

# RELIABLE RENTAL POWER

## A RANGE OF CAT® MOBILE DIESEL GENERATOR SETS



Support uptime while meeting regulations with Cat® mobile diesel generator sets which meet EU Stage V emission standards. Cat Rental Power offers diesel generator sets capable of providing dependable and cost-effective energy while ensuring compliance with the latest regulations. Whether it's a special event, planned maintenance, a natural disaster or severe weather, trust Caterpillar for reliable solutions to keep operations running during any power interruption.

### Flexible Options

- Operate alone or in redundancy
- Place in-house or in remote locations
- Customised support from Cat Rental Power and dealers
- System design
- Equipment delivery and set up
- Ongoing technical service

### Ancillary Equipment Available

- Continuous power systems
- Cooling systems
- Air compressors

### Serving Many Sectors

- Industrial
- Events
- Food and beverage
- Manufacturing
- Oil and gas
- Utilities
- Commercial
- Refineries
- Agriculture
- Government
- Mining
- Marine
- Data centers
- Education

Model	Fuel	Key Specs	Page
XQP20 EU Stage V	Diesel	20 kVA, 50 Hz, 380 - 415 V	3
XQP115 EU Stage V	Diesel	115 kVA, 50/60 Hz, 220 - 480 V	4
XQP200 EU Stage V	Diesel	200 kVA, 50/60 Hz, 127 - 480 V	5
XQP310 EU Stage V	Diesel	310 kVA, 50/60 Hz, 127 - 480 V	6
XQP550 EU Stage V	Diesel	550 kVA, 50/60 Hz, 127 - 480 V	7



# Features

## Engine

Reliable Cat high performance diesel engines power these gensets to deliver industry-leading fuel efficiency and product life. Service points are positioned for safe, easy access. All gensets are shipped with engine oil and coolant.

## Water Ingress Protection

45 degree edge doors prevent rainwater collecting on the top. Arched door frames ensure any water will drain away from the generator set onto the floor. Rotational compression door latches provide positive door sealing. Sloping seals above doors prevent water collection, creating a better defense against inclement weather.

## Alternator

Designed to match performance and output characteristics of Cat diesel engines. Coastal insulation protection (100% protection against humidity); self (shunt) excitation; Class H temperature rise.

## Vibration Isolators

Rubber and pad anti-vibration mountings isolate tank base and control tower from engine/generator assembly.

## Rental-Ready Features

- Dual wall fuel tank with tie down points and robust skid plate base
- Forklift pockets
- Externally certified single point lift
- Robust busbar connection for lugged cable connection
- AC protected by limit switch on distribution door
- Enclosure protection
- Certified spark arrest system for the XQP20, XQP115, XQP200, XQP310, and XQP550
- Galvanised sheet steel construction enclosure

# Benefits

## Safe Connection To Site Loads

Power cubicles are located at the side/rear of the genset with cable terminations and suitably rated CEE form socket outlets with earth leakage protection.

## CEE Sockets

Power cubicles are located at the side/rear of the genset with cable terminations and suitably rated power outlets with individual protective switches.

## Long Run Time/24-Hour Tank

A redesigned fuel tank delivers improved performance, serviceability and maintenance access with increased protection against spills/bunded tank with leak protection switch. Reach fuel fill through lockable access doors. Remote fuel option through 3-way valves.

## Remote Monitoring

Enhance production, reduce costs and improve safety by monitoring and managing your fleet via Cat Connect. Track usage, view alarms, schedule maintenance and calculate total costs.

## Easy Transport

Drag bar and round base corners, forklift pockets, 4-point base lift and lifting arch, including all onboard liquids, enable swift relocation to your sites.

## Distribution System

Robust steel enclosure, separate hinged, lockable door with rust-resistant pinned hinges. Main circuit breaker 4-pole, shunt trip wired to distribution door safety switch. Two-wire remote start/stop terminals and 120-240 VAC auxiliary power connection for rapid starting.



# XQP20 EU Stage V

## MOBILE DIESEL GENERATOR SET

Rating Prime

**20 kVA**

Frequency

**50 Hz**

Voltage

**380 - 415 V**

The XQP20 generator set meets EU Stage V emission standards. It can handle varying load requirements across diverse regions and applications, including mining, manufacturing, oil and gas and construction.

### Benefits

- Environmentally friendly 110% spill containment of all engine fluids minimizes possibility for environmental damage on site
- Sound power 65 dba @ 7 M attenuation
- Power distribution 3-position switch for easy selection of desired output eliminates the need for reconnection to meet on-site requirements



Frequency (Hz)	Speed (rpm)	Voltage	Prime		Output Amps (A)	Breaker Rating (A)
			kVA	kW		
50	1500	415 / 240 V	20	16	31	40
		400 / 230 V	20	16	32	
		380 / 220 V	20	16	34	

Cat C2.2 Diesel Engine	Metric	Imperial (English)
Configuration	Inline 4-Cylinder, 4-Stroke-Cycle, Water Cooled, Diesel	
Bore	84 mm	3.3 in
Stroke	100 mm	3.9 in
Displacement	2.2 L	134 in <sup>3</sup>
Aspiration	Naturally Aspirated	
Compression Ratio	23.3:1	
Engine Speed	1500 rpm	
Fuel System	Indirect Injection	
Governor Type	Mechanical	
Fuel	See Fuel Specification Table	

# XQP115 EU Stage V

## MOBILE DIESEL GENERATOR SET

Rating Prime

**115 kVA**

Frequency

**50/60 Hz**

Voltage

**220 - 480 V**

This XQP115 generator set meets EU Stage V emission standards. Each model delivers increased flexibility by easily switching between 50 and 60 Hz, which allows one machine to satisfy varying load requirements across diverse regions and applications, including mining, manufacturing, oil and gas and construction.

### Benefits

- Standard 500-hour oil change intervals maximise run time before routine service is required
- Optional selectable 50/60 hz operation for easy frequency switch via terminal link eliminates geographical limitations, allowing generator set to be used wherever it is needed



Frequency (Hz)	Speed (rpm)	Voltage	Prime		Output Amps (A)	Breaker Rating (A)
			kVA	kW		
50	1500	415 / 240 V	115	92	160	200
		400 / 230 V	115	92	166	
		380 / 220 V	115	92	175	
60	1800	480 / 277 V	125	100	150	200
		440 / 254 V	125	100	164	
		380 / 220 V	120	90	182	

Cat C4.4 Diesel Engine	Metric	Imperial (English)
Configuration	Inline 4-Cylinder, 4-Stroke-Cycle, Water Cooled, Diesel	
Bore	105 mm	4.13 in
Stroke	127 mm	5 in
Displacement	4.4 L	268 in <sup>3</sup>
Aspiration	Turbocharged-Aftercooled (TA)	
Compression Ratio	18.23:1	
Engine Speed	1500-1800 rpm	
Aftercooler Type	ATAAC	
Turbocharger	Single	
Fuel System	Direct Injection, Rotary Pump	
Governor Type	Electronic Governor, Mechanical Actuator	
Fuel	See Fuel Specification Table	



# XQP200 EU Stage V

## MOBILE DIESEL GENERATOR SET

Rating Prime	Frequency	Voltage
<b>200 kVA</b>	<b>50/60 Hz</b>	<b>127 - 480 V</b>

This XQP200 generator set meets EU Stage V emission standards. Each model delivers increased flexibility by easily switching between 50 and 60 Hz, which allows one machine to satisfy varying load requirements across diverse regions and applications, including mining, manufacturing, oil and gas and construction.

### Benefits

- Standard 500-hour oil change intervals maximise run time before routine service is required
- Flexible 3-way fuel valve extends run time provided by changeover from base tank to external bulk tank
- Optional selectable 50/60 hz operation for easy frequency switch via terminal link eliminates geographical limitations, allowing generator set to be used wherever it is needed



Frequency (Hz)	Speed (rpm)	Voltage	Prime		Output Amps (A)	Breaker Rating (A)
			kVA	kW		
50	1500	415 / 240 V	200	160	278	400
		400 / 230 V	200	160	289	
		380 / 220 V	190	152	289	
60	1800	480 / 277 V	225	180	271	400
		440 / 254 V	225	180	295	
		380 / 220 V	198	158	301	
		240 / 139 V	N/A	N/A	N/A	N/A
		220 / 127 V	N/A	N/A	N/A	

Cat C7.1 Diesel Engine	Metric	Imperial (English)
Configuration	Inline 6-Cylinder, 4-Stroke-Cycle, Water Cooled, Diesel	
Bore	105 mm	4.13 in
Stroke	135 mm	5.31 in
Displacement	7.01 L	427.8 in <sup>3</sup>
Aspiration	Twin Turbocharged - Air-to-Air Aftercooled (TTA)	
Compression Ratio	16.5:1	
Engine Speed	1500-1800 rpm	
Aftercooler Type	ATAAC	
Turbocharger	Twin	
Fuel System	Direct Injection	
Governor Type	Electronic ECM Controlled (A6E2)	
Fuel	See Fuel Specification Table	

# XQP310 EU Stage V

## MOBILE DIESEL GENERATOR SET

Rating Prime	Frequency	Voltage
<b>310 kVA</b>	<b>50/60 Hz</b>	<b>127 - 480 V</b>

The XQP310 generator set meets EU Stage V emission standards. Each model delivers increased flexibility by easily switching between 50 and 60 Hz, which allows one machine to satisfy varying load requirements across diverse regions and applications, including mining, manufacturing, oil and gas and construction.

### Benefits

- Standard 500-hour oil change intervals maximise run time before routine service is required
- Flexible 3-way fuel valve extends run time provided by changeover from base tank to external bulk tank
- Selectable 50/60 hz operation for easy frequency switch via terminal link eliminates geographical limitations, allowing generator set to be used wherever it is needed



Frequency (Hz)	Speed (rpm)	Voltage	Prime		Output Amps (A)	Breaker Rating (A)
			kVA	kW		
50	1500	415 / 240 V	310	248	431	630
		400 / 230 V	310	248	447	
		380 / 220 V	310	248	471	
60	1800	480 / 277 V	310	248	373	630
		440 / 254 V	310	248	407	
		380 / 220 V	310	248	471	
		240 / 139 V	N/A	N/A	N/A	N/A
		220 / 127 V	N/A	N/A	N/A	

Cat C9.3B Diesel Engine	Metric	Imperial (English)
Configuration	Inline 6-Cylinder, 4-Stroke-Cycle, Water Cooled, Diesel	
Bore	115 mm	4.53 in
Stroke	149 mm	5.87 in
Displacement	9.3 L	567.5 in <sup>3</sup>
Aspiration	Turbocharged-Aftercooled (TA)	
Compression Ratio	17.0:1	
Engine Speed	1500-1800 rpm	
Aftercooler Type	ATAAC	
Turbocharger	Single	
Fuel System	Direct Injection	
Governor Type	Electronic ECM Controlled (A6E2)	
Fuel	See Fuel Specification Table	

# XQP550 EU Stage V

## MOBILE DIESEL GENERATOR SET

Rating Prime	Frequency	Voltage
<b>550 kVA</b>	<b>50/60 Hz</b>	<b>127 - 480 V</b>



The XQP550 generator set meets EU Stage V emission standards. A unique feature is the introduction of clutch fan drive technology where the fan no longer needs to run continually at full speed and power. This saves additional fuel, while lowering noise output, an ideal feature when operating at lower loads, in cooler temperatures and, most importantly, in evenings when noise levels are most noticeable.

### Benefits

- Selectable 50/60 hz operation for easy frequency switch via terminal link eliminates geographical limitations allowing generator set to be used wherever it is needed
- Flexible 3-way fuel valve extends run time provided by changeover from base tank to external bulk tank
- Standard 500-hour oil change intervals maximise run time before routine service is required



Frequency (Hz)	Speed (rpm)	Voltage	Prime		Output Amps (A)	Breaker Rating (A)
			kVA	kW		
50	1500	415 / 240 V	550	440	765	1250
		400 / 230 V	550	440	794	
		380 / 220 V	500	440	836	
60	1800	480 / 277 V	588	470	707	1250
		440 / 254 V	588	470	772	
		380 / 220 V	588	470	893	

Cat C18 Diesel Engine	Metric	Imperial (English)
Configuration	Inline 6-Cylinder, 4-Stroke-Cycle, Water Cooled, Diesel	
Bore	145 mm	5.71 in
Stroke	183 mm	7.20 in
Displacement	18.1 L	1,104.5 in <sup>3</sup>
Aspiration	Turbocharged-Aftercooled (TA)	
Compression Ratio	16.0:1	
Engine Speed	1500-1800 rpm	
Aftercooler Type	ATAAC	
Turbocharger	Single	
Fuel System	Direct Injection	
Governor Type	Electronic ECM Controlled (A6E4)	
Fuel	See Fuel Specification Table	

Fuel Specifications

Specification Standard	Fuel Description
EU Stage V specifies Ultra Low Sulphur Diesel	<p>Ultra-Low Sulphur Diesel Only (ULSD) ULSD with a maximum fuel sulphur level of either 15 or 20 ppm is required.</p> <p>Cat diesel engines are required to use ULSD (ultra-low sulphur diesel fuel with 15 ppm of sulphur or less) or ULSD blended with the following lower-carbon intensity fuels** up to:</p> <ul style="list-style-type: none"><li>• 20% biodiesel FAME (fatty acid methyl ester)*</li><li>• 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels</li></ul> <p>Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details.</p> <p>*Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).</p> <p>**Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.</p>

