

# **Exhibit 3**

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## **Generator Cut Sheets**



Picture shown may not reflect actual configuration

## Weather Protective and Sound Attenuated Enclosures

D40-6 to D200-2

D40-6S to D100-6S

### Features

#### Highly Corrosion Resistant construction

- Stainless steel flush fitting latches and hinges tested and proven to withstand extreme conditions of corrosion
- Zinc plated or stainless steel fastener

#### Excellent Access

- Single side access for service and controls
- All non-service sides have removable doors and/or panels
- Radiator fill access
- Lube oil and coolant drains piped to the exterior of the enclosure base
- Large cable entry area for installation ease
- Double doors on both sides
- Vertically hinged doors with solid bar door stays to hold doors in place when open

#### Security and Safety

- Lockable access doors which give full access to control panel and breaker
- Cooling fan and battery charging alternator fully guarded
- Fuel fill, oil fill, and battery can only be reached via lockable access
- Stub-up area is rodent proof

#### Transportability

- These enclosures are of extremely rugged construction to withstand outdoor exposure and rough handling common on many construction sites. The sound deadening material is of a self-extinguishing design
- This range of enclosures are designed on modular principles with many interchangeable components permitting on site repair

#### Options

- Weather Protective - constructed with 16 gauge steel; industrial silencer mounted within the main enclosure body
- Sound Attenuated Level 1 - constructed with 16 gauge steel; weather protective with critical silencer - silencer mounted in separate upward discharging radiator hood
- Sound Attenuated Level 2 - constructed with 16 gauge steel; weather protective with critical silencer and 100% lined with sound deadening material – silencer mounted in separate upward discharging radiator hood
- Sound Attenuated Aluminum constructed with 14 gauge Aluminum 5052 grade. Weather protective with critical silencer and 100% lined with sound deadening material – silencer mounted in separate upward discharging radiator hood
- Caterpillar Yellow\* or white paint
- UL Listed sub base tanks
- Externally mounted emergency stop button
- Seismic certification per applicable building codes: IBC 2000, IBC 2003, IBC 2006, IBC 2009, IBC 2012, CBC 2007, CBC 2010
- IBC certification for 180 mph wind loading

\*Not available with Aluminium enclosures

**Enclosure Sound Pressure Levels (SPL) at 100%**

Weather Protective Enclosure		Cooling Air Flow Rate		SPL @7m (23ft)
Model	Standby eKW	m³/s	cfm	dBA
D40-6	40	1.6	3475	72
D50-6	50	1.6	3475	72
D60-6	60	1.9	3920	75
D80-6	80	3.2	6696	79
D100-6	100	3.6	7564	81
D125-8	125	4.6	9676	78
D150-10	150	4.6	9676	79
D175-4	175	5.9	12431	84
D200-2	200	5.9	12431	89

SA Level 1 Enclosure		Cooling Air Flow Rate		SPL @7m (23ft)
Model	Standby eKW	m³/s	cfm	dBA
D40-6	40	1.7	3602	66
D50-6	50	1.7	3602	66
D60-6	60	1.8	3899	71
D80-6	80	3.2	6696	77
D100-6	100	3.2	6696	78
D125-8	125	4.2	8899	74
D150-10	150	4.2	8899	74
D175-4	175	5.6	11830	78
D200-2	200	5.5	11654	81

SA Level 2 Enclosure		Cooling Air Flow Rate		SPL @7m (23ft)
Model	Standby eKW	m³/s	cfm	dBA
D40-6	40	1.7	3602	65
D50-6	50	1.7	3602	66
D60-6	60	1.8	3899	69
D80-6	80	3.2	6696	75
D100-6	100	3.2	6696	76
D125-8	125	4.2	8899	74
D150-10	150	4.2	8899	74
D175-4	175	5.2	11018	74
D200-2	200	5.1	10806	75



SA Aluminum Enclosure		Cooling Air Flow Rate		SPL @7m (23ft)
Model	Standby eKW	m³/s	cfm	dBA
D40-6	40	1.7	3602	68
D50-6	50	1.7	3602	69
D60-6	60	1.8	3899	70
D80-6	80	3.2	6696	73
D100-6	100	3.2	6696	74
D125-8	125	4.2	8899	74
D150-10	150	4.2	8899	75
D175-4	175	5.2	11018	75
D200-2	200	5.1	10806	75

The sound pressure level data shown above is quoted as free field and is for guidance only. Actual levels produced may vary according to site conditions.

### Enclosure Dimensions and Weights

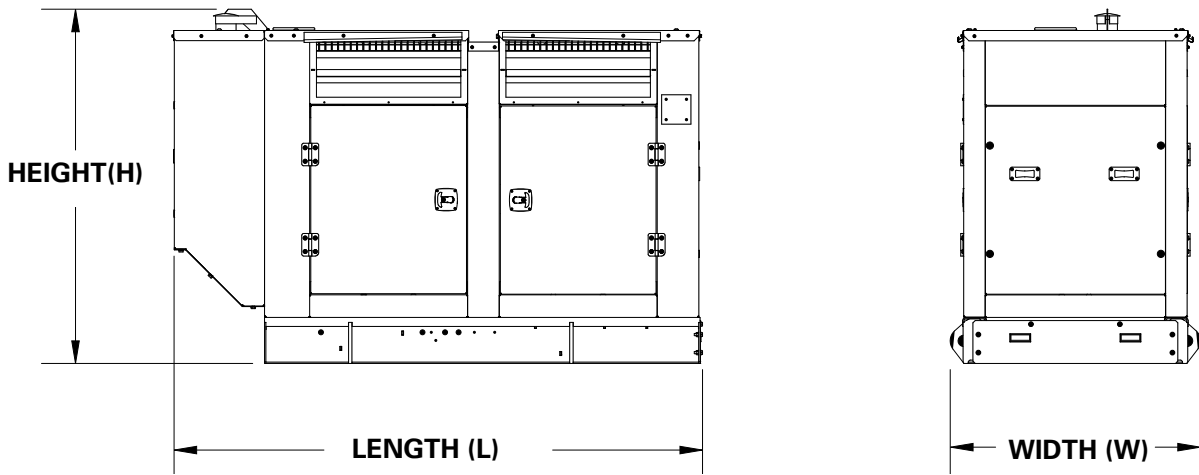


Image represents SA Level 1, SA Level 2 and SA Aluminum enclosures on skid base only

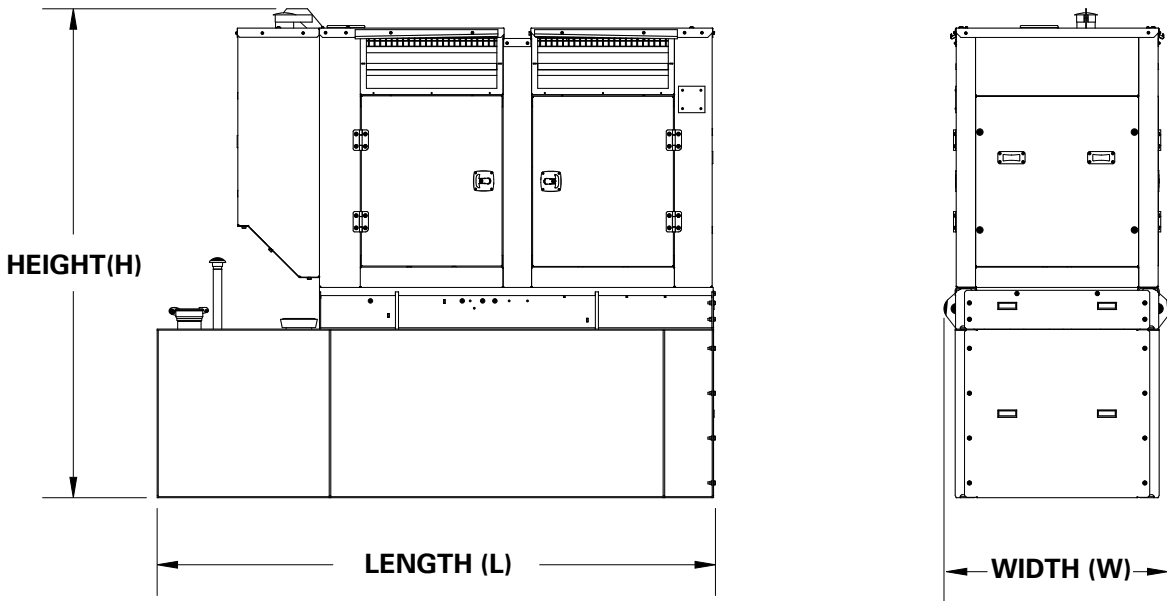


Image represents SA Level 1, SA Level 2 and SA Aluminum enclosures mounted on optional UL listed sub base tank

Model	Standby eKW	WP Industrial		SA Level 1		SA Level 2		SA Aluminum	
		kg	lb	kg	lb	kg	lb	kg	lb
D40-6	40	220	484	272	599	278	612	117	258
D50-6	50								
D60-6	60								
D80-6	80	263	580	313	690	321	708	142	312
D100-6	100								
D125-8	125								
D150-10	150	348	768	393	867	406	896	176	387
D175-4	175								
D200-2	200								

Enclosure weights (includes muffler)



Enclosure Dimensions Skid Bases

Engine Model	Generator Set Rating kW	Enclosure	Width 'W'		Length 'L'		Height 'H'	
			mm	in	mm	in	mm	in
C4.4	40	WP	1110	43.7	2055	80.9	1590	62.6
	50							
	60							
	40	SA Level 1, SA Level 2 and SA Aluminum	1110	43.7	2335	91.9	1570	61.8
	50							
	60							
C4.4	80	WP	1110	43.7	2523	99.3	1773	69.8
	100							
	80	SA Level 1, SA Level 2 and SA Aluminum	1110	43.7	2891	113.8	1852	72.9
	100							
C7.1	125	WP	1110	43.7	3204	126.1	1773	69.8
	150							
	175							
	200							
	125	SA Level 1, SA Level 2 and SA Aluminum	1110	43.7	3659	144.1	1852	72.9
	150							
	175							
	200							

## Enclosure Dimensions on UL Listed Sub Base Tanks

Engine Model	Generator Set Rating kW	Enclosure	146 Gallon Sub Base Tank				271 Gallon Sub Base Tank			
			Length 'L'		Height 'H'		Length 'L'		Height 'H'	
			mm	in	mm	in	mm	in	mm	in
C4.4	40	WP	2726	107.3	2087	82.1	2726	107.3	2417	95.1
	50									
	60									
	40	SA Level 1, SA Level 2 and SA Aluminum	2726	107.3	2067	81.4	2726	107.3	2397	94.4
	50									
	60									

Engine Model	Generator Set Rating kW	Enclosure	209 Gallon Sub Base Tank				394 Gallon Sub Base Tank			
			Length 'L'		Height 'H'		Length 'L'		Height 'H'	
			mm	in	mm	in	mm	in	mm	in
C4.4	80	WP	3447	135.7	2258	88.9	3447	135.7	2608	102.7
	100									
	80	SA Level 1, SA Level 2 and SA Aluminum	3447	135.7	2337	92.0	3447	135.7	2687	105.8
	100									

Engine Model	Generator Set Rating kW	Enclosure	402 Gallon Sub Base Tank				777 Gallon Sub Base Tank			
			Length 'L'		Height 'H'		Length 'L'		Height 'H'	
			mm	in	mm	in	mm	in	mm	in
C7.1	125	WP	4035	158.9	2420	95.3	5035	198.2	2706	106.5
	150									
	175									
	200									
	125	SA Level 1, SA Level 2 and SA Aluminum	4035	158.9	2499	98.4	5035	198.2	2785	106.5
	150									
	175									
	200									

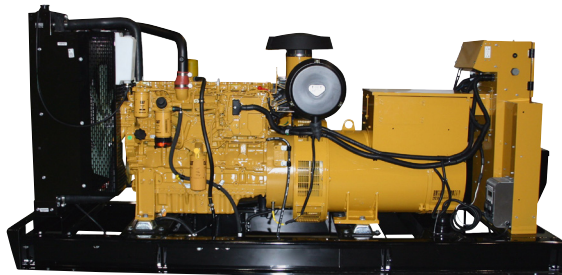
Note: Weight includes oil and coolant but not fuel

Ref: WPIA, WPIB, WPIC, SATCBA, SATCBB, SAT, CBC, SATFBA, SATFBB, SATFBC, ENCAL02, ENCAL03, ENCAL04.

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

Image shown may not reflect actual configuration

## Specifications

### Generator Set Specifications

Rating	200 ekW (250 kVA)
Voltage	480 Volts
Frequency	60 Hz
Speed	1800 rpm

### Generator Set Configurations

Emissions/Fuel Strategy	U.S. EPA Certified for Stationary Emergency Use Only (Tier 3 Nonroad Equivalent Emission Standards)
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### Engine Specifications

Engine Model	C7.1 In-line 6, 4-cycle diesel	
Bore	105 mm	4.13 in
Displacement	7.01 L	427.8 in <sup>3</sup>
Stroke	135 mm	5.31 in
Compression Ratio	16.5:1	
Aspiration	Turbocharged Air-to-Air-Aftercooled	
Governor Type	Electronic	
Fuel System	Common Rail	

### Package Dimensions\*

Length	3039 mm	119.7 in
Width	1110 mm	43.7 in
Height	1476 mm	58.1 in
Weight†	1839 kg	4054 lb

\*Note: For reference only – do not use for installation design. Please contact your local dealer for exact weight and dimensions.

†Weight includes: Oversize generator, skid base, circuit breaker, oil, and coolant.



## Benefits & Features

### Cat® Diesel Engine

- Reliable, rugged, durable design
- Four-stroke cycle diesel engine combines consistent performance and excellent fuel economy with minimum weight
- Electronic engine control

### Generator

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

### Cat EMCP Control Panel

The EMCP controller features the reliability and durability you have come to expect from your Cat equipment. EMCP 4 is a scalable control platform designed to ensure reliable generator set operation, providing extensive information about power output and engine operation. EMCP 4 systems can be further customized to meet your needs through programming and expansion modules.

### Seismic Certification

- Seismic certification available
- Anchoring details are site specific, and are dependent on many factors such as generator set size, weight, and concrete strength
- IBC certification requires that the anchoring system used is reviewed and approved by a professional engineer
- Seismic certification per applicable building codes: IBC 2000, IBC 2003, IBC 2006, IBC 2009, IBC 2012, CBC 2007, CBC 2010

### Design Criteria

- The generator set accepts 100% rated load in one step per NFPA 110 and meets ISO 8528-5 transient response
- Cooling system designed to operate in 50°C/122°F ambient temperatures with an air flow restriction of 0.5 in. water

### UL 2200/CSA – Optional

- UL 2200 Listed
- CSA Certified

Certain restrictions may apply. Consult with your Cat dealer.

### Single-Source Supplier

Fully prototype tested with certified torsional vibration analysis.

### Worldwide 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•S<sup>SM</sup> program cost-effectively detects internal engine component condition, even the presence of unwanted fluids and combustion by-products.

## Standard Equipment

### Air Inlet

- Dry replaceable paper element type with restriction indicator

### Cooling

- Radiator and cooling fan complete with protective guards
- Standard ambient temperatures up to 50°C (122°F)

### Exhaust

- Exhaust flange outlet

### Fuel

- Primary and secondary fuel filters
- Fuel priming pump
- Flexible fuel lines

### Generator

- Matched to the performance and output characteristics of Cat engines
- Load adjustment module provides engine relief upon load impact and improves load acceptance and recovery time
- IP23 protection
- Integrated Voltage Regulation

### Governor

- Electronic governor – ADEM™ A4

### Control Panels

- EMCP 4.2 Series generator set controller

### Mounting

- Rubber vibration isolators

### Starting/Charging

- 12 volt starting motor
- Batteries with rack and cables

### General

- Paint – Caterpillar Yellow except rails and radiators gloss black

## **Optional Equipment**

### **Exhaust**

- Industrial, residential, critical mufflers

### **Generator**

- Excitation: [ ] Permanent Magnet Excited (PM) [ ] Internally Excited (IE)
- Anti-condensation heater
- Oversize and premium generators

### **Starting/Charging**

- Battery charger – UL 10 amp
- Battery disconnect switch
- Jacket water heater

### **General**

- UL 2200
- CSA Certification
- Enclosures: sound attenuated, weather protective
- Sub-base dual wall UL Listed fuel tanks
- Automatic transfer switches (ATS)

**C7.1  
200 ekW/ 250 kVA/ 60 Hz/ 1800 rpm/ 480V/ 0.8 Power Factor**

**Rating Type: STANDBY**

**Emissions: U.S. EPA Certified for Stationary Emergency Use Only  
(Tier 3 Nonroad Equivalent Emission Standards)**



**D200-2  
200 ekW/ 250 kVA  
60 Hz/ 1800 rpm/ 480V**

Image shown may not reflect actual configuration

**Package Performance**

Generator Set Power Rating with Fan @ 0.8 Power Factor	200 ekW
Generator Set Power Rating	250 kVA

**Fuel Consumption**

100% Load With Fan	56.4 L/hr	14.9 g/hr
75% Load With Fan	45.8 L/hr	12.1 g/hr
50% Load With Fan	32.6 L/hr	8.6 g/hr

**Cooling System<sup>1</sup>**

Engine Coolant Capacity	9.5 L	2.5 gal
Radiator Coolant Capacity	11.5 L	3.0 gal
Engine Coolant Capacity with Radiator/Exp Tank	21.0 L	5.5 gal
Air Flow Restriction (System)	0.12 kPa	0.48 in water

**Inlet Air**

Combustion Air Inlet Flow Rate	15.8 m <sup>3</sup> /min	558 cfm
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**Exhaust System**

Exhaust Stack Gas Temperature	697°C	1287°F
Exhaust Gas Flow Rate	38.3 m <sup>3</sup> /min	1353 cfm
Exhaust System Backpressure (maximum allowable)	15.0 kPa	60.2 in water
Exhaust Flange Size (internal diameter)	89.0 mm	3.5 in

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<b>Heat Rejection</b>		
Heat Rejection to Coolant (total)	91.8 kW	5221 Btu/min
Heat Rejection to Exhaust (total)	183 kW	10407 Btu/min
Heat Rejection to Aftercooler	45.0 kW	2559 Btu/min
Heat Rejection to Atmosphere from Engine	35.3 kW	2019 Btu/min
Heat Rejection to Atmosphere from Generator	15.7 kW	892.8 Btu/min

<b>Alternator<sup>2</sup></b>		
Motor Starting Capability @ 30% Voltage Dip	454 skVA	
Frame	LC5014F	
Temperature Rise	130°C	234°F
Excitation	Self Excited	

<b>Lube System</b>		
Sump Refill with Filter	16.5 L	4.4 gal

<b>Emissions (Nominal)<sup>3</sup></b>	
NOx + HC	3.73 g/kW-hr
CO	1.31 g/kW-hr
PM	0.18 g/kW-hr

<sup>1</sup> For ambient and altitude capabilities consult your Cat dealer. Air flow restriction (system) is added to the existing restriction from the factory.

<sup>2</sup> Generator temperature rise is based on a 40°C (104°F) ambient per NEMA MG1-32.

<sup>3</sup> The nominal emissions data shown is subject to instrumentation, measurement, facility, and engine-to-engine variations. Emissions data is based on 100% Prime load. This information should not be used for permitting purposes and is subject to change without notice. Contact your Cat dealer for further details.

**C7.1  
200 ekW/ 250 kVA/ 60 Hz/ 1800 rpm/ 480V/ 0.8 Power Factor**

**Rating Type: STANDBY**

**Emissions: U.S. EPA Certified for Stationary Emergency Use Only  
(Tier 3 Nonroad Equivalent Emission Standards)**

## **DEFINITIONS AND CONDITIONS**

### **Applicable Codes and Standards:**

AS1359, CSA C22.2 No 100-04, UL142, UL489, UL601, UL869, UL2200, NFPA 37, NFPA 70, NFPA 99, NFPA 110, IBC, IEC60034-1, ISO3046, ISO8528, NEMA MG 1-22, NEMA MG 1-33, 72/23/EEC, 98/37/EC, 2004/108/EC.

**STANDBY:** Output available with varying load for the duration of the interruption of the normal source power. Average power output is 70% of the standby power rating. Typical operation is 200 hours per year, with maximum expected usage of 500 hours per year.

**Ratings** are based on SAE J1349 standard conditions. These ratings also apply at ISO3046 standard conditions.

**Fuel Rates** are based on fuel oil to specification EPA 2D 89.330-96 with a density of 0.845 – 0.850 kg/L (7.052 – 7.094 lbs/U.S. gal.) @ 15°C (59°F) and fuel inlet temperature 40°C (104°F).

Additional ratings may be available for specific customer requirements, contact your Cat representative for details.

Performance No.: P4364A-00  
Feature Code: NAC144P  
Generator Arrangement: 3932561  
Date: 07/07/2015  
Source Country: U.S.  
LEHE0511-01

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