

Offshore Generator - 250kVA

General Specifications

- Description: **RIGSAFE DIESEL GENERATOR**
- Manufacturer: kVA Limited
- Type: K275C
- Engine: Cummins QSL9G3
- Alternator: Leroy Somer LSA 46.2
- Generator Output: 50-60hz
- Lifting Specification According to DNV 2.7-1



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Technical Specifications

Drive-Unit: ■ Diesel Engine	Unit Type: K 275 C			
Driven Equipment: ■ Alternator	Rated Speed: rpm/hz 1500/50 1800/60			
Duty: ■ Prime Power	Operation/Maint. Manual: Standard Issue			
Drive: ■ Direct	Enclosure: Sound-Attenuated Canopy-Type			
Cooling: ■ 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) 200 (250)	50 Hz Standby Power kWe (kVA) 220 (275)			
60 Hz Prime Power kWe (kVA) 230 (288)	60 Hz Standby Power kWe (kVA) 255 (318)			
Engine				
Manufacturer: Cummins	Cylinders 6 in Line	Disp. 8.8 Litre	Bore: 114mm	Stroke: 145mm
Engine Type: QSL9G3		Compression Ratio	16.8 : 1	
Aspiration: Turbocharged & Jacket Water After-Cooled		Maximum Allowable Speed:	2000	
Classification: ISO 8528/1, ISO 3046/1, BS 5514/1				
50 Hz Gross Power: kWm 227				
60 Hz Gross Power: kWm 262				
Alternator				
Manufacturer: Leroy Somer	Type: LSA 46.2	Volts: 380-440V @ 50Hz	Volts: 420 - 480V @ 60Hz	
50 Hz Prime Power 250kVA @ 0.8 pf	50 Hz Standby Power 275kVA @ 0.8 pf			
60 Hz Prime Power 276kVA @ 0.8 pf	60 Hz Standby Power 317kVA @ 0.8 pf			
Sub-Transient Reactance: T'd 10 pu	Transient Reactance: X'd 9.3 pu			
Instrumentation and Control				
Instrument Panel: ■ Skid Mounted	■ Service Hour Meter	■ Emergency Stop		
Gauges: ■ Water Temperature	■ Oil Pressure	■ Speed Indicator		
Controls: ■ Off / Manual / Auto (Local & Remote)	■ E.S.D. Interface			
Safety Systems: ■ High Engine Temperature	■ Low Oil Pressure	■ Overspeed		
Control System: ■ Manufacturer: Deepsea Controls	■ Type: DSE 5310			
Operation Modes: ■ Suitable for AMF application	■			
Output: ■ M.C.C.B. NR400F	■ 3-Pole 400 Amp	■ Protection - Long-Time/Short-Time & Instantaneous		
Earth Leakage: ■ Merlin Gerin VIGEREX RH99M	(for main output MCB and the 3-Phase Socket Outlet)			
Dimensions / Weights				
Enclosed Gen-Set:	Length: 3900mm	Width: 1300mm	Height: 2250mm	
Enclosed Gen-Set in DNV Frame	Length: 4220mm	Width: 1600mm	Height: 2950mm	
Open Gen-Set no Enclosure: 1760 kG	Enclosed Gen-Set: 4305 kG	Enclosed Gen-Set in DNV Frame	5955 kG	
Capacity / Operations / Service				
Fue Tank Cap 935 Lts	Oil: 26.5 Lts	Coolant: 11 Lts		
Fuel Usage: 50Hz - 65.7 Lts / Hour @ 100% duty	60Hz - 77.1 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			