

# Offshore Generator - 350kVA

## General Specifications

- ✎ Description: **RIGSAFE DIESEL GENERATOR**
- ✎ Manufacturer: kVA Limited
- ✎ Type: K400 P
- ✎ Engine: Perkins 2306C-E14 TAG2
- ✎ Alternator: Leroy Somer LSA 47.2
- ✎ Generator Output: 50-60hz
- ✎ Lifting Specification According to DNV 2.7-1



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# Offshore Generator - 350kVA

## Technical Specifications

Drive-Unit: <input checked="" type="checkbox"/> Diesel Engine	Unit Type: <b>K 400 P</b>			
Driven Equipment: <input checked="" type="checkbox"/> Alternator	Rated Speed: rpm/hz <b>1500/50 1800/60</b>			
Duty: <input checked="" type="checkbox"/> Prime Power	Operation/Maint. Manual: <b>Standard Issue</b>			
Drive: <input checked="" type="checkbox"/> Direct	Enclosure: <b>Sound-Attenuated Canopy-Type</b>			
Cooling: <input checked="" type="checkbox"/> Radiator	Lifting specification in accordance with: <b>DNV 2.7-1</b> when in frame			
Unit is suitable for operating in: <b>SAFE-AREA OFFSHORE</b>	Noise Attenuation: <b>80 dBA within: 1mt of skid enclosure.</b>			
<b>Generator set ratings</b>				
<b>50 Hz</b> Prime Power kWe (kVA) <b>280 (350)</b>	<b>50 Hz</b> Standby Power kWe (kVA) <b>320 (400)</b>			
<b>60 Hz</b> Prime Power kWe (kVA) <b>320 (400)</b>	<b>60 Hz</b> Standby Power kWe (kVA) <b>350 (438)</b>			
<b>Engine</b>				
Manufacturer: <b>Perkins</b>	Cylinders <b>6 in Line</b>	Disp. <b>8.8 Litre</b>	Bore: <b>137mm</b>	Stroke: <b>169mm</b>
Engine Type: <b>2306C-E14 TAG2</b>		Compression Ratio	<b>17.1</b>	
Aspiration: <b>Turbocharged &amp; Jacket Water After-Cooled</b>		Maximum Allowable Speed:	<b>2000</b>	
Classification: <b>ISO 8528/1, ISO 3046/1, BS 5514/1</b>				
<b>50 Hz</b> Gross Power: kWm <b>320</b>				
<b>60 Hz</b> Gross Power: kWm <b>350</b>				
<b>Alternator</b>				
Manufacturer: <b>Leroy Somer</b>	Type: <b>LSA 47.2</b>	Volts: <b>380-440V @ 50Hz</b>	Volts: <b>420 - 480V @ 60Hz</b>	
<b>50 Hz</b> Prime Power <b>350kVA @ 0.8 pf</b>	<b>50 Hz</b> Standby Power <b>400kVA @ 0.8 pf</b>			
<b>60 Hz</b> Prime Power <b>400kVA @ 0.8 pf</b>	<b>60 Hz</b> Standby Power <b>438kVA @ 0.8 pf</b>			
Sub-Transient Reactance: T'd <b>10 pu</b>	Transient Reactance: X'd <b>9.3 pu</b>			
<b>Instrumentation and Control</b>				
Instrument Panel: <input checked="" type="checkbox"/> Skid Mounted	<input checked="" type="checkbox"/> Service Hour Meter	<input checked="" type="checkbox"/> Emergency Stop		
Gauges: <input checked="" type="checkbox"/> Water Temperature	<input checked="" type="checkbox"/> Oil Pressure	<input checked="" type="checkbox"/> Speed Indicator		
Controls: <input checked="" type="checkbox"/> Off / Manual / Auto (Local & Remote)	<input checked="" type="checkbox"/> E.S.D. Interface			
Safety Systems: <input checked="" type="checkbox"/> High Engine Temperature	<input checked="" type="checkbox"/> Low Oil Pressure	<input checked="" type="checkbox"/> Overspeed		
Control System: <input checked="" type="checkbox"/> Manufacturer: <b>Deepsea Controls</b>	<input checked="" type="checkbox"/> Type: <b>DSE 5310</b>			
Operation Modes: <input checked="" type="checkbox"/> Suitable for AMF application	<input checked="" type="checkbox"/> Synchronisation & load share between multiple sets			
Output: <input checked="" type="checkbox"/> M.C.C.B. NR630F	<input checked="" type="checkbox"/> 3-Pole 630 Amp	<input checked="" type="checkbox"/> Protection - Long-Time/Short-Time & Instantaneous		
Earth Leakage: <input checked="" type="checkbox"/> <b>Merlin Gerin VIGEREX RH99M</b>	(for main output MCB and the 3-Phase Socket Outlet)			
Socket Outlets: <input checked="" type="checkbox"/>				
<b>Dimensions / Weights</b>				
Enclosed Gen-Set:	Length: <b>4200mm</b>	Width: <b>1900mm</b>	Height: <b>2600mm</b>	
Enclosed Gen-Set in DNV Frame	Length: <b>5150mm</b>	Width: <b>2300mm</b>	Height: <b>3275mm</b>	
Open Gen-Set no Enclosure: <b>3020 kG</b>	Enclosed Gen-Set: <b>4900 kG</b>	Enclosed Gen-Set in DNV Frame	<b>6125 kG</b>	
<b>Capacity / Operations / Service</b>				
Fue Tank Cap: <b>1000 Lts</b>	Oil: <b>22 Lts</b>	Coolant: <b>21 Lts</b>		
Fuel Usage: <b>50Hz - 75</b>	<b>60Hz - 85</b>			
Service Intervals: <b>Type (A) Oil &amp; Filter change 250 Hrs</b>				
Service Intervals: <b>Type (B) Type A-service plus injector &amp; tappet inspection/change 2,500 Hrs</b>				