



## C32 20ft ENERGY CONTAINER

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

Designed for  
**PRIME C32 Generator Set**  
800 kW 1000 kVA  
**STANDBY C32 Generator Set**  
880 kW 1100 kVA  
**STANDBY C32 Generator Set**  
1000 kW 1250 kVA  
50 Hz 1500 rpm 400 Volts

### FEATURES

#### FUEL/EMISSIONS STRATEGY

- Meets most worldwide emission requirements without after treatment.
- Designed for maximum performance and minimum fuel consumption.

#### DESIGN CRITERIA

- Achieve a noise pressure of only **85dB(A) at 1 meter**.

#### FULL RANGE OF ATTACHMENTS

- Wide range of rugged features, system attachments, and factory designed.
- Loose shipped container for economic transportation.
- Flexible packaging options both for Dealer inventory and new order generator sets.

#### SINGLE-SOURCE SUPPLIER

- Fully prototype tested at certified ISO 9001 facility.

#### WORLDWIDE PRODUCT SUPPORT

- Worldwide parts availability through your Caterpillar dealer, with over 1800 dealer branch stores operating in 200 countries.

- Caterpillar dealer services technicians are trained to service every aspect of your electric power generation system.
- Customer Support Agreements offer back-to-back services from scheduled inspections and preventive maintenance to total maintenance and repair contracts.
- EAME-CIS Custom Power Solutions provide complete and abundant system.

#### CAT CONTAINER

- Cost effective and robust container with flexible packaging options.
- Sound attenuated ventilation system.
- Readily transportable **ISO high cube** 20ft container.
- Lloyds **CSC** (Convention for Safe Containers) certified for convenient transport and stackable storage.

## FACTORY INSTALLED STANDARD & OPTIONAL EQUIPMENT

System	Standard (Prime 1000kVA)	Standard (Standby 1250kVA)	Optional
Container	<ul style="list-style-type: none"> <li>• Standard Caterpillar decals</li> <li>• Standard/emergency lighting system</li> <li>• ISO container corner fittings</li> <li>• Forklift pockets</li> <li>• Coating for polluted, coastal and high humidity environment</li> </ul>	<ul style="list-style-type: none"> <li>• Standard Caterpillar decals</li> <li>• Standard/emergency lighting system</li> <li>• ISO container corner fittings</li> <li>• Forklift pockets</li> <li>• Coating for polluted, coastal and high humidity environment</li> </ul>	[ ] Generator set installation
Air Inlet	<ul style="list-style-type: none"> <li>• Fixed blade noise reduction louvers</li> <li>• Dual element air cleaners*</li> <li>• Weather hoods</li> </ul>	<ul style="list-style-type: none"> <li>• Fixed blade noise reduction louvers</li> <li>• Dual element air cleaners*</li> <li>• Weather hoods</li> </ul>	
Cooling	<ul style="list-style-type: none"> <li>• Horizontal air flow</li> <li>• Coolant drain line piped to the exterior</li> <li>• Coolant manual operated pump</li> </ul>	<ul style="list-style-type: none"> <li>• Horizontal air flow</li> <li>• Coolant drain line piped to the exterior</li> <li>• Coolant manual operated pump</li> <li>• Jacket water heater*</li> </ul>	
Exhaust	<ul style="list-style-type: none"> <li>• Rectangular internal exhaust silencer</li> <li>• Raincap</li> <li>• Removal exhaust thimble</li> <li>• Heat shield*</li> <li>• Flange and exhaust expander*</li> <li>• Flexible fitting*</li> </ul>	<ul style="list-style-type: none"> <li>• Rectangular internal exhaust silencer</li> <li>• Raincap</li> <li>• Removal exhaust thimble</li> <li>• Heat shield*</li> <li>• Flange and exhaust expander*</li> <li>• Flexible fitting*</li> </ul>	
Fuel	<ul style="list-style-type: none"> <li>• Fuel feed/return lines piped to the exterior</li> <li>• Fuel tank</li> </ul>	<ul style="list-style-type: none"> <li>• Fuel feed/return lines piped to the exterior</li> <li>• Fuel tank</li> </ul>	
SR5 Generator*	<ul style="list-style-type: none"> <li>• Class H insulation</li> <li>• 1423 frame</li> <li>• Form wound winding</li> <li>• Permanent magnet excitation</li> <li>• Space heater*</li> </ul>	<ul style="list-style-type: none"> <li>• Class H insulation</li> <li>• 1424 frame</li> <li>• Random wound winding</li> <li>• Internally excited excitation</li> </ul>	
Diesel Engine*	<ul style="list-style-type: none"> <li>• C32 TA, V-12, 4-stroke water-cooling</li> <li>• ADEM™ A4 Governor</li> </ul>	<ul style="list-style-type: none"> <li>• C32 TA, V-12, 4-stroke water-cooling</li> <li>• ADEM™ A4 Governor</li> </ul>	
Power Termination	<ul style="list-style-type: none"> <li>• Bus bar, 1 access door</li> <li>• Grand plate</li> <li>• Bottom cable entry*</li> <li>• Circuit breaker, IEC-rated, 3 pole - RH*</li> </ul>	<ul style="list-style-type: none"> <li>• Bus bar, 1 access door</li> <li>• Grand plate</li> <li>• Bottom cable entry*</li> <li>• Circuit breaker, IEC-rated, 3 pole - RH*</li> </ul>	
Control Panels	<ul style="list-style-type: none"> <li>• EMCP 4.4 - rear mount*</li> <li>• Viewing window on control door</li> <li>• Emergency stop push bottom</li> </ul>	<ul style="list-style-type: none"> <li>• EMCP 4.4 - rear mount*</li> <li>• Viewing window on control door</li> <li>• Emergency stop push bottom</li> </ul>	
Lube	<ul style="list-style-type: none"> <li>• Oil drain line piped to the exterior</li> </ul>	<ul style="list-style-type: none"> <li>• Oil drain line piped to the exterior</li> </ul>	
Mounting	<ul style="list-style-type: none"> <li>• Generator set vibration isolators</li> </ul>	<ul style="list-style-type: none"> <li>• Generator set vibration isolators</li> </ul>	
Starting/Charging	<ul style="list-style-type: none"> <li>• 24 volt oversized battery*</li> <li>• Earthing stud</li> </ul>	<ul style="list-style-type: none"> <li>• 24 volt standard battery*</li> <li>• Earthing stud</li> </ul>	
General	<ul style="list-style-type: none"> <li>• CSC certification</li> <li>• EU Declaration of Conformity*</li> </ul>	<ul style="list-style-type: none"> <li>• CSC certification</li> <li>• EU Declaration of Conformity*</li> </ul>	[ ] Witness test

\*NOTE: Free issued by Dealer

## SPECIFICATIONS

### CAT CONTAINER

Length - mm	6 058.00 mm (20.0 ft)
Width - mm	2 438.00 mm (8.0 ft)
Height - mm	2 896.00 mm (9.6 ft)
Weight - kg	14 565 kg (32110lb)
Number of personnel access doors	2
Number of EMCP access doors	1
Number of bus bar access doors	1
Number of EMCP control wirings	1
Paint finish	RAL9001
Stackable containers	3
Fuel in/out lines	RH
Lube oil line	RH
Cooling line	RH
Coolant manual operated pump	RH

## TECHNICAL DATA

C32 20ft Energy Conainer - - 1500 rpm/50 Hz/400 Volts	
<b>Generator Set Packaging Performance*</b>	
Genset Power rating @ 0.8 pf	1250kVA(Standby) 1000 kVA (Prime) / 1100 kVA (Standby)
Genset Power rating with fan	1000 eKW (Standby) 800 eKW (Prime) / 880 eKW (Standby)
<b>Operating Condition*</b>	
Ambient capability	+48 °C (1250kVA) /+51 °C (1100/1000kVA)
Altitude capability	200 masl
Sound pressure level	85 dB(A) at 1 m
<b>Fuel System</b>	
Fuel tank capacity	365 L

\*NOTE: Please consult TMI. Engine might derate.

## RATING DEFINITIONS AND CONDITIONS

**Meets or Exceeds International Specifications:**

ISO 668, 9001

BS4360: 43A, BSEN10152: 1994; DC01 +ZE25/25:A-C,

BS3900: Part F2

Lloyds MIG/MAG