
<b>Circuit Breaker Type</b>	3Pole MCCB
<b>Tropical Cooling System</b>	
<b>Digital Electronic Governor</b>	
<b>Turbocharged</b>	
<b>Exceptional Power to Weight Ratio</b>	

Fuel System (prime)	50%	75%	100%
1800rpm, 60 Hz (L/hr)	66	95	127

### International Standards

Engine conform to ISO 9001, 2000, ISO 14001, ISO 10054, ISO 3046, BS 5514, DIN 6271. Alternator conform to ISO 9001, ISO 14001, BS EN 60034, BS 5000, VDE 0530, NEMA MG1-32, IEC34 CSA C22.2-100, AS 1359, BS 6861 I, B En 61000-6-2:2001



### RATING GUIDELINES

**PRIME POWER** rating corresponds to ISO Standard Power for continuous operation. It is applicable for supplying electrical power at variable load for an unlimited number of hours instead of commercially purchased power. A10 % overload capability for governing purpose is available for this rating.

**MAXIMUM STANDBY POWER** rating corresponds to ISO Standard Fuel Stop Power. It is applicable for supplying standby electrical power at variable load in areas with well established electrical networks in the event of normal utility power failure. No overload capability is available for this rating. **1 hp = 1 kW x 1.36**

### Engine Technical Data

<b>No. of Cylinders / Alignment</b>	6 In Line
<b>Cycle</b>	4 Stroke
<b>Aspiration</b>	Turbocharged
<b>Injection</b>	Direct
<b>Bore, mm</b>	145
<b>Stroke, mm</b>	183
<b>Displacement, l</b>	18.13
<b>Compression Ratio</b>	14.5:1
<b>Starting</b>	24V Electric
<b>Alternators, Amps</b>	24V/70A

### Alternator Technical Data

<b>No. of Bearings</b>	Single Bearing
<b>Insulation System</b>	Class H
<b>Excitation</b>	Self Excited
<b>Voltage Regulator</b>	AS440/R150
<b>Protection</b>	IP23
<b>Temperature Rise, °C</b>	Prime 125/40 Standby 150/40
<b>Regulation</b>	±1.0% - ±0.8%
<b>No. of Phases</b>	3
<b>No. of Poles</b>	4

### Dimensions (m) & Weights (kg)

	L	W	H	Weight	Tank Capacity(L)
Open	3.75	1.54	2.13	4500	400
Enclosed	4.98	1.76	2.97	6945	673

