

PARAMETERS	DG MODELS
Genset Prime Rating (kVA) *	625
Genset Prime Rating (KW)	500
Phase / Voltage (V)	3/415
Power Factor	0.8 (lagging)
Current (A)	869
Frequency (Hz)& RPM	50/1500
Governing class	G2
Starting system	24 V DC Electrical
Fuel tank capacity (lit)	800
Genset dimensions w/o silencer (mm) (L x W x H) approx.	5850 X 2000 X 2300
Genset Weight (kg) approx.	7500
Engine Specification	
Make / Series	Perkins
Engine Model	2806D-E18TAG 1A
Power Output# (Kw)	540
Aspiration	Turbo Charged After Cooled
No. of cylinders	6
Bore x Stroke (mm)	145*183
Displacement (Lit)	18.1
Fuel consumption @ 75% load (lit/hr)^	97
Fuel consumption @ 100% load (lit/hr)^	130
Total lubrication system capacity (lit)	71
Lube oil consumption @ 100% load*	0.1% of fuel consumption
Lube oil change period (hrs.)	500
Radiator coolant capacity (lit)	55.6
Alternator	
Make	CG/LS/Stamford
Enclosure Type	IP23
Voltage regulation	±1%
Class of insulation	Class H
Maximum Unbalanced Load across Phases	25%

All Specifications are at Standard NTP operating conditions

^ Considering 0.845 Specific Gravity of diesel, +5 % Tolerance

Engine Power at 110 % load

Fuel -High Speed diesel (HSD IS 1460:2005)

* Represent the Standby Ratings

\$ Considering 0.89 Specific Gravity of Oil

Engine Power will have $\pm 5\%$ Tolerance
** For CG only 3 Phase Configuration available
\$\$Height Without Silencer