



# XQ Line Rental Package

## Sound Attenuated

350 kW  
225 kW  
125 kW

Prime Power including 10% overload

## FEATURES

### ■ ENCLOSURE – SOUND ATTENUATED

Made with 12 gauge steel. Includes single point lifting eye. Sound levels – low 70s dbA @ 7 m (22 ft) at no load. See chart on page 2 for specifics. Generator Set/ EMCP II Repower Kits available for repower.

### ■ RUGGED DESIGN FOR RENTAL ENVIRONMENT

Packages designed to survive in rugged and maintenance starved environments.

### ■ EMCP II CONTROL PANEL

Shock mounted with panel lights.

### ■ RELIABLE, FUEL EFFICIENT DIESEL

The compact, four-stroke-cycle diesel engine combines durability with minimum weight while providing dependability and economy.

### ■ MULTI-VOLTAGE DISTRIBUTION PANEL WITH LOCKABLE DOORS

Rust-free hinges on side opening doors. Adequate space for line and plug connection without interference when door is closed.

### ■ EPA AND CARB CERTIFIED

XQ350, XQ225, and XQ125 emission certified for non-road mobile applications.



Arrangement shown with optional trailer with pintle hitch.



## XQ350, CATERPILLAR® 3406 ENGINE

I-6, Four-Stroke-Cycle Watercooled Diesel  
Bore — mm (in)..... 137 (5.4)  
Stroke — mm (in) ..... 165 (6.5)  
Displacement — L (cu in) ..... 14.6 (893)  
Compression Ratio ..... 14.5:1  
Aspiration ..... Turbocharged-Aftercooled

## XQ225, CATERPILLAR® 3306 ENGINE

I-6, Four-Stroke-Cycle Watercooled Diesel  
Bore — mm (in) ..... 121 (4.75)  
Stroke — mm (in) ..... 152 (6.0)  
Displacement — L (cu in) ..... 10.5 (638)  
Compression Ratio ..... 15:1  
Aspiration ..... Turbocharged-Aftercooled

## XQ125, CATERPILLAR® 3304 ENGINE

I-4, Four-Stroke-Cycle Watercooled Diesel  
Bore — mm (in)..... 121 (4.75)  
Stroke — mm (in) ..... 152 (6.5)  
Displacement — L (cu in) ..... 7.0 (425)  
Compression Ratio ..... 16:1  
Aspiration ..... Turbocharged-Aftercooled

### **Voltages available – 60 Hz 3406**

120/208, 277/480, 600, 139/240

### **3306 & 3304**

120/208, 139/240, 277/480, 600 (Adjustable a minimum of ±10%).

Some voltages require derating.

### **Caterpillar EMCP II Control Panel 24 Volt DC Control**

Vibration isolated  
NEMA 12 enclosure  
Dead front  
Lockable hinged door  
Generator instruments meet ANSI C-39-1



## XQ LINE RENTAL PACKAGE

### STANDARD EQUIPMENT

#### Generator Set Package

Air cleaner, dual element  
 Alternator, charging battery and mounting  
 Base, fuel tank skidable, 8 hour min.,  
   full load fuel capacity  
 Breather, crankcase oil, lubricating  
 EMCP II control panel  
 Enclosure, 12-gauge steel  
   with foam sound suppression  
 Fuel level gauge  
 Generator with VR3 voltage regulator  
 Guards, protection  
   alternator, fan, belts  
 Radiator, 112° F  
   coolant, 50% glycol  
 Turbocharged-aftercooled on XQ125, XQ225  
   & XQ350  
 Woodward electronic 524 governor on XQ125,  
   XQ225 & XQ350

#### Distribution Panel

Bus bar connections  
   easy access for connections through bottom of  
   unit, even when it is lowered to the ground  
 Lockable doors  
   side hinged lockable doors with rust-free pinned  
   hinges. Designed with adequate space to allow for  
   connection of the 250 volt twist lock plug with the  
   door closed.

#### Receptacles with Individual Circuit Breakers

1 - 240V, 50 amp  
 2 - 120V, 15 amp duplex  
 2 - 120V, 20 amp twist lock  
 Remote start/stop contacts

#### Main Circuit Breakers

Current transformers, hard mounted  
   built-in quick change 240/480V  
   voltage board on XQ350  
 Separate 240V and 480V bus bar sets on XQ225 &  
   XQ125 with both voltages available simultaneously  
 240V and 480V or 600V, CSA approved

### OPTIONAL EQUIPMENT

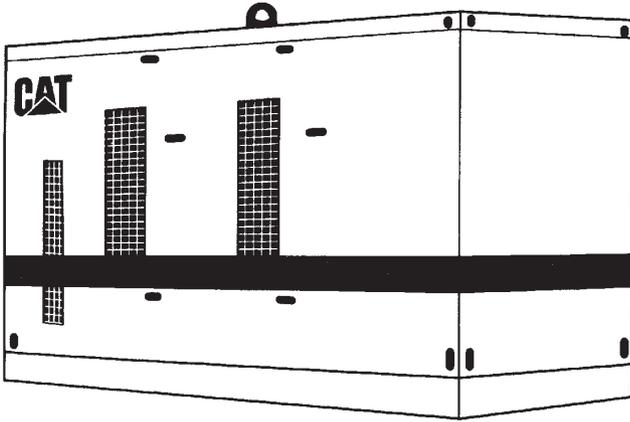
Trailer with adjustable hitches on XQ225 & XQ125  
 Air inlet shutoff  
 Battery charger  
 CSA approval  
 Jacket water heater  
 Space heater  
 Trailer with pintle hitch on XQ350

### TECHNICAL DATA

3406, 3306, 3304 Generator Sets		XQ350	XQ225	XQ125
Engine		3406	3306	3304
Prime power rating (w/10% overload) @ 0.8PF with fan	kW	350	225	125
Engine horsepower	bhp	519	316	196
Aspiration		TA	TA	TA
<i>Dimensions with Trailer</i>				
Length	mm (in)	6147 (248)	5385 (221)	5385 (220)
Width	mm (in)	2388 (95)	1956 (75)	1956 (75)
Height (with lifting eye)	mm (in)	3531 (140)	2612 (103)	2612 (103)
Shipping weight (wet)	kg (lb)	6356 (14 000)	4990 (11 000)	4404 (9800)
Engine lubricating oil capacity	L (qts)	37.9 (40.0)	29.0 (31.0)	21.8 (23.0)
Engine coolant capacity w/radiator	L (gal)	89.1 (23.5)	45.5 (12.0)	31.8 (8.4)
Fuel tank capacity	L (gal)	758 (200)	530 (140)	530 (140)
Fuel consumption prime +10% load w/fan	L/hr (gph)	100.8 (26.6)	66.2 (17.5)	37.3 (9.9)
Fuel consumption (100% prime) w/fan	L/hr (gph)	92 (24.3)	59.9 (15.8)	33.8 (9.0)
Fuel consumption (75% prime) w/fan	L/hr (gph)	70.4 (18.6)	44.8 (11.9)	25.6 (6.8)
Running time @ 75% prime	hr	10.8	11.8	20.6
Sound level –	Prime +10%	dbA	74.1	68.8
	Prime @ 7 meters	dbA	73.2	68.4
	No Load @ 7 meters	dbA	69.6	64.9

## XQ LINE RENTAL PACKAGE

**CATERPILLAR®**



### Enclosure

12-gauge steel is durable, rugged and provides added sound suppression.  
 Pad-lockable doors prevent vandalism or unsafe operating conditions.  
 Powder-coated hinges, hinge gaskets and stainless steel hardware provide superior rust corrosion protection.  
 Separate vented battery compartment allows easy access to batteries which are housed in a separate, clean environment for longer life.  
 Vertical radiator and exhaust discharge plenum contributes to sound attenuation performance. Directs hot air and diffuses radiator discharge and exhaust gases upward, away from bystander and package. Allows for placement of radiator end next

	XQ350	XQ125 & XQ225
Length – mm (in)	4445 (175.0)	4039 (159.0)
Width – mm (in)	1550 (61.0)	1143 (45.0)
Height – mm (in) (to lifting eye)	2743 (108.0)	2210 (87.0)

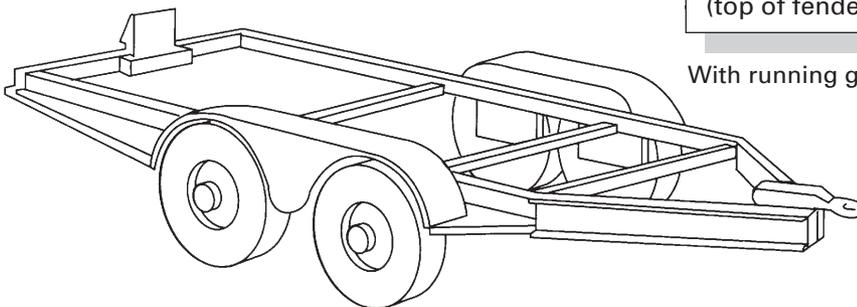
to a building or other obstruction that may restrict flow to the radiator.  
 Single point lifting arch for easy handling and lifting. Sound attenuation satisfies customer requirement for quiet rental units. Eliminates noise complaints.

### Fuel Tank Base

Full single shift capacity integral fuel tank allows maximum operating hours with minimum fuel servicing. Integral structural cross members provide controlled fuel load baffling and weight transfer during transit.  
 Fuel system filler and gauge group with overflow drain.  
 Fork lift pockets are 10" x 6" to accept largest forks for easy handling.

	XQ350	XQ125 & XQ225
Length – mm (in)	5144 (202.5)	4788 (188.5)
Width – mm (in)	2388 (94.0)	1956 (77.0)
Height – mm (in) (top of fender)	870 (34.25)	876 (34.5)

With running gear and short tongue



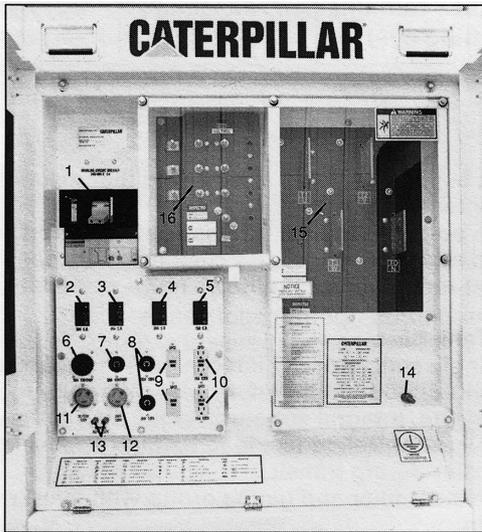
### Trailer Option

Independent trailer frame allows easy removal or installation using the same lifting equipment which handles the generator package. Trailer package is delivered road ready. Design allows tongue to bolt directly to frame and be towed away completely self-contained. Brakes and lighting do not require labor to bleed the brakes or reconnect the wiring. I.C.C. lighting, license plate bracket and standard mating connector meet Federal and Canadian codes for use throughout North America.

Hydraulic brakes have safety breakaway.  
 Full length fenders with skid tread keep generator package clean, provide safe footing. 3/8" dia. safety chains and forged grab hooks meet Federal and Canadian regulations and provide positive means to adjust to multiple towing vehicles for safe transportation.  
 Reinforced 5,000 lb rated, swivel mounted tongue jack eliminates tongue distortion and premature jack failure.  
 Parking brake standard on XQ350 and XQ225.

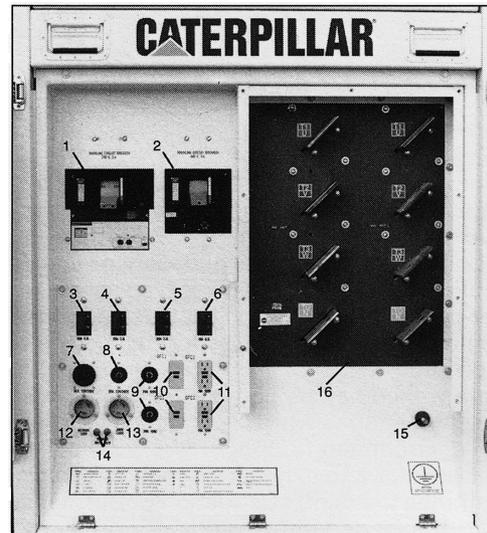
### DISTRIBUTION PANEL

- Locking distribution panel doors for vandal-proof operation or storage. Assures safe operation.
- Distribution panel labeling allows for inexperienced rental customers to safely identify output voltages.
- Output terminals spaced to allow for multiple output cable hook-up. Safety cover interlock does not allow unit to start unless safety cover is in place.
- Multiple voltage and amperage receptacles with individual circuit breakers for protection.
- EMCP II (Electronic Modular Control Panel) is shock mounted in separate enclosure compartment for easy viewing and servicing. Features exterior emergency stop button.
- A.C. male receptacles for optional jacket water heater, generator space heater, or battery charger safely provides shore power to keep the generator in ready-to-start status.



XQ350 – 240/480 volt distribution panel

1. 600/1200 amp adjustable trip on 240/480V unit
2. 50 amp 240V branch breaker
3. 20 amp 240V branch breaker
4. 20 amp 120V branch breaker
5. 15 amp 120V branch breaker
6. 50 amp 240V receptacle
7. 20 amp 240V receptacle
8. 20 amp 120V receptacle
9. 20 amp 120V ground fault interrupter
10. 15 amp 120V duplex receptacle
11. 30 amp 120V optional jacket water heater & battery charger receptacle
12. 30 amp 120V optional JWH receptacle
13. Remote start/stop contacts
14. 1/2" ground stud
15. Load connection bus board (1/4 x 4 x 4 bus bars)
16. Voltage change board shown in low voltage position



XQ125 & XQ225 – 240/480 volt distribution panel

1. XQ225: 800A main 240V  
XQ125: 500A main 240V
2. XQ225: 400A main 480V  
400A main 600V  
XQ125: 250A main 480V  
250A main 600V
3. 50 amp 240V branch breaker
4. 20 amp 240V branch breaker
5. 20 amp 120V branch breaker
6. 15 amp 120V branch breaker
7. 50 amp 240V receptacle
8. 20 amp 240V receptacle
9. 20 amp 120V receptacle
10. 20 amp 120V ground fault interrupter
11. 15 amp 120V ground fault interrupter duplex receptacle
12. 30 amp 120V optional battery charger/generator space heater receptacle
13. 30 amp 120V optional JWH receptacle
14. Remote start/stop contacts
15. 1/2" ground stud
16. Dual voltage load connection bus board (1/4 x 4 x 4 bus bars)

### RATING DEFINITIONS AND CONDITIONS

**Prime** — Output available with varying load for an unlimited time. Prime power in accordance with ISO8528. 10% overload power in accordance with ISO3046/1, AS2789, DIN6271, and BS5514 available on request.

**Ratings** are based on SAE J1349 standard conditions. These ratings also apply at ISO3046/1, DIN6271, and BS5514 standard conditions.

**Fuel rates** are based on fuel oil of 35° API (16° C or 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.). Lubricating oil — requires CF-4 oil.

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

Materials and specifications are subject to change without notice.

The International System of Units (SI) is used in this publication.