

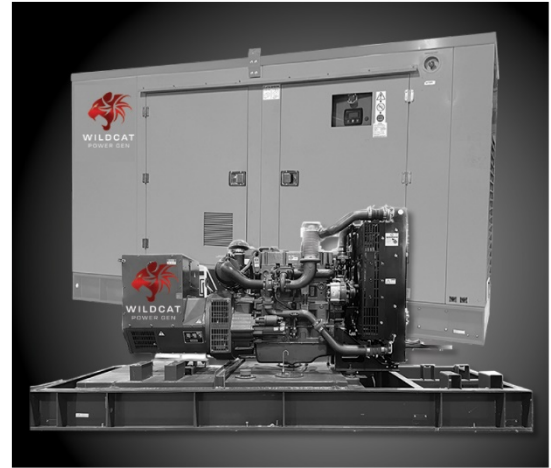


**WILDCAT**  
POWER GEN

**PROVIDING  
BETTER POWER**

## ROUGHNECK NG-LPG: 40KW

The Roughneck generator was designed with rugged simplicity in mind. Choose from options on phase, voltage, fuel and enclosure packages that are all designed to run for extended periods of time with prime rated liquid cooled engine platforms.



### Durable Industrial Engine

- Usually reserved for industrial applications, the Roughneck's 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.

### Quality Clean Power

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

### NFPA-110

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

### Digital Controls

- Designed for single genset applications, the Roughneck's 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.

### Industrial Class Alternator

- Protected with Class H insulation and standard 40°C nominal rating, the Roughneck's standard 12-wire winding and 2/3 pitch meet all key international standards and regulations including UL 1446.

### Easy to Service

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

## GENERATOR SET RATING

Model	Voltage	Power Factor	Phase	Hertz	Circuit Breaker Amps	kW / kVA	BHP (BTU/FT <sup>3</sup> )	Fuel Flow (GPH)	Voltage Regulation	Controller
Roughneck NG 35KW RO0035NGA*XP	120/240	1.0	1	60	150	35/42	38 / 42	3.5	Digital	Deepsea
Roughneck LPG 35KW RO0035PLA*XP	120/240	1.0	1	60	150	35/42	42 / 46	3.5	Digital	Deepsea
Roughneck NG 40KW RO0040NG**XP	208 / 110 240 / 120 480 / 277	1.0	3	60	125	40/48	38 / 42	4.5	Digital	Deepsea
Roughneck LPG 40KW RO0040PL**XP	208 / 110 240 / 120 480 / 277	1.0	3	60	60	40/48	42 / 46	4.5	Digital	Deepsea



**ENGINE SPECIFICATIONS**

**Engine**

Manufacturer	ARROW
Type	3.12L Industrial Powertrain 4 Cycle, Turbo Aspirated
Speed (RPM)	900 - 2200
Cylinder Arrangement	2 valves per cylinder
Displacement (L)	3.12L
Bore & Stroke (in / mm)	4.1" x 4.7" / 105 x 120
Compression Ratio	9:1
Governor Type	Electronic
Frequency Regulation Steady State	+/-0.5%
Frequency Regulation No-load to Full-load	Isochronous
Air Filter Type	Dry
Limited Warranty	3 Years, 5,000 Hours

**Lubrication System**

Type	Full Pressure
Oil Capacity (qt / L)	8.00 / 7.57
Oil Filter (Quantity / Type)	1/Spin-On

**Cooling System**

Heat Rejected to Cooling Water at Rated Load (BTU/min / kcal / sec)	3120 / 13.1
Water Pump Type	Centrifugal

**Sound Rating at 7 Meters, Lowest Side**

No Load	70 dB(A)
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**Air Induction System**

Air Filter	Dry Type
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**Electrical System**

Battery Quantity	1
Battery Voltage (VDC)	12
Battery CCA (A)	625
Battery Charging Alternator	
Ground (Negative/Positive)	Negative
Voltage (VDC)	12
Amperage (A)	70
Starter Motor Voltage (VDC)	12

**Exhaust System**

Exhaust Manifold Type	Dry
Exhaust Temperature at Rated Load (°F / °C)	1099 / 593

**Fuel System**

Fuel Type	LPV or NG
Fuel Supply Line Inlet	1 1/4" NPT
Recommended Fuel, Lower Heating Value Minimum (BTU/ft <sup>3</sup> / MJ/m <sup>3</sup> )	NG - 700-1600 LPV - 2338
Fuel Supply Pressure (in H <sub>2</sub> O / mbar)	7-11 / 17-28

**Fuel Consumption**

BSFC	Full Load	50% Load	No Load
Pipeline NG	4.5 GPH	3.5 GPH	2.6 GPH
LPG	4.7 GPH	3.7 GPH	2.7 GPH

**STANDARD CONTROLLER**



**WILDCAT POWER GEN  
DeepSea Controller**

- User-friendly control panel for troubleshooting
- Conveniently monitors diagnostic conditions, displays system fault codes and sets weekly exercise cycle
- Easy-to-read alpha-numeric scrolling display
- Single & 3 Phase generator applications
- UL recognized

**Engine Output Deratings**

Rated Temperature (°F / °C)	77 / 25
Rated Altitude	1200 ft (366 m) Above Sea Level
Temperature Derate	1.5% for Each 10°F (5.6°C) Above Rated Temperature
Altitude Derate	2.5% for Each 1000 ft (305 m) Above Rated Altitude



## ALTERNATOR SPECIFICATIONS

	Roughneck 35KW Single Phase NG-LPG	Roughneck 40KW 3-Phase NG-LPG	Roughneck 40KW 3-Phase NG-LPG	Roughneck 40KW 3-Phase NG-LPG
<b>Model</b>	RO0035**A*XP	RO0040**B*XP	RO0040**C*XP	RO0040**D*XP
<b>Alternator Model</b>	UCI224D1	UCI224D1	UCI224D1	UCI224D1
<b>Manufacturer</b>	Stamford	Stamford	Stamford	Stamford
<b>Type</b>	Brushless, 12-Lead	Brushless, 12-Lead	Brushless, 12-Lead	Brushless, 12-Lead
<b>Frequency (Hz)</b>	60	60	60	60
<b>Phase</b>	1	3	3	3
<b>Winding Configuration</b>	Double Delta	Parallel Star	Series Delta	Series Star
<b>Exciter Type</b>	Self Exciter	Self Exciter	Self Exciter	Self Exciter
<b>Number of Poles</b>	4	4	4	4
<b>Voltage Regulator</b>	MX341UL	MX341UL	MX341UL	MX341UL
<b>Insulation Rating</b>	Class H	Class H	Class H	Class H
<b>Designed Temperature Rise Limit</b>	125 °C	125 °C	125 °C	125 °C
<b>Bearing (Quantity / Type)</b>	1/Sealed	1/Sealed	1/Sealed	1/Sealed
<b>Coupling</b>	Flexible Disk	Flexible Disk	Flexible Disk	Flexible Disk
<b>Amortisseur Windings</b>	Full	Full	Full	Full
<b>Voltage Regulation, NL to FL</b>	+/- 1.0%	+/- 1.0%	+/- 1.0%	+/- 1.0%
<b>One Step Load Acceptance</b>	100% ofRating	100% ofRating	100% ofRating	100% ofRating
<b>Total Harmonic Distortion (THD), NL to FL</b>	<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

## Weight & Dimensions

**Assembled Weight (lbs / kg)** 3207 LBS / 1455 KG

**Overall Dimensions (in / mm)** 108.78" L x 41.78" W x 71.34" H 2763mm L x 1061mm W x 1812mm H

Need help? Visit [wildcatpowergen.com](http://wildcatpowergen.com)

Complete the web form and a local dealer will contact you to answer questions on our generators and accessories.

**620-500-5111**

**Never Lose Power Again  
With Wildcat Power Gen**