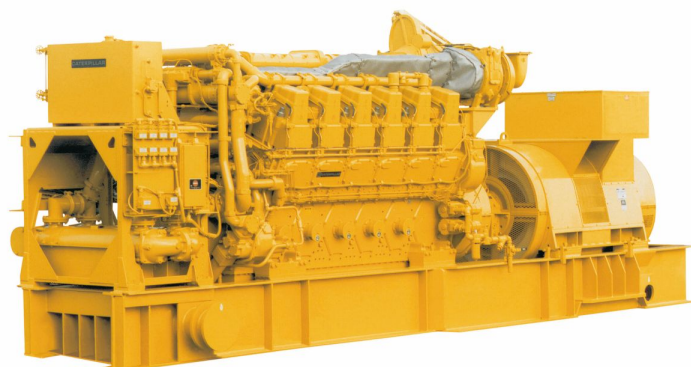




Caterpillar is leading the power generation marketplace with Power Solutions engineered to deliver unmatched flexibility, expandability, reliability, and cost-effectiveness.

Specifications

Generator Set Specifications

Minimum Rating	4700 kVA
Maximum Rating	7520 kVA
Frequency	50 Hz
Speed	720 & 1000 RPM

Generator Set Configurations

Emissions/Fuel Strategy	Low Fuel Consumption
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Engine Specifications

Engine Model	3616 V-16,4-Stroke Water-Cooled Diesel	
Compression Ratio	13:1	
Aspiration	TA	
Governor Type	Generator Set Monitoring System (GMS)	
Fuel System	Direct unit injection	
Bore	280 mm	11 in
Displacement	18.5 l	1127 in ³
Stroke	300 mm	11.8 in
Total Displacement	296 l	18032 in ³

Benefits and Features

Cat Diesel Engine

Reliable, rugged, durable design

Field-proven in thousands of applications worldwide

Four-stroke-cycle diesel engine combines consistent performance and excellent fuel economy with minimum weight

Generator

Matched to the performance and output characteristics of Cat engines
Industry leading mechanical and electrical design
Industry leading motor starting capabilities
High Efficiency

World Wide Product Support

Cat dealers provide extensive post-sale support including maintenance and repair agreements. Cat dealers have over 1,800 dealer branch stores operating in 200 countries. The Caterpillar S•O•SSM program cost effectively detects internal engine component condition, even the presence of unwanted fluids and combustion by-products

Full Range of Attachments

Wide range of bolt-on system expansion attachments, factory designed and tested Flexible packaging options for easy and cost effective installation

Standard Equipment

Air Inlet System

- Aftercooler, fresh water, corrosion resistant coated (air side)
- Air inlet shutoff
- Air cleaner
- Breather, crankcase, top-mounted
- Turbocharger, watercooled, engine oil lubricated

Cooling System

- Engine coolant water drains
- Front mounted turbos
- Three-bundle oil cooler
- Water temperature regulator
- Jacket water thermostats

Exhaust System

- 457 mm (18 in) Cat bolt pattern
- Dry, gas tight, exhaust manifold
- Includes adapter, flexible exhaust fitting

Fuel System

- Simplex or duplex

Generator System

- Custom generator per generator data sheet completed by Dealer

Governor System

- UG actuator

Lube System

- Centrifugal oil filters with single shutoff
- Service side engine mounted on cylinder block inspection covers
- Wet oil sump. Includes engine-driven main lubrication & oil pumps, oil lines and oil pan

- Oil filler and dipstick
- Oil pressure regulating valve
- Crankcase explosion relief valves

Mounting System

- Damper, torsional vibration
- Engine and generator mounting

Starting / Charging System

- Vane type air starter
- Two motors, engine mounted at rear, on left side
- Air silencer
- Line group for single point custom connection

General:

- Paint, Caterpillar yellow
- Gear driven pumps: Fuel / Oil / Jacket water / Aftercooler / Oil cooler water

Optional Equipment

Air Inlet System

- Soot filter
- Air cleaner louver assembly
- Vertical support bracket
- Heavy duty air cleaner
- Air inlet adapter
- Boost control valve

Cooling System

- Heat exchanger for single circuit
- Heating aids
- Cooling system aids
- Auxiliary water pump
- Expansion tank

Exhaust System

- Flexible exhaust fittings
- Weld flange and related hardware

Fuel System

- Fuel priming pump
- Duplex primary fuel strainer
- Fuel system connections

Generator System

- 3 Phase, six Leads, WYE

- Class F insulation
- Busbar connections
- Winding temperature detectors
- Anti-condensation space heaters

Governor System

- Electronic / actuators
- Digital programmers
- Battery backup / Power supply
- 230 UA
- 723 Plus
- EGB actuator

Lube System

- Oil pan drain valve
- Lube ANSI adapter (Emergency connection)

Mounting System

- Isolator
- Spring type vibration isolator
- Vertically restrained
- Non-vertically restrained

Starting / Charging System

- Pressure reducing valve
- Compressed air flex hose
- Turbine type air starters
- Redundant air starters

General:

- Custom paint colors

The International System of Units (SI) is used in this publication. CAT, CATERPILLAR, their respective logos, ADEM, EUI, S-O-S, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.