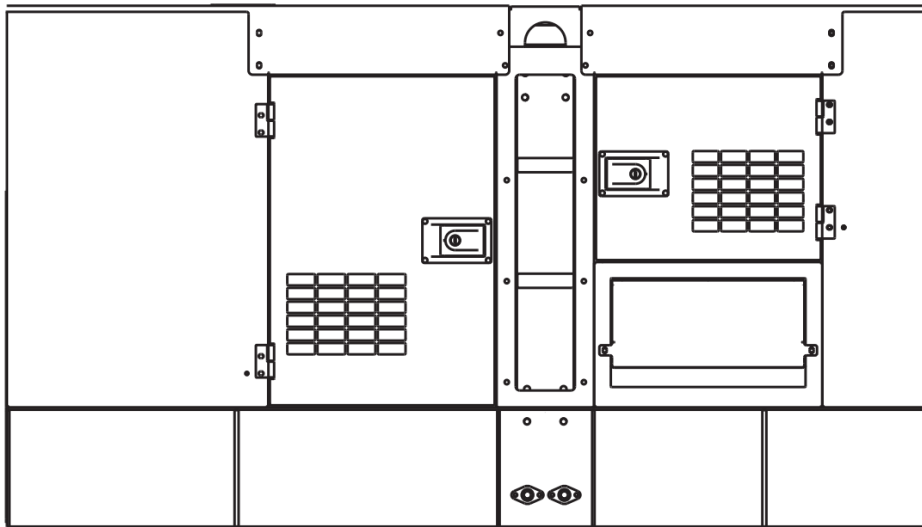


# Cummins Powered Diesel Generator Set

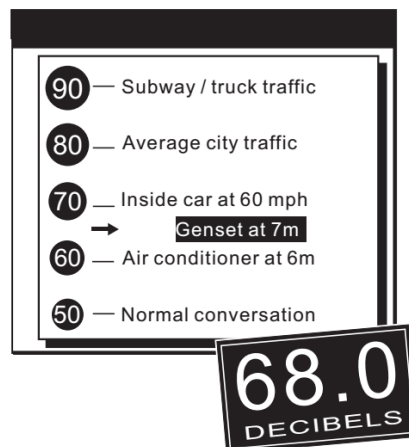
25kW (4B3.9-G2) | 30kW (4BT3.9-G2)



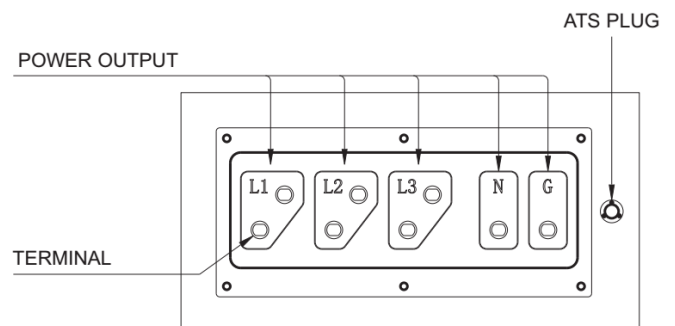
## STANDARD FEATURES

- Heavy duty, 4-cycle, variable speed fan, diesel engine provides maximum reliability.
- Brushless alternator reduces service and maintenance requirements. Class H protection.
  - Open delta alternator design provides virtually unlimited excitation for maximum motor starting capability.
  - Automatic voltage regulator (AVR) provides precise regulation.
- Electronic governor system maintains frequency to  $\pm 0.25\%$ .
- Full load acceptance of standby nameplate rating in one step
- Soundproof, weather resistant, steel housing provides operation at 68dB (A) at 7meters. Fully lockable enclosure allows safety operation. Outdoor operation available.
- Internal fuel tank with direct observing glass, and fuel level meter display on control panel
  - E-coat and powder coat paint provides durability and weather protection.
- Digital engine gauges including oil pressure, water temperature, battery volts, engine speed, and fuel level.
- Analog generator instrumentation including Ampere meter,
- Voltage meter, frequency meter, ammeter phase selector switch, voltmeter phase selector switch. Analog generator instrumentation and regulator adjustment.
- Deepsea/Comap professional generator controller.
  - High visibility LCD display with heated screen and alphanumeric readout.
  - IP65 Protection standard, operational temperature range of  $-40^{\circ}$  to  $85^{\circ}$  C.
  - Modbus interface for gauge panel and expansion options.
  - DPF cleaningcycle indication.
  - Log record for inspection
- Automatic safety shutdown system monitors the water temperature, engine oil pressure, low coolant, low DEF, overspeed, and overcrank. Warning lights indicate abnormal conditions.
- Fuel/water separator. Removes condensation from fuel for extended engine life.
- Emergency stop switch — when manually activated, shuts down in any emergency.

## SILENT SERIES

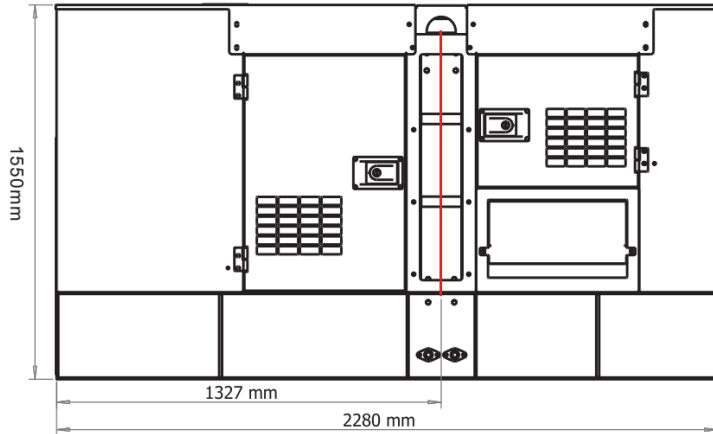
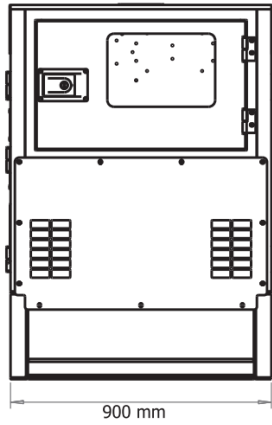


## GENERATOR OUTPUT PANEL



# Cummins Powered Diesel Generator Set

25kW (4B3.9-G2) | 30kW (4BT3.9-G2)

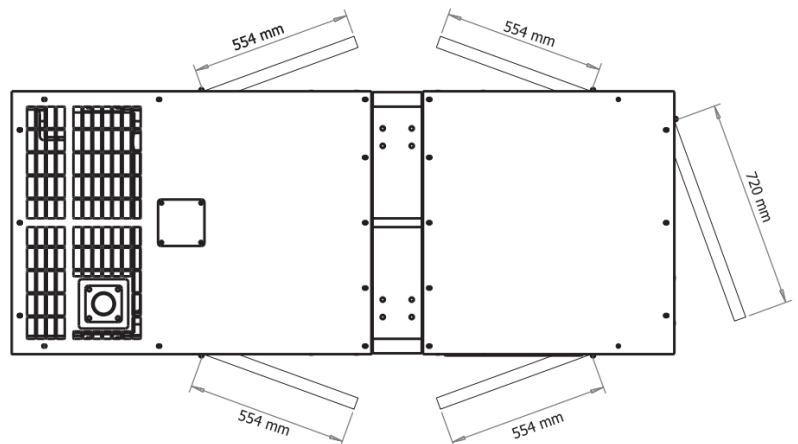


## 30kW

Weight	
Dry Weight	1,290 kg
Wet Weight	1,510 kg
Max. Lifting Point Capacity	4,000 kg

## 25kW

Weight	
Dry Weight	1,170 kg
Wet Weight	1,400 kg
Max. Lifting Point capacity	4,000 kg



# Cummins Powered Diesel Generator Set

25kW (4B3.9-G2) | 30kW (4BT3.9-G2)

## 30kW SPECIFICATIONS WITH 4BT3.9-G2 CUMMINS ENGINE

### SPECIFICATIONS

Generator Specifications	
Voltage Regulation (No load to full load)	±0.5%
Generator RPM	1800
Frequency	60 Hz
No. of Poles	4
Excitation	Brushless with AVR
Frequency Regulation: No Load to Full Load	Isochronous under varying loads from no load to 100% rated load.
Frequency Regulation: Steady State	±0.25% of mean value for constant loads from no load to full load.
Insulation	Class H
Sound Level dB(A) Full load at 7M	68

Fuel System	
Maximum Fuel Flow (per hour)	5.28 gallons (20 liters)
Fuel Tank Capacity	29.06 gallons (110 liters)
Fuel Consumption	L / h
At full load	10.7
At 3/4 load	8.4
At 1/2 load	6.2
At 1/4 load	4.2

Control system	
Controller Brand	Deepsea
Model	DSE6120
Module	Manual/Auto start/stop module
Standard function	Engine control
	Generator monitoring
	Generator protection
	Specification
Display	Frequency
	Battery voltage
	Running hour
Warning/shutdown	under/over voltage
	under/over speed
	under/over frequency
	Low oil pressure
	High water temperature
Communication port	USB

Engine Specifications	
Make / Model	Cummins / 4BT3.9-G2
Emissions	<b>Non EPA!</b>
Starting System	Electric
Design	4-cycle, water cooled, direct injection
Displacement	3.9 liters
No. cylinders	4
Bore x Stroke	102 x 120 mm
Gross Engine Power Output	60.3 hp (45 kW)
Compression Ratio	18.0 : 1
Engine Speed	1800 rpm
Overspeed Limit	2070 rpm
Oil Capacity	2.88 gallons (10.9 liters)
Coolant Capacity	5.55 gallons (21 liters)
Battery	24V 60Ah x 2

Alternator	
Alternator Brand	Leroy Somer
Alternator Model	TAL A42 E
Excitation	Brushless, Self-Excited system
Capacity(KVA)	40kva
Power(KW)	32kw
Efficiency(%)	88%
Insulation class	Class H
Protection class	Ip23
Steady state voltage regulation	±1%
Voltage control	AVR

### WARRANTY\*

#### Generator

12 months from date of purchase or 1000 hours (whichever occurs first).

# Cummins Powered Diesel Generator Set

25kW (4B3.9-G2) | 30kW (4BT3.9-G2)

## 25KW SPECIFICATIONS WITH 4B3.9-G2 CUMMINS ENGINE

### SPECIFICATIONS

Generator Specifications	
Voltage Regulation (No load to full load)	±0.5%
Generator RPM	1800
Frequency	60 Hz
No. of Poles	4
Excitation	Brushless with AVR
Frequency Regulation: No Load to Full Load	Isochronous under varying loads from no load to 100% rated load
Frequency Regulation: Steady State	±0.25% of mean value for constant loads from no load to full load.
Insulation	Class H
Sound Level dB(A) Full load at 7M	68

Fuel System	
Maximum Fuel Flow (per hour)	3.96 gallons (15 liters)
Fuel Tank Capacity	29.06 gallons (110 liters)
Fuel Consumption	L / h
At full load	6.7
At 3/4 load	5.2
At 1/2 load	4.0
At 1/4 load	2.7

Control system	
Controller Brand	Deepsea
Model	DSE6120
Module	Manual/Auto start/stop module
Standard function	Engine control
	Generator monitoring
	Generator protection
	Specification
Display	Frequency
	Battery voltage
	Running hour
Warning/shutdown	under/over voltage
	under/over speed
	under/over frequency
	Low oil pressure
	High water temperature
Communication port	USB

Engine Specifications	
Make / Model	Cummins / 4B3.9-G2
Emissions	
Starting System	Electric
Design	4-cycle, water cooled, direct injection, natural intake
Displacement	3.9 liters
No. cylinders	4
Bore x Stroke	102 x 120 mm
Gross Engine Power Output	41.6 hp (31 kW)
Compression Ratio	17.5 : 1
Engine Speed	1800 rpm
Overspeed Limit	2070 rpm
Oil Capacity	2.88 gallons (10.9 liters)
Coolant Capacity	5.55 gallons (21 liters)
Battery	24V 60Ah x 2

Alternator	
Alternator Brand	Leroy Somer
Alternator Model	TAL-A42-C
Excitation	Brushless, Self-Excited system
Capacity(KVA)	36kva
Power(KW)	28.8kw
Efficiency(%)	88%
Insulation class	Class H
Protection class	Ip23
Steady state voltage regulation	±1%
Voltage control	AVR

### WARRANTY\*

#### Generator

12 months from date of purchase or 1000 hours (whichever occurs first).