



PROVIDING  
BETTER POWER

Keep Your Business Running, No Matter What.

## ROUGHNECK STANDBY DIESEL: 60KW

The **WILDCAT ROUGHNECK** 60KW emergency standby stationary diesel generator is commercial grade and designed to run for extended periods of time as needed.

### Durable Industrial Engine

Usually reserved for industrial applications, the power plant is a premier industrial fixed speed (1,800 RPM) engine built to provide strong, reliable power without giving up quiet operation and engine longevity.

### Digital Controls

Designed for single genset applications, the digital controls monitor the genset's voltage, current, power, frequency, engine speed, oil pressure and coolant temperature on a back-lit LCD display for ease of use.

### Quality Clean Power

Voltage regulation ensures that electronics are safely powered with less 5% total harmonic distortion (THD) at no load.

### Industrial Class Alternator

Protected with Class H insulation and standard 40° C nominal rating, the standard 12-wire winding and 2/3 pitch meet all key international standards and regulations.

### NFPA-110

Genset is designed to exceed NFPA-110, Level 2 Emergency Power Supply Systems (EPSS) by providing prime power (PP) to meet EPSS Class 168 Type 10.

### Easy To Service

Preventative maintenance and in-field repairs are made easier with our simplified engineering and non-proprietary parts.



### Engine Make & Model

Kirloskar Oil Engines (KOEL) 4R810TA1

### Alternator Make & Model

Stamford UCI224F

### Controller Make & Model

Deep Sea Electronics DSE 61XX

### Weight (Excluding Diesel Fuel)

3,353 lbs 1,512 kgs

### Overall Dimensions (in / mm)

109L x 42W x 72H 2763L x 1061W x 1812H

## GENERATOR SET RATINGS

Model	Voltage	Power Factor	Phase	Hertz	Circuit Breaker Amps	KW	KVA	BHP	Duty Cycle	Certifications
<b>Roughneck Diesel 60</b> RO0060D3A*XE	120 / 240	1.0	1	60	250	56	56	100	Emergency Standby Stationary	EPA Tier 3
<b>Roughneck Diesel 60</b> RO0060D3B*XE	208 / 120	0.8	3	60	225	60	75	100	Emergency Standby Stationary	EPA Tier 3
<b>Roughneck Diesel 60</b> RO0060D3C*XE	240 / 120	0.8	3	60	200	60	75	100	Emergency Standby Stationary	EPA Tier 3
<b>Roughneck Diesel 60</b> RO0060D3D*XE	480 / 277	0.8	3	60	200	60	75	100	Emergency Standby Stationary	EPA Tier 3

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## ENGINE SPECIFICATIONS

### Engine

<b>Manufacturer</b>	KOEL
<b>Type</b>	4R810TA1 Powertrain, 4 Stroke, Turbo Charged & Charge Air Cooled
<b>Speed (RPM)</b>	1800
<b>Cylinder Arrangement</b>	Inline 4
<b>Displacement (L / cc)</b>	3.2L / 3240cc
<b>Bore &amp; Stroke (in / mm)</b>	3.779" x 4.409" / 96 x 112
<b>Compression Ratio</b>	16.5 : 1
<b>Governor Type</b>	Electronic
<b>Frequency Regulation Steady Rate</b>	0.25% (+/-)
<b>Frequency Regulation</b>	Isochronous, Constant Speed
<b>No Load To Full Load</b>	
<b>Air Filter Type</b>	Dry
<b>Limited Warranty</b>	3 Year, 5,000 Hour

### Lubrication System

<b>Type</b>	Full Pressure
<b>Oil Capacity (qt / L)</b>	12 / 11.5
<b>Oil Filter (Quantity / Type)</b>	1 / Spin-On

### Cooling System

<b>Radiator Type</b>	Aluminum
<b>Fan Type</b>	Pusher

### Sound Rating at 7 Meters, Lowest Side

<b>No Load</b>	72 dB(A)
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### Engine Crankcase Vent System

<b>Engine Crankcase Vent System</b>	Closed Crankcase Vent
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### Engine Output Deratings

<b>Rated Temperature (°F / °C)</b>	77 / 25
<b>Rated Altitude</b>	328 ft (100m) above sea level
<b>Temperature Derate</b>	1.5% for Each 10°F (5.6°C) Above Rated Temperature
<b>Altitude Derate</b>	2.5% for Each 1,000 ft (305m) Above Rated Altitude

### Electrical System

<b>Ignition System</b>	Compression Ignition
<b>Battery Quantity</b>	1
<b>Battery Voltage (VDC)</b>	12
<b>Battery CCA (A)</b>	900
<b>Battery Charging Alternator</b>	
<b>Ground (Negative / Positive)</b>	Negative
<b>Voltage (VDC)</b>	12
<b>Amperage (A)</b>	32
<b>Starter Motor Voltage (VDC)</b>	12

### Exhaust System

<b>Exhaust Manifold Type</b>	Dry
<b>Exhaust Flow at Rated Load (gal / hr)</b>	95.1
<b>Exhaust Temp at Rated Load (°F / °C)</b>	1256° F / 680° C
<b>Max Allowable Back Pressure (Hg / kPa)</b>	2.95 / 10.0 +/- 1.0

### Fuel System

<b>Fuel Type</b>	Ultra-Low Sulfur Diesel
<b>Fuel Injection Pump</b>	Mechanical Fuel Inline Pump
<b>Fuel Filter</b>	Single Bowl Spin-On
<b>24 Hr Fuel Tank Size</b>	140 Gallons
<b>Optional Extendable Fuel Tank For 24 / 48 / 72 / 96 Hour Run Times</b>	

### Fuel Consumption

	<b>Full Load</b>	<b>50% Load</b>	<b>No Load</b>
	4.94 gal / hr	2.51 gal / hr	1.00 gal / hr

**4R810**





## ALTERNATOR SPECIFICATIONS

Wildcat Model	RO0060D3A*XE	RO0060D3B*XE	RO0060D3C*XE	RO0060D3D*XE
Alternator Model	UCI224F	UCI224F	UCI224F	UCI224F
Manufacturer	Stamford	Stamford	Stamford	Stamford
Type	Brushless, 12- Lead	Brushless, 12- Lead	Brushless, 12- Lead	Brushless, 12- Lead
Frequency (Hertz)	60	60	60	60
Phase Voltage	1-Phase 120 / 240	3-Phase 208 / 120	3-Phase 240 / 120	3-Phase 480 / 277
Winding Configuration	Double Delta	Parallel Star	Series Delta	Series Star
Exciter Type	Self Exciter	Self Exciter	Self Exciter	Self Exciter
Number of Poles	4	4	4	4
Voltage Regulator	MX341	MX341	MX341	MX341
Insulation Rating	Class H	Class H	Class H	Class H
Designed Temperature Rise Limit	125 °C	125 °C	125 °C	125 °C
Bearing (Quantity / Type)	1 / Sealed	1 / Sealed	1 / Sealed	1 / Sealed
Coupling	Flexible Disk	Flexible Disk	Flexible Disk	Flexible Disk
Amortisseur Windings	Full	Full	Full	Full
Voltage Regulation, NL to FL	1.0% (+/-)	1.0% (+/-)	1.0% (+/-)	1.0% (+/-)
Total Harmonic Distortion (THD) NL to FL	< 5%	< 5%	< 5%	< 5%

Complete winding protection for non-harsh environment with relative humidity < 95%. IP23 Protection.

Manufactured according to the following standards: ISO 3046, ISO 8528-1, ISO 8528-3, ISO 8528-5, IEC 60034-1, BS 5000-3

## CONTROLLER SPECIFICATIONS

Manufacturer	Deep Sea Electronics
Model	DSE 61XX
Display	Easy To Read Alpha-Numeric Scrolling Display
Monitoring	Diagnostic Conditions, Fault Codes, Weekly Exercise Cycle



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