

Offshore Generator - 50kVA

General Specifications

- ✎ Description: **RIGSAFE DIESEL GENERATOR**
- ✎ Manufacturer: kVA Limited
- ✎ Type: K60C
- ✎ Engine: Cummins 4BT3.3 G2
- ✎ Alternator: Leroy Somer LSA 43.2 S35
- ✎ Generator Output: 50-60hz
- ✎ Lifting Specification According to DNV 2.7-1



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Technical Specifications

Drive-Unit: <input type="checkbox"/> Diesel Engine	Unit Type: K 60 C
Driven Equipment: <input type="checkbox"/> Alternator	Rated Speed: rpm/hz 1500/50 1800/60
Duty: <input type="checkbox"/> Prime Power	Operation/Maint. Manual: Standard Issue
Drive: <input type="checkbox"/> Direct	Enclosure: Sound-Attenuated Canopy-Type
Cooling: <input type="checkbox"/> Radiator	Lifting specification in accordance with: DNV 2.7-1 when in frame
Unit is suitable for operating in: SAFE-AREA OFFSHORE	Noise Attenuation: 80 dBA within: 1mt of skid enclosure.
Generator set ratings	
50 Hz Prime Power kWe (kVA) 40 (50)	50 Hz Standby Power kWe (kVA) 44 (55)
60 Hz Prime Power kWe (kVA) 47 (58)	60 Hz Standby Power kWe (kVA) 53 (66)
Engine	
Manufacturer: Cummins Cylinders 4 in Line Disp. 3.3 Litre Bore: 95mm Stroke: 115mm	
Engine Type: 4BT3.3 G2 Compression Ratio: 17.1 : 1	
Aspiration: Turbocharged Maximum Allowable Speed: 2000	
Classification: ISO 8528/1, ISO 3046/1, BS 5514/1	
50 Hz Gross Power: kWm 51	
60 Hz Gross Power: kWm 61	
Alternator	
Manufacturer: Leroy Somer Type: LSA 43.2 S35 Volts: 380-440V @ 50Hz Volts: 420 - 480V @ 60Hz	
50 Hz Prime Power 53kVA @ 0.8 pf	50 Hz Standby Power 58kVA @ 0.8 pf
60 Hz Prime Power 59kVA @ 0.8 pf	60 Hz Standby Power 66kVA @ 0.8 pf
Sub-Transient Reactance: X"d 6.2 pu Transient Reactance: X'd 12.4 pu	
Instrumentation and Control	
Instrument Panel: <input type="checkbox"/> Skid Mounted <input type="checkbox"/> Service Hour Meter <input type="checkbox"/> Emergency Stop	
Gauges: <input type="checkbox"/> Water Temperature <input type="checkbox"/> Oil Pressure <input type="checkbox"/> Speed Indicator	
Controls: <input type="checkbox"/> Off / Manual / Auto (Local & Remote) <input type="checkbox"/> E.S.D. Interface	
Safety Systems: <input type="checkbox"/> High Engine Temperature <input type="checkbox"/> Low Oil Pressure <input type="checkbox"/> Overspeed	
Control System: <input type="checkbox"/> Manufacturer: Deepsea Controls <input type="checkbox"/> Type: DSE 5210	
Operation Modes: <input type="checkbox"/> Suitable for AMF application <input type="checkbox"/>	
Output: <input type="checkbox"/> M.C.C.B C120N <input type="checkbox"/> 3 Pole 120Amp <input type="checkbox"/> Protection - Long-Time/Short-Time & Instantaneous	
Earth Leakage: <input type="checkbox"/> Merlin Gerin VIGEREX RH99M (for main output MCB and the 3-Phase Socket Outlet)	
Socket Outlets: <input type="checkbox"/> 415/440V-1 x 63Amp 5-pin c/w 4 pole mcb <input type="checkbox"/> 230/240V - 2 x 32Amp 3-pin c/w 2 pole mcb/rcd	
Dimensions / Weights	
Enclosed Gen-Set: Length: 2280mm Width: 1100mm Height: 1570mm	
Enclosed Gen-Set in DNV Frame Length: 2870mm Width: 1400mm Height: 2425mm	
Open Gen-Set no Enclosure: 700kG Enclosed Gen-Set: 1380 kG Enclosed Gen-Set in DNV Frame 2780 kG	
Capacity / Operations / Service	
Fue Tank Cap 200 Lts Oil: 8 Lts Coolant: 4.5 Lts	
Fuel Usage: 50Hz - 11.5 Lts / Hour @ 100% duty 60Hz - 13.4 Lts / Hour @ 100% duty	
Service Intervals: Type (A) Oil & Filter change 400 Hrs	
Service Intervals: Type (B) Type A-service plus injector & tappet inspection/change 2,500 Hrs	