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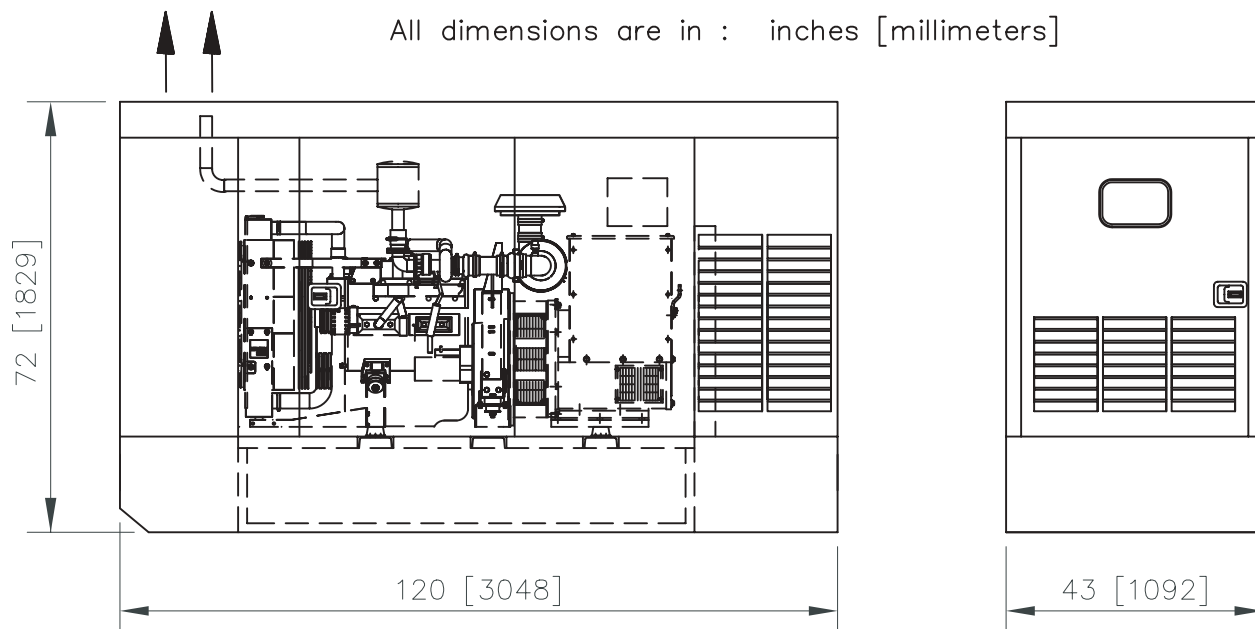
## Frontier Quiet Prime Power

# FQ-DS075 Diesel Generator Set

Prime power rating: 70 kVA 55 kW

Intermittent power rating: 75 kVA 60 kW

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WEIGHT, DRY : 5000 lbs [2270 kg]

### Features

- CSA approved generator and distribution
- Conservative generator and engine ratings
- Exceptional reliability in a sound attenuated package
- Electrical distribution is enclosed for enhanced operator safety
- Field proven performance
- "Oilfield" skid base option
- Weather resistant, powder coated enclosure and base frame
- Integral, large volume fuel tank with spill containment
- Easy access for major repairs or component changes
- Vibration isolated construction for smooth, quiet operation
- Tandem axle trailer option
- Electrical distribution options
- *Comprehensive options listing available on request*



Delta, BC, Canada 1-877-946-5531

Edmonton, AB, Canada 1-877-455-2260

Calgary, AB, Canada 1-877-720-3735

[www.frontierpower.com](http://www.frontierpower.com)

# Specifications

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## Engine Specifications

Manufacturer	John Deere
Model	4045T
Cylinders	4
Displacement	4.5 Litres (279 cu.in)
Bore	106 mm (4.19 in.)
Stroke	127 mm (5.00 in.)
Compression ratio	17.6:1
Intake air	Turbocharged
<i>Complete engine details are available on a separate spec sheet</i>	

## Electrical Distribution

"Linking board" for simple reconnection of generator\*

Three pole fusible disconnect\*

Two Hubbel 100A pin and sleeve outlets\*

Six 230 V, 30 A Twist-lock three phase receptacles\*

CEMA 1 enclosure, CSA approved\*

Rear door constructed for cable access with door closed

*\* Typical distribution components. Others by request*

## Metering and Controls

The standard metering package includes a saddle mounted, CSA approved instrument panel.

Generator output metering includes AC voltmeter, frequency meter, ammeter and phase selector switch. The AC meters are fuse protected.

Engine monitoring includes DC volts, hour meter, oil pressure and coolant temperature.

Standard safety shutdowns are provided for low oil pressure and high coolant temperature.

## Generator Specifications

Manufacturer	Newage Stamford
Model	UCI224F
12 lead, reconnectable, single bearing.	
Rated:	
60 kW @ 105 degree C @ 208 or 480 V at 0.8 PF	
52.5 kW @ 125 degree C @ 120/240 V single phase @ 1.0 PF	
Brushless, solid state +/- 1-1/2% voltage regulation	
Complete generator details are available on a separate specification sheet.	

## Fuel Tank

Base fuel tank with 140 Imp. Gallons (636 litres) fuel capacity.

## Enclosure

Sound attenuated, weather resistant, 12 ga. sheet metal walls, 11 ga. roof. Four doors (access both sides). Rear door access to electrical distribution equipment. "Powder coat" finish, inside and outside of enclosure. Full containment to prevent external spillage. Single point lifting.

## Other Features

Fully load tested

Unit is serviced including oil, antifreeze and cooling system additives.

## Options

Sight level gauges for oil and coolant level

Manual throttle control with regulator cutout switch

Various electrical distribution options available

A separate option listing is available

## Generator Set Features

Standard 60 Hz. ratings and voltages with 12 lead reconnectable brushless generator

75 kVA, 60 kWe @ 120/208 V, 3 phase, 0.8 P.F, 105 degrees C temperature rise x resistance

75 kVA, 60 kWe @ 277/480 V, 3 phase, 0.8 P.F, 105 degrees C temperature rise x resistance

52 kVA, 52 kWe @ 120/208 V, 1 phase, 1.0 P.F, 105 degrees C temperature rise x resistance

Optional 60 Hz. ratings and voltages

75 kVA, 60 kWe @ 347/600 V, 3 phase, 0.8 P.F, 105 degrees C temperature rise x resistance

75 kVA, 60 kWe @ 120/208 V, 3 phase, 0.8 P.F, 105 degrees C temperature rise x resistance

\* Oversized alternators for non-linear loads or improved motor starting characteristics

Optional 50 Hz ratings and voltages on request

## Warranty

The engine and generator are covered by the manufacturers' warranty (details available on our website).

Other components are covered by Frontier's 1 year limited warranty



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