

## Perkins Diesel Power

### PERKINS (U.K.) Diesel Engine

Complying with ISO 3046, BS 5514, DIN 6271, NEMA-MGI, DIN EN, BS 5000, IEC 60034 and IEC 60947-2.  
 Governing Class - G2 - ISO 8528 Part 1  
 1500rpm (50Hz) or 1800rpm (60Hz)  
 Speed Governor Mechanical up to DGS90PSUK and it's electronic type for the above models  
 Heavy duty diesel engine / 4 - Stroke,  
 Naturally-aspirated up to DGS50PSUK /Turbocharged starting from DGS70PSUK and above,  
 Direct injection and water cooled  
 12 or 24 Volt engine electric starting system  
 Tropical type Radiator up to 50°C  
 Recommended Fuel Class A2 Diesel

## DSE DEEP SEA ELECTRONICS

**DEEPSEA Control Panel / DSE6120 DSE7310**  
 "Optional"

Manual Start / Remote Auto Start / AMF.  
 Engine Control/ Monitoring/ Alarms/ Warnings,  
 Display digital graphic Back-lit LCD  
 Digitally, Emergency Stop Push button,  
 Environmental protection IP 65 control case,  
 Push buttons for Manual operation  
 Programing and adjusting via  
 USB connection

## STAMFORD power generation

### STAMFORD Alternator

Brushless type, Self-excited, self-regulating,  
 Directly coupled to the engine  
 include excitation system,  
 Single bearing  
 Automatic voltage regulator AVR  
 Under-speed protection  
 Insulation Class "H"  
 12 leads, re-connectable for giving wide voltage range  
 400/230V,480/277V,380/220V,440/254V  
 416/240V, 220/127V, 208/120V

## ENCLOSURE WEATHER PROOF CANOPY

Base frame  
 Heavy duty fabricated steel constructed from folded channel section  
 Anti-vibration rubber mounting  
 Oil drain system, Fuel filling point with cap.  
 External bulk tank connection (Three way valve).  
 Sound Proof canopy with high quality acoustic material,heat resistance type with thickness of 35mm for best result  
 Weatherproof Canopy with high quality powder coated galvanized steel  
 Crane lifting arrangement is included.  
 Ingress Protection IP 23  
 Noise Pressure level @ 69 dB(A) ± 3 dB(A)@ 7 mt

## OPTIONAL FEATURES:

### A. Engine

- Heavy-Duty Air Filter
- Coolant Heater
- Fuel - Water Separator
- Lube Oil Rotary Pump

### B. Alternator

- Anti Condensation Heater
- PMG + DAVR
- Double Bearing Alternator
- RTDs For Bearing and Winding

### C. Cooling System

- 55 degree Radiator
- Remote Radiator

### D. Control System

- Parallel and synchronization
- Remote Annunciators
- 4 p manual/Motorized Circuit breaker

### E. Automatic Transfer Switch (ATS):

- Contactors or Breaker type ATS
- Motorized changeover type ATS

### F. Start Battery:

- Nickel-cadmium battery
- Battery charger and selector switch
- Charging current meter

### G. Exhaust Muffler:

- Critical grade
- Hospital grade

### H. Available for voltages :

- 400/230V, 480/277V, 380/220V, 440/254V
- Optional 220/127V, 208/120V

### I. Trailer / on wheel type option on demand



Item	Generator Set Model	Generator Rating Output				Switchable 50Hz/60Hz	PERKINS ENGINE					STAMFORD ALTERNATOR 4 pole/ 12 leads	Control Panel	FUEL CONS. @100% LOAD (L/Hr)	FUEL TANK (L)	DIMENSIONS (mm)			WEIGHT (Kg)
		50Hz/1500 rpm		60Hz/1800 rpm			Engine Model	No. of Cycle	Speed Gov Type	Disp	Fuel System Type					L	W	H	
		Prime kVA	Standby kVA	Prime kVA	Standby kVA														
1	DGS15PSUK	13	15	14	16	N.A.	403A-15G1 (50Hz) 403D-15G (60Hz)	3	Mech	1.5	Mech / Direct inj	S0L1L1	DSE6120	3.7	100	2022	922	1140	557
2	DGS25PSUK	20	22	24	26	N.A.	404A-22G1 (50Hz) 404D-22G1 (60Hz)	3	Mech	2.3	Mech / Direct inj	S0L2-G1	DSE6120	5.3	100	2172	922	1240	733
3	DGS35PSUK	30	33	35	38	Y	1103A-33G	3	Mech	3.3	Mech / Direct inj	S0L2-P1	DSE6120	7.1	100	2322	972	1260	923.5
4	DGS50PSUK	45	48	53	59	Y	1103A-33TG1	3	Mech	3.3	Mech / Direct inj	S1L2R1	DSE6120	10.8	123	2522	972	1260	1017.5
5	DGS70PSUK	60	66	68	75	Y	1103A-33TG2	3	Mech	3.3	Mech / Direct inj	S1L2-Y1	DSE6120	13.9	123	2522	972	1260	1062
6	DGS100PSUK	80	88	91	100	Y	1104A-44TG2	4	Mech	4.4	Mech / Direct inj	UCI224F	DSE6120	18.7	190	2822	1122	1375	1360.5
7	DGS125PSUK	100	110	114	126	Y	1104C-44TAG2	4	Elect	4.4	Mech / Direct inj	UCI224G	DSE6120	22.6	190	2822	1122	1375	1462
8	DGS150PSUK	135	150	152	179	N.A.	1106A-70TG1 (50Hz) 1106A-70TG1 (60Hz)	6	Mech	7	Mech / Direct inj	UC1274E	DSE6120	30.2	280	3222	1122	1470	1831
9	DGS250PSUK	200	220	250	275	Y	1206A-70TTAG2	6	Elect	7	Mech / Direct inj	UCI274H	DSE6120	51	480	3800	1300	1900	2620
10	DGS300PSUK	250	275	281	313	Y	1506A-E88TAG2	6	Elect	8.8	Electronic Common Rail	UCD274K	DSE6120	48.6	460	3822	1422	1900	2941
11	DGS350PSUK	300	330	350	380	Y	1506A-E88TAG5	6	Elect	8.8	Electronic Common Rail	HC1444D	DSE6120	64.9	520	3822	1422	2200	3384
12	DGS550PSUK	500	550	500	563	Y	2506C-E15TAG2	6	Elect	15.2	Electronic Combined unit	HC1544D	DSE6120	100	1055	4822	1722	2250	5165
13	DGS650PSUK	600	660	625	687	N.A.	2806C-E18TAG1A (50Hz) 2806C-E18TAG1A (60Hz)	6	Elect	18	Electronic Combined unit	HCI544E	DSE6120	129	1800	4822	1722	2400	5538
14	DGS800PSUK	750	825	750	825	N.A.	4006-23TAG2A (50Hz) 4006-23TAG2A (60Hz)	6	Elect	22.9	Electronic Combined unit	HCI634G	DSE6120	159	N.A.	5822	2172	2540	7159
15	DGS1100PSUK	1000	1100	995	1097	N.A.	4008TAG2A (50Hz) 4008TAG2 (60Hz)	8	Elect	30.9	Electronic Combined unit	HCI634J	DSE7320	220	N.A.	6058	2438	2591	12190

**Dimensions:** The above dimensions are for our standard premium design for Closed type/ Sound Proof range. The weight and dimensions may vary in case of Open type or trailer type.  
**Prime Power:** Power available for unlimited running hours at variable load. Overload of 10% is permitted for 1 hour every 12 hour of operation.  
**Standby Power:** Power available at variable load in case of mains power failure. No overload is permitted.

