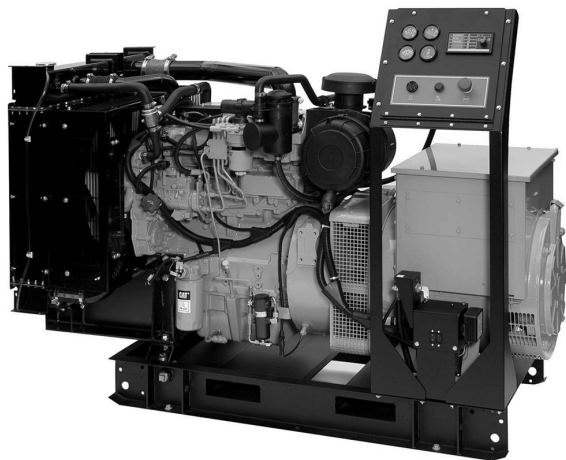


50 Hz, 1500 rpm  
Radiator Cooled



Shown with  
Accessory Equipment

## CATERPILLAR® ENGINE SPECIFICATIONS

### I-4, 4-Stroke-Cycle-Diesel

Displacement	4.4 L (269 cu. in.)
Bore	105 mm (4.13 in.)
Stroke	127 mm (4.99 in.)
Combustion	Direct Injection
Aspiration	Naturally Aspirated
Governor	Electronic
Gen Set Package Dry Weight (approx)	776 kg (1710 lb)
Total System Capacity	
Cooling System	17.5 L (4.62 U.S. gal)
Lube Oil System	8.5 L (2.25 U.S. gal)
Oil Change Interval	500 hr
Rotation (from flywheel end)	Counterclockwise

## STANDARD EQUIPMENT

### Air Inlet System

Air cleaner, single element canister type with service indicator and rain cap; glowplug cold start system

### Cooling System

Radiator cooled package (sized for up to 50°C amb. air) incorporating deaeration expansion tank, plate-type engine oil cooler, gear-driven centrifugal jacket water pump, Caterpillar® Extended Life Coolant

### Exhaust System

Insulated exhaust elbow, water-cooled exhaust manifold

### Fuel System

Primary fuel filter/water separator with NPT and BSP connectors (ship loose), secondary fuel filter (LH), fuel priming pump — electric, energize-to-run shutoff solenoid

### Generator

12 lead reconnectable, 3 phase all models, brushless, separately excited from auxiliary winding to provide 300% short circuit current up to 10 seconds, 2/3 pitch, broad voltage band, IP23 water protection, solid state voltage regulator with integral voltage adjustment potentiometer, Class H insulation, connection poles

### Governing System

Electronic governor

### Lube System

Lubricating oil, oil filter (LH), dipstick (LH), fumes disposal (closed system)

### Mounting System

Steel base frame with drip pan, anti-vibration mounts

### Starting/Charging System

Negative isolated ground electric system

### General

Single-side service (LH)

## OPTIONAL ATTACHMENTS

### Control System

Governor droop kit (selecting this kit enables paralleling with appropriate customer-supplied switchgear)

### Generators & Generator Attachments

Space heater kit, installed — 120V AC, 240V AC

### Fuel System

Double wall fuel lines and mounted alarm reservoir

### Starting System

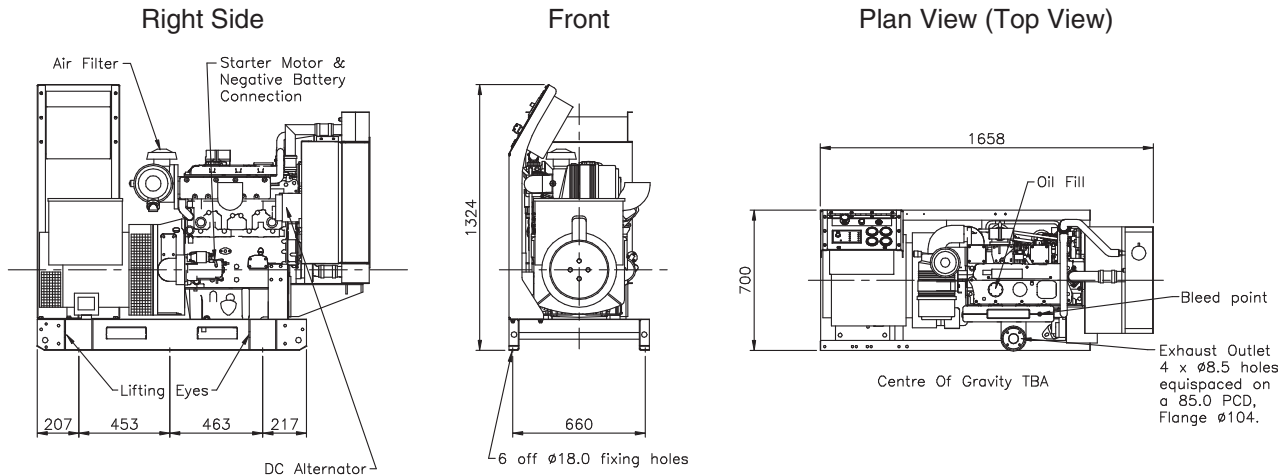
Jacket water heater options, additional 12 or 24 volt starter

### Marine Classification Society (MCS) Approval

MCS approved packages available

### General

PGS test report @ 1.0 power factor, extra literature, storage preservation, export packing: single engine shipment to U.S., 20-foot container engine shipments, 40-foot container engine shipments



### DIMENSIONS

Package Dimensions		
Overall Length	1658 mm	65.3 in
Overall Height*	1187 mm	46.7 in
Overall Width	700 mm	27.6 in

\*Height dimension does not include height to electronic control panel.

### CATERPILLAR GENERATOR

Power Factor	1.0
Frame	C4.4
Insulation	Class H
Temperature Rise	
@ 40°C Ambient (110%)	Class H (150°K)
@ 50°C Ambient (110%)	Class H (140°K)
Winding Pitch Code	2/3
Terminals	12 lead reconnectable
Drip Proof	IP 23
Air Flow 50 Hz	0.27 m <sup>3</sup> /s (572 cfm)
Excitation System	AREP
Voltage Regulation (steady state)	$\pm 0.5\%$
Total Harmonic Content LL/LN	<4%
Wave Form: NEMA=TIF	<50
Wave Form: I.E.C.=THF	<2%

Performance data is calculated in accordance with tolerances and conditions stated in this specification sheet and is only intended for purposes of comparison with other manufacturers' engines. Actual engine performance may vary according to the particular application of the engine and operating conditions beyond Caterpillar's control.

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### PERFORMANCE DATA

#### 50 Hz DIN A

Fuel Consumption		
@ Full Power	11 L/hour	2.9 gph

### RATING CONDITIONS

\***Ratings** are based on SAE J1228/ISO8665 standard conditions of 100 kPa (29.61 in. Hg), 25°C (77°F), and 30% relative humidity. These ratings also apply at ISO3046/1, DIN6271/3, and BS5514 conditions of 100 kPa (29.61 in. Hg), 27°C (81°F), and 60% relative humidity.

**Fuel rates** are based on fuel oil of 35° API [16°C (60°F)] gravity having an LHV of 42 780 kJ/kg (18,390 Btu/lb) when used at 29°C (85°F) and weighing 838.9 g/L (7.001 lb/U.S. gal).

Additional ratings may be available for specific customer requirements. Consult your Caterpillar representative for additional information.

\*Ratings at 50°C (122°F) ambient are 33.5 ekW (42 kVA).