

# GORAN GENERATOR

## KGVP590 GENSET **VOLVO PENTA** Generating Set Powered By **STAMFORD**



Image for illustration purposes only

### Output Ratings

Generating Set Model	Prime Power	Standby Power
1500rpm, 50 Hz /400V 473KWe / 591KVA	521KWe / 651KVA	
1800rpm, 60 Hz /440V 500KWe / 625KVA	550KWe / 687KVA	

### Genset Specifications

Engine Make & Model	Volvo Penta TAD1642GE
Origin	SWEDEN
Alternator Type	Stamford HCI544E
Control Panel	Deap Sea - 7310
Circuit Breaker Type	3 Pole MCCB
Tropical Cooling System	°55C

Fully Electronic with Volvo Penta EMS 2

Emission Compliant

CANBUS SAEJ1939 Interface

Fuel System	%50	%75	%100
1500rpm, 50 Hz	59.28	88.47	120.36
1800rpm, 60Hz	64.60	95.95	132.36

\*Prime Power (l/hr)

### International Standards

Engine confirm to ISO 9001:2000, ISO 14001, ISO 10054, ISO 3046, BS 5514, DIN 6271.  
Alternator confirm to ISO 9001, ISO 14001, BS EN 60034, BS 5000, VDE 0530, NEMA MG32-I, IEC34 CSA C-22.2100, AS 1359, BS 1 6861, B En -6-610002:2001



### 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

No. of Cylinders / Alignment	6 In Line
Cycle	4 Stroke
Aspiration	Turbocharged
Injection	Electronic
Bore, mm	144
Stroke, mm	165
Displacement, l	16.12
Compression Ratio	16.5:1
Starting	24V Electric
Alternators, Amps	24V/80A

### Alternator Technical Data

No. of Bearings	Single Bearing
Insulation System	Class H
Excitation	Self Excited
Voltage Regulator	AS440
Protection	IP23
Temperature Rise, °C	125
Regulation	%1.0±
No. of Phases	3
No. of Poles	4

### Dimensions & Weights

Length(m)	Width(m)	Height(m)	Weight(kg)	Tank Capacity(L)
3.65	1.13	1.95	3995	405



