

SOUTHEASTERN CONSULTING ENGINEERS, INC.
600 MINUET LANE
CHARLOTTE, NORTH CAROLINA 28217
N.C. LICENSE NO. F-0181

PROPOSALS
FOR THE
SALE OF ONE (1) SURPLUS GENERATOR
FROM
CITY OF CONCORD
CONCORD, NORTH CAROLINA
BID NO. 2489

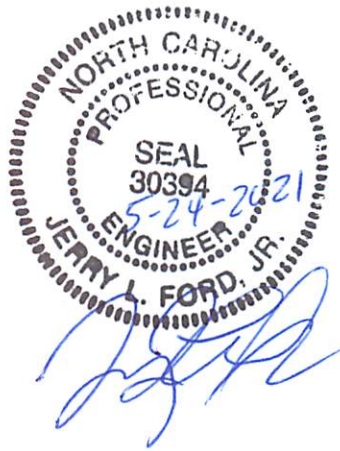


Table of Contents

<u>Title</u>	<u>Section</u>	<u>Number of Pages</u>
Notice and Instructions to Bidders	NB	2
Proposal	P	2
Description of Surplus Equipment	S	2
Attachments		

NOTICE AND INSTRUCTIONS TO BIDDERS

1. Sealed proposals for the purchase and removal of one (1) surplus generator will be received by the City of Concord, North Carolina, on or before 2:00 PM, Thursday, June 17, 2021, in the Ready Room of the Brown Operations Center at 635 Alfred M. Brown, Jr. Ct. SW, Concord, North Carolina 28025, at which time and place the proposals will be publicly opened and read.

2. Prospective bidders are invited to attend an optional pre-bid meeting:

Date: Thursday, June 3, 2021

Time: 10:00 AM

Location: Generator Site (behind City Hall)
41 Cabarrus Avenue W.
Concord, North Carolina 28027

3. Proposals and all supporting documents required to be attached thereto must be submitted in a sealed envelope addressed to:

City of Concord
Alfred M. Brown Operations Center
635 Alfred M. Brown, Jr. Ct. SW
Concord, North Carolina 28026
Attention: Susan Sessler

The name and address of the Bidder and the date and hour of the opening of bids must appear on the envelope in which the proposal is submitted.

4. The successful Bidder will be required to enter into an agreement with the City of Concord, North Carolina and to furnish all forms necessary to insure the proper disposition of the generator.

5. The successful Bidder will be required to remove the generator and attached fuel tank within 14 days upon notification of availability by the City.

6. The City of Concord, North Carolina reserves the right to reject any and all bids.

7. The successful Bidder will be responsible for removing the generator from its current location at: 41 Cabarrus Avenue W., Concord, North Carolina 28027.

8. The successful Bidder must provide payment a minimum of ten days prior to removing the generator.

9. The City of Concord will notify the successful Bidder when the generator is available for removal. (Anticipated available: August/September).

CITY OF CONCORD
CONCORD, NORTH CAROLINA
Owner

SOUTHEASTERN CONSULTING
ENGINEERS, INC.
Engineer

Date: May 17, 2021

PROPOSAL

TO: CITY OF CONCORD
CONCORD, NORTH CAROLINA

GENTLEMEN:

The undersigned has carefully examined the annexed form of Notice and Instructions, Description of Surplus Equipment and hereby declares that he will take possession of the generators, in the manner prescribed by all Local, State, and Federal agencies and provide certified copies of all disposition records to the City of Concord, North Carolina, and will pay said City the following amount for the surplus equipment.

<u>QTY</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
1	1250 kW, Cummins Model: DFLC-5738844 - Includes attached 4,200 gallon fuel tank (bottom-mounted)	\$ _____
	TOTAL	\$ _____

PROPOSAL (Continued)

Additional Comments, or Explanations

Title

Date

Bidder

By _____

Address

DESCRIPTION
OF
SURPLUS EQUIPMENT

A. SCOPE

The intent of this description of surplus equipment is to obtain a bid for one (1) surplus generator hereinafter described.

B. GENERATOR RATINGS AND INFORMATION

a. One (1) DFLC Model

Location: 41 Cabarrus Avenue W., Concord, NC 28207 (behind City Hall)

This generator was originally manufactured by Cummins in 2005. It is rated at 1250 kW (1562.5 kVA), 60 Hz.

Additional Information:

Engine: Cummins Model KTA50-G3

Fuel Capacity: 4,200 gal.

Genset Dimensions: 19' (L) x 8' (W) x 8' (H)

Genset Approximate Weight (Dry): 24,000 lbs.

Runtime Hours:

367 hrs.

Note: Generator will remain in service until the completion of the current replacement project. Runtime hours are subject to change. Anticipated completion: August/September

One (1) attached 4,200 gal. fuel tank (bottom-mounted)

One (1) aluminum enclosure (approximate dimensions: 25' (L) x 10' (W) x 10' (H))

Nameplate information, pictures and specifications are also enclosed.

C. HISTORY

The generator is approaching twenty years of service. It has been maintained and tested weekly by the City of Concord and is currently functional.

D. INSPECTION

The generators may be inspected during the pre-bid meeting on Thursday, June 3, 2021 at 10:00 AM.

E. REMOVAL & SHIPMENT

The successful Bidder shall be responsible for all shipping cost, including the disassembly and loading of the surplus equipment. The successful Bidder shall schedule a time to remove the surplus equipment within 14 days upon notification of availability by the City.

The City of Concord shall be responsible for removing excess fuel from the fuel tank.

The City of Concord shall be responsible for removing the existing electrical connection at the generator.

The successful Bidder shall be responsible for ensuring any residual fluids (oil, fuel, etc.) are contained within equipment before and during removal.

F. DRAWINGS

No original outline drawings for the generators are available. Pictures and Spec. sheets of the generators are enclosed.

G. SUBMITTAL DATA

The Bidder shall submit with the proposal the methods which will be utilized in the disposition of the generators (rebuild, scrap for metal, direct resale, etc.).

References and contact persons shall be provided on removal of similar size and type units.

ATTACHMENT I

PICTURES

City Hall / Police St.
Generator Surplus Sale

Police Dept.

City Hall

Generator Location

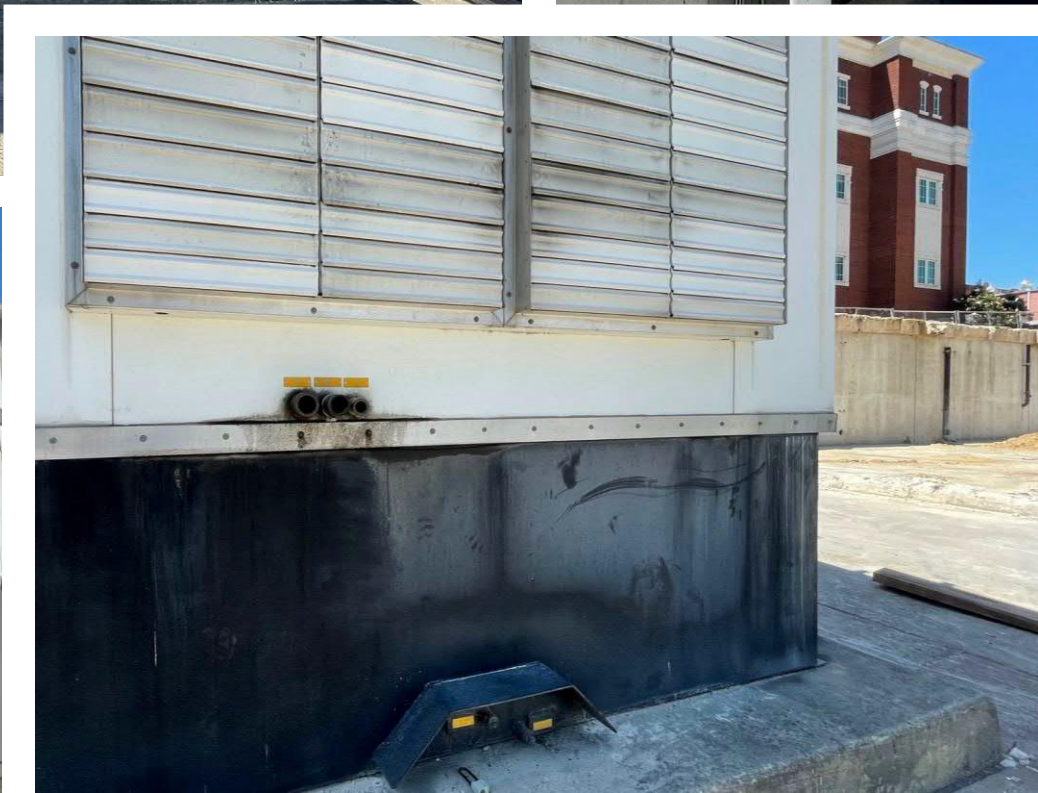
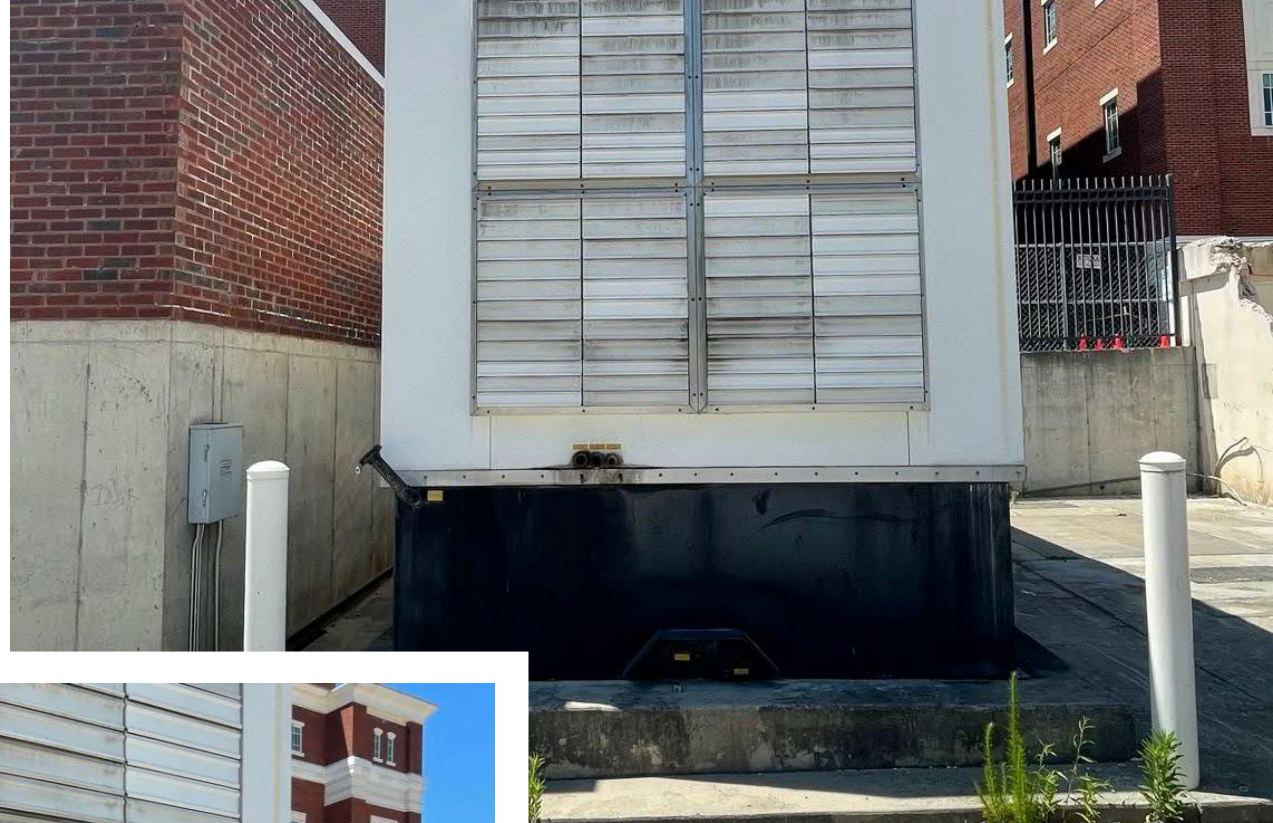
Spring St SW

Market St SW









ATTACHMENT II

SPEC-SHEET

Diesel Generator Set Model DFLC 60 Hz

1250 kW, 1563 kVA Standby
1100 kW, 1375 kVA Prime



Description

The Cummins Power Generation DF-series commercial generator set is a fully integrated power generation system providing optimum performance, reliability, and versatility for stationary standby or prime power applications.

A primary feature of the DF GenSet is strong motor-starting capability and fast recovery from transient load changes. The torque-matched system includes a heavy-duty Cummins 4-cycle diesel engine, an AC alternator with high motor-starting kVA capacity, and an electronic voltage regulator with three-phase sensing for precise regulation under steady-state or transient loads. The DF GenSet accepts 100% of the nameplate standby rating in one step, in compliance with NFPA110 requirements.

The standard PowerCommand[®] digital electronic control is an integrated system that combines engine and alternator controls for high reliability and optimum GenSet performance.

Optional coolant heaters improve starting in extreme operating conditions. A wide range of options, accessories, and services are available, allowing configuration to your specific power generation needs.

Every production unit is factory tested at rated load and power factor. This testing includes demonstration of rated power and single-step rated load pickup. Cummins Power Generation manufacturing facilities are registered to ISO9001 quality standards emphasizing our commitment to high quality in the design, manufacture, and support of our products. The generator set is CSA certified, and the PowerCommand control is UL508 listed.

All Cummins Power Generation systems are backed by a comprehensive warranty program and supported by a worldwide network of 170 distributors and service branches to assist you with warranty, service, parts, and planned maintenance support.

Features

- **UL Listed Generator Set** - The complete generator set assembly is available Listed to UL2200.
- **Cummins Heavy-Duty Engine** - Rugged 4-cycle industrial diesel delivers reliable power, low emissions, and fast response to load changes.
- **Permanent Magnet Generator (PMG)** - Offers enhanced motor starting and fault clearing short circuit capability.
- **Alternator** - Several alternator sizes offer selectable motor starting capability with low reactance 2/3 pitch windings; low waveform distortion with non-linear loads, fault clearing short-circuit capability, and class H insulation.
- **Control System** - The PowerCommand electronic control is standard equipment and provides total genset system integration, including automatic remote starting/stopping, precise frequency and voltage regulation, alarm and status message display, AmpSentry[™] protection, output metering, auto-shutdown at fault detection, and NFPA 110 compliance.
- **Cooling System** - Standard integral set-mounted radiator system, designed and tested for rated ambient temperatures, simplifies facility design requirements for rejected heat.
- **Structural Steel Skid Base** - Robust skid base supports the engine, alternator, and radiator.
- **E-Coat Finish** - Dual electro-deposition paint system provides high resistance to scratches, corrosion, or fading.
- **Certifications** - Generator sets are designed, manufactured, tested, and certified to relevant UL, NFPA, ISO, IEC, and CSA standards.
- **Warranty and Service** - Backed by a comprehensive warranty and world wide distributor network.

Generator Set

The general specifications provide representative configuration details. Consult the outline drawing for installation design.

Specifications – General

See outline drawing 500-3317 for installation design specifications.

Unit Width, in (mm)	89.6 (2277)
Unit Height, in (mm)	96.1 (2441)
Unit Length, in (mm)	222.5 (5652)
Unit Dry Weight, lb (kg)	23950 (10864)
Unit Wet Weight, lb (kg)	25160 (11413)
Rated Speed, rpm	1800
Voltage Regulation, No Load to Full Load	±0.5%
Random Voltage Variation	±0.5%
Frequency Regulation	Isochronous
Random Frequency Variation	±0.25%
Radio Frequency Interference	IEC 801.2, Level 4 Electrostatic Discharge IEC 801.3, Level 3 Radiated Susceptibility IEC 801.4, Level 4 Electrical Fast Transients IEC 801.5, Level 5 Voltage Surge Immunity MIL STD 461C, Part 9 Radiated Emissions (EMI)

Cooling	Standby	Prime
Fan Load, HP (kW)	75.0 (56.0)	75.0 (56.0)
Coolant Capacity with radiator, US Gal (L)	102.0 (386.1)	102.0 (386.1)
Coolant Flow Rate, Gal/min (L/min)	535.0 (2025.0)	535.0 (2025.0)
Heat Rejection To Coolant, Btu/min (MJ/min)	51000.0 (54.1)	44000.0 (46.6)
Heat Radiated To Room, Btu/min (MJ/min)	14040.0 (14.9)	12430.0 (13.2)
Maximum Coolant Friction Head, psi (kPa)	15.0 (103.4)	15.0 (103.4)
Maximum Coolant Static Head, ft (m)	60.0 (18.3)	60.0 (18.3)

Air	Standby	Prime
Combustion Air, scfm (m ³ /min)	3900.0 (110.4)	3700.0 (104.7)
Alternator Cooling Air, scfm (m ³ /min)	6720.0 (190.2)	6720.0 (190.2)
Radiator Cooling Air, scfm (m ³ /min)	68000.0 (1924.4)	68000.0 (1924.4)
Max. Static Restriction, in H ₂ O (Pa)	0.5 (124.5)	0.5 (124.5)

Rating Definitions

Standby Rating based on: Applicable for supplying emergency power for the duration of normal power interruption. No sustained overload capability is available for this rating. (Equivalent to Fuel Stop Power in accordance with ISO3046, AS2789, DIN6271 and BS5514). Nominally rated.

Prime (Unlimited Running Time) Rating based on: Applicable for supplying power in lieu of commercially purchased power. Prime power is the maximum power available at a variable load for an unlimited number of hours. A 10% overload capability is available for limited time. (Equivalent to Prime Power in accordance with ISO8528 and Overload Power in accordance with ISO3046, AS2789, DIN6271, and BS5514). This rating is not applicable to all generator set models.

Base Load (Continuous) Rating based on: Applicable for supplying power continuously to a constant load up to the full output rating for unlimited hours. No sustained overload capability is available for this rating. Consult authorized distributor for rating. (Equivalent to Continuous Power in accordance with ISO8528, ISO3046, AS2789, DIN6271, and BS5514). This rating is not applicable to all generator set models.

Site Derating Factors

Rated power available up to 5800 ft (1760 m) at ambient temperatures up to 104°F (40°C). Above 5800 ft (1760 m), derate at 4% per 1000 ft (305 m) and 1% per 10°F (2% per 11°C) above 104°F (40°C).

Engine

Cummins heavy duty diesel engines use advanced combustion technology for reliable and stable power, low emissions, and fast response to sudden load changes.

Electronic governing provides precise speed regulation, especially useful for applications requiring constant (isochronous) frequency regulation such as Uninterruptible Power Supply (UPS) systems, non-linear loads, or sensitive electronic loads. Optional coolant heaters are recommended for all emergency standby installations or for any application requiring fast load acceptance after start-up.

Specifications – Engine

Base Engine	Cummins Model KTA50-G3, Turbocharged and Aftercooled, diesel-fueled
Displacement in³ (L)	3067.0 (50.3)
Overspeed Limit, rpm	2100 ±50
Regenerative Power, kW	168.00
Cylinder Block Configuration	Cast iron, 60° V 16 cylinder
Cranking Current	1280 amps at ambient temperature of 32°F (0°C)
Battery Charging Alternator	45 amps
Starting Voltage	24-volt, negative ground
Lube Oil Filter Types	Five spin-on, full flow
Standard Cooling System	104°F (40°C) ambient radiator, standard

Power Output	Standby	Prime							
Gross Engine Power Output, bhp (kWm)	1850.0 (1380.1)	1635.0 (1219.7)							
BMEP at Rated Load, psi (kPa)	262.0 (1806.4)	232.0 (1599.6)							
Bore, in. (mm)	6.25 (158.8)	6.25 (158.8)							
Stroke, in. (mm)	6.25 (158.8)	6.25 (158.8)							
Piston Speed, ft/min (m/s)	1875.0 (9.5)	1875.0 (9.5)							
Compression Ratio	13.9:1	13.9:1							
Lube Oil Capacity, qt. (L)	177.0 (167.5)	177.0 (167.5)							
Fuel Flow									
Maximum Fuel Flow w/c180, US Gal/hr (L/hr)	165.0 (624.5)	165.0 (624.5)							
Maximum Fuel Flow w/c174, US Gal/hr (L/hr)	260.0 (984.1)	260.0 (984.1)							
Maximum Inlet Restriction, in. Hg (mm Hg)	4.0 (101.6)	4.0 (101.6)							
Maximum Return Restriction, in. Hg (mm Hg)	6.5 (165.1)	6.5 (165.1)							
Air Cleaner									
Maximum Air Cleaner Restriction, in. H ₂ O (kPa)	25.0 (6.2)	25.0 (6.2)							
Exhaust									
Exhaust Flow at Rated Load, cfm (m ³ /min)	9100.0 (257.5)	8400.0 (237.7)							
Exhaust Temperature, °F (°C)	887.0 (475.0)	860.0 (460.0)							
Max Back Pressure, in. H ₂ O (kPa)	27.0 (6.7)	27.0 (6.7)							
Fuel System	Direct injection, number 2 diesel fuel, fuel filter; automatic electric fuel shutoff								
Fuel Consumption	Standby	Prime							
60 Hz Ratings, kW (kVA)	1250 (1563)	1100 (1375)							
	1/4	1/2	3/4	Full	1/4	1/2	3/4	Full	
	US Gal/hr	25.9	46.0	65.9	87.3	23.6	41.6	58.7	76.9
	L/hr	98	174	249	330	89	157	222	291

Alternator

Several alternators are available for application flexibility based on the required motor-starting kVA and other requirements. Larger alternator sizes have lower temperature rise for longer life of the alternator insulation system. In addition, larger alternator sizes can provide a cost-effective use of engine power in across-the-line motor-starting applications and can be used to minimize voltage waveform distortion caused by non-linear loads.

Single-bearing alternators couple directly to the engine flywheel with flexible discs for drivetrain reliability and durability. No gear reducers or speed changers are used. Two-thirds pitch windings eliminate third-order harmonic content of the AC voltage waveform and provide the standardization desired for paralleling of generator sets. The standard excitation system is a PMG excited system.

Alternator Application Notes

Separately Excited Permanent Magnet Generator (PMG) System - This standard system uses an integral PMG to supply power to the voltage regulator. A PMG system generally has better motor-starting performance, lower voltage dip upon load application, and better immunity from problems with harmonics in the main alternator output induced by non-linear loads. This system provides improved performance over self-excited regulators in applications that have large transient loads, sensitive electronic loads (especially UPS applications), harmonic content, or that require sustained short-circuit current (sustained 3-phase short circuit current at approximately 3 times rated for 10 seconds).

Alternator Sizes - On any given model, various alternator sizes are available to meet individual application needs. Alternator sizes are differentiated by maximum winding temperature rise, at the generator set standby or prime rating, when operated in a 40°C ambient environment. Available temperature rises range from 80°C to 150°C. Not all temperature rise selections are available on all models. Lower temperature rise is accomplished using larger alternators at lower current density. Lower temperature rise alternators have higher motor-starting kVA, lower voltage dip upon load application, and they are generally recommended to limit voltage distortion and heating due to harmonics induced by non-linear loads.

Alternator Space Heater - is recommended to inhibit condensation.

Available Output Voltages

Three Phase Reconnectable

- 220/380
- 240/416
- 254/440
- 277/480

Three Phase Non-Reconnectable

- 220/380
- 277/480
- 347/600
- 2400/4160

Specifications – Alternator

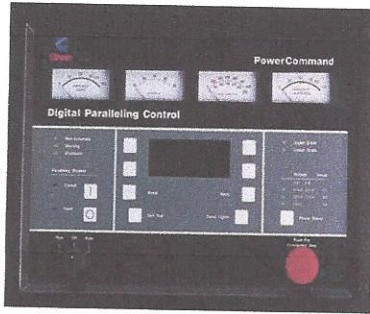
Design	Brushless, 4 pole, drip proof revolving field
Stator	2/3 pitch
Rotor	Direct coupled by flexible disc
Insulation System	Class H, standard, (low voltage) or Class F, optional, (medium voltage) per NEMA MG 1-1.65 and BS2757.
Standard Temperature Rise	125°C @ Standby, 105°C @ Prime
Exciter Type	Permanent Magnet Generator (PMG)
Phase Rotation	A (U), B (V), C (W)
Alternator Cooling	Direct drive centrifugal blower
AC Waveform Total Harmonic Distortion	<5% total no load to full linear load <3% for any single harmonic <50 per NEMA MG1-22.43 <3
Telephone Influence Factor (TIF)	
Telephone Harmonic Factor (THF)	

Three Phase Table ¹		80° C	80° C	80° C	105° C	105° C	105° C	105° C	125° C	125° C	125° C	125° C	
Feature Code		B284	B302	B314	B283	B301	B312	B313	B282	B288	B276	B300	
Alternator Data Sheet Number		315	315	323	315	314	322	322	314	314	313	313	
Voltage Ranges		220/380 Thru 277/480	347/600	4160	220/380 Thru 277/480	347/600	4160	4160	220/380 Thru 277/480	240/416 Thru 277/480	277/480	347/600	
Surge kW		1266	1275	1276	1266	1273	1273	1273	1262	1267	1264	1264	
Motor Starting kVA (at 90% sustained voltage)	PMG	6716	6716	7005	6716	5521	6204	6204	5521	5521	4602	4602	
Full Load Current - Amps at Standby Rating		<u>220/380</u> 2373	<u>240/415</u> 2168	<u>254/440</u> 2050	<u>277/480</u> 1879	<u>347/600</u> 1503	<u>2400/4160</u> 217						

Notes:

1. Single Phase Capability: Single phase power can be taken from a three phase generator set at up to 40% of the generator set nameplate kW rating at unity power factor.

Control System



Optional Features Shown

PowerCommand® Control with AmpSentry™ Protection

- AmpSentry Protection guards the electrical integrity of the alternator and power system from the effects of overcurrent, over/under voltage, under frequency and overload conditions.
- Control components are designed to withstand the vibration levels typical in generator sets.
- Integrated automatic voltage regulator and engine speed governor

Standard Control Description

- | | |
|---|--|
| <input type="checkbox"/> Analog % of current meter (amps) | <input type="checkbox"/> Panel backlighting |
| <input type="checkbox"/> Analog % of load meter (kW) | <input type="checkbox"/> Remote starting, 24 V, 2 wire |
| <input type="checkbox"/> Analog AC frequency meter | <input type="checkbox"/> Reset switch |
| <input type="checkbox"/> Analog AC voltage meter | <input type="checkbox"/> Run-Off-Auto switch |
| <input type="checkbox"/> Cycle cranking control | <input type="checkbox"/> Sealed front panel, gasketed door |
| <input type="checkbox"/> Digital display panel | <input type="checkbox"/> Self diagnostics |
| <input type="checkbox"/> Emergency stop switch | <input type="checkbox"/> Separate customer interconnection box |
| <input type="checkbox"/> Idle mode control | <input type="checkbox"/> Voltmeter/Ammeter phase selector switch |
| <input type="checkbox"/> Menu switch | |

Standard Protection Functions

Warnings

- High coolant temperature
- High DC voltage
- Low coolant temperature
- Low DC voltage
- Low fuel-day tank
- Low oil pressure
- Oil pressure sender fault
- Overcurrent
- Overload load shed contacts
- Temperature sender fault
- Up to four customer fault inputs
- Weak battery

Shutdowns

- Emergency stop
- Fail to crank
- High AC voltage
- High coolant temperature
- Low AC voltage
- Low coolant level (option for alarm only)
- Low oil pressure
- Magnetic pickup failure
- Overcrank
- Overcurrent
- Overspeed
- Short circuit
- Underfrequency

Standard Performance Data

AC Alternator

- Current by phase
- Kilowatts
- Kilowatt hours
- Power factor
- Voltage line to line
- Voltage line to neutral

Engine Data

- Battery voltage
- Coolant temperature
- Engine running hours
- Engine starts counter
- Oil pressure
- Oil temperature
- RPM

Generator Set Options

Engine

- 75 A battery charging alternator
- 208/240/480 V, coolant heaters
10,000 total W max.
- 208/240/480 V, coolant heaters
12,840 total W max.
- Bypass oil filter
- Dual 120 V, 300 W lube oil heaters
- Dual 208/240 V, 300 W lube oil
heaters
- Dual 480 V, 300 W lube oil heaters
- Fuel/water separator
- Heavy duty air cleaner w/service
indicator

Cooling System

- Heat exchanger cooling
- Remote radiator cooling
- Radiator, 50°C ambient

Alternator

- 80°C rise alternator
- 105°C rise alternator
- 120/240 V, 300 W anti-condensation
heater

Control Panel

- 120/240 V, 100 W control anti-
condensation space heater
- Exhaust pyrometer
- Fuel-pressure gauge
- Ground fault indication
- Paralleling configuration
- Paralleling upgrade configuration
- Remote fault signal package
- Run relay package

Exhaust System

- Critical grade exhaust silencer
- Exhaust packages
- Industrial grade exhaust silencer
- Residential grade exhaust silencer

Generator Set

- AC entrance box
- Batteries
- Battery charger
- Export box packaging
- Main line circuit breaker
- Paralleling accessories
- PowerCommand network
- Remote annunciator panel
- Spring isolators
- 2 year prime power warranty
- 2 year standby warranty
- 5 year basic power warranty
- 5 year comprehensive power
warranty
- 10 year major components warranty

Available Products and Services

A wide range of products and services is available to match your power generation system requirements. Cummins Power Generation products and services include:

- Diesel and Spark-Ignited Generator Sets
- Transfer Switches
- Bypass Switches
- Parallel Load Transfer Equipment
- Digital Paralleling Switchgear
- PowerCommand Network and Software
- Distributor Application Support
- Planned Maintenance Agreements

Warranty

All components and subsystems are covered by an express limited one-year warranty. Other optional and extended factory warranties and local distributor maintenance agreements are available. Contact your distributor/dealer for more information.

Certifications



ISO9001 - This generator set was designed and manufactured in facilities certified to ISO9001.



CSA - This generator set is CSA certified to product class 4215-01.



PTS - The Prototype Test Support (PTS) program verifies the performance integrity of the generator set design. Products bearing the PTS symbol have been subjected to demanding tests in accordance to NFPA 110 to verify the design integrity and performance under both normal and abnormal operating conditions including short circuit, endurance, temperature rise, torsional vibration, and transient response, including full load pickup.



UL - The generator set is available Listed to UL2200, Stationary Engine Generator Assemblies. The PowerCommand control is Listed to UL508 - Category NITW7 for U.S. and Canadian usage.

See your distributor for more information



Cummins Power Generation
1400 73rd Avenue N.E.
Minneapolis, MN 55432
763.574.5000
Fax: 763.574.5298
www.cumminspowergeneration.com

Cummins and PowerCommand are registered trademarks of Cummins Inc.
Detector and AmpSentry are trademarks of Cummins Inc.

Important: Backfeed to a utility system can cause electrocution and/or property damage. Do not connect generator sets to any building electrical system except through an approved device or after building main switch is open.

ATTACHMENT III

CUMMINS BILL OF MATERIALS



Search All Engines for:

gw356 (Distributor/Distributor) [My Profile](#) | [Contact Us](#) | [Logout](#)

[Parts](#) | [Service](#) | [Warranty](#) | [My Profile](#) | [Products](#) | [Promotions](#) | [News](#)

Engine Content

Content For Engine Serial Number (ESN):

- How do I locate my ESN?
- Engine Model Search
- Part Number Supersessions
- VIN To ESN Reference
- TSB Smart Filter

Generator Set / Alternator Content

Content for Serial Number (SN):

OR

Current Plant: CPG - USA
 Current Model: DSGAC
 Current Spec: M

Search by Plant, Model, or Spec

- [PGBU Model Information Page](#)
- [Literature Search](#)
- [PGBU Smart Filter](#)
- [Bill of Material - By Serial Number](#)
- [Bill of Material - By Part Number](#)
- [SRT User Tool](#)
- [DDA - Drawings](#)
- [Order Hardcopy Manuals](#)
- [PGBU Warranty System](#)

Information

- [Edit Shopping Cart](#)
- [Contact Us](#)
- [My QSOL Help Tickets](#)
- [Frequently Asked Questions](#)
- [Related Links](#)
- [Publications Catalog](#)

[Translations](#)
[Service Support in Extreme Conditions](#)

Training

My Applications

Cummins Power Generation - Bill of Materials

Please enter your Generator Set Serial Number to obtain the Bill of Materials (Example: E08KAMX280)

- Brazil - From November 4, 2007 to present.
- China - From July 2, 2008 to present.
- USA - From January 31, 1998 to present.
- India - From September 10, 2007 to present.
- Kent - From January 31, 2000 to present.
- Singapore - From January 13, 2007 to present.

Legend	
Feature	Meaning
A026D731	Blue text - Click for next level of BOM
A040H886	Black text - BOM at bottom level
0155-4122	Highlighted - Service part

Model	DFLC-5738844	Description	DIESEL GENSET
Feature	Description	Component Quantity	Component Serial Number
0099-2458-13	NAMEPLATE-GENSET	1	
0100-3799-03	ENGINE ACCESSORIES	1	
0100-3912-01	ENGINE-DIESEL	1	
0140-2500	IN STL-AIR CLNR	1	
0155-3496	MUFFLER (ACC LIST)	1	
0179-0752	IN STL-FUEL TRANSFER	1	
0179-1386-03	IN STL-LOW COOLANT	1	
0179-2285-04	IN STL-HEATER	1	
0179-2290	IN STL-OIL PAN HEATER	1	
0179-2356-08	IN STL-RADIATOR	1	
0179-2639-01	IN STL-ALTNTR	1	
0179-3087-02	HEATER IN STL	1	
0179-3111-02	CONTROL IN STL (DYNASTY)	1	
0179-3146	ACTUATOR IN STL (KEYED)	1	
0179-3234	ALARM IN STL (MODULE)	1	
0179-3446-02	TERMINAL BOX IN STL	1	
0179-3534-03	CIRCUIT BRKR BOX IN STL	1	
0179-3550-05A	LABEL IN STL (CIRCUIT BREAKER)	1	
0179-4194-63	TRANSFORMER IN STL	1	
0200-3128-01	GENERATOR ASSY	1	
0300-4564	IN STL-KEY OPERATOR	1	
	CONTROL ASSY	1	

0300-5459-06			
0326-0354	CODE-DES FEATURE PCC2100 (DFLC GAINS (P7))	1	
0326-5483	CODE-DES FEATURE PCC2100 (LONWORKS)	1	
0326-5484	CODE-DES FEATURE (PCC2100 APPLICATION TYPE STANDBY)	1	
0326-5488	CODE-DES FEATURE PCC2100 (PHASES- THREE)	1	
0326-5490	CODE-DES FEATURE PCC2100 (COOLANT LVL SW SHUTDOWN)	1	
0326-5566	CODE-DES FEATURE PCC2100 (WYE)	1	
0326-5579	CODE-DES FEATURE PCC2100 (VOLT SETTING 480VL-L)	1	
0326-5583	CODE-DES FEATURE PCC2100 (NO OIL TEMP SENDER)	1	
0326-5597	CODE-DES FEATURE PCC2100 (FREQ SETTING 60HZ)	1	
0326-5653	CODE-DES FEATURE PCC2100 (CUSTOMER INPUT RESPONSE)	1	
0326-5683	CODE-DES FEATURE PCC2100 (EXCITATION TYPE- PMG)	1	
0326-5694	CODE-DES FEATURE PCC2100 (OVERSPEED LIMIT- 2100)	1	
0326-5768	CODE-DES CONTROLLER PCC2100 (K50 ENGINES)	1	
0326-5777	CODE-DES FEATURE PCC2100 (1250/1120 STDBY (1100/1000PRIME)KW 3PH, 500/448STDBY (440/400PRIME)KW 2/5 1PH)	1	
0326-5783	CODE-DES FEATURE PCC2100 (CT RATIO 3943:1)	1	
0326-6213	CODE-DES FEATURE PCC2100 (RANGE 480V)	1	
0338-4186	HARNESS-AC (PMG)	1	
0338-4232	HARNESS-ENGINE PCC2100	1	
0403-4785-01	SKID ASSY (CHASSIS)	1	
0500-3805	CIRCUIT BREAKER OUTLINE	1	
0500-3821	INTERFACE OUTLINE (HEATER)	1	
0500-4001	GENSET OUTLINE	1	
0539-1128-03	INSTL-GENERATOR	1	
0546-2428	PARTS LIST-SHIPPING	1	
0546-2435	PARTS LIST-TEST ROOM	1	
0546-2488-14	PARTS LIST-TEST	1	
0546-2563-06	PARTS LIST-SHIPPING	1	
0612-6764	WD-CONTROL	1	
0620-0247	CONNECTION DIAGRAM (CUST)	1	
0630-2459-05	WD-GENSET (RECONNECT)	1	
0630-2574	WD-GENSET	1	
0878-0032	LAMINATE MATERIAL	1	
0998-0028-02	LITERATURE LIST	1	
0TS9-9090	TEST SPEC	1	
0TS9-9252	TEST SPEC	1	
1250DFLC	GENSET-DIESEL,60HZ,1250KW-STANDBY	1	
A293-2	HEATER-ALTERNATOR,240V	1	
A331-2	DUTY RATING-STANDBY POWER	1	
A333-2	BATTERY CHARGING ALTERNATOR-NO	1	
A334-2	ENGINE STARTER-24 VDC MOTOR	1	
A358-2	PACKING-NONE	1	

B600-2	ALT-60HZ,3PH,480V,105/80C-SP	1	
C127-2	SEPARATOR-FUEL/WATER	1	
C174-2	FUEL SYS-TRANSFERPUMP,POSFUELHEAD	1	
D041-2	ENGINE AIR CLEANER-NORMAL DUTY	1	
E082-2	ENG COOLING-RADIATOR,40C	1	
G023-2	SWITCH-KEY,CNTL OPER MODE	1	
H389-2	SHUTDOWN-LOW COOLANT LVL	1	
H479-2	ENG OIL HTR-208/240V,1PH	1	
H536-2	DISPLAY LANGUAGE-ENGLISH	1	
H557-2	COOLHTR-208TO480V,SUB40F	1	
H606-2	METERS-AC OUTPUT,ANALOG	1	
H643-2	SET CONTROL-PCC 2100	1	
KA08-2	ALARM-AUDIBLE,ENGSHUTDOWN	1	
KP60-2	INTERFACE-COMMUNICATIONSNTWK,FTT-10	1	
KP79-2	CKT BRKR OR ENTR BOX-LS, ONLY	1	
KP85-2	CB-2000A, 3P, 600/690V, UL/IEC, LEFT	1	
L031-2	GENSET WARRANTY-5 YR COMPRHNSIVE	1	
L050-2	LITERATURE-ENGLISH	1	
L090-2	LISTING-UL 2200	1	
LINE-0026	CAPACITY MOD(LINE26)	1	
LINE-1250- P0	CAPACITY MODULE	1	
R002-2	VOLTAGE-277/480,3 PHASE,WYE,4 WIRE	1	
SPEC-W	PRODUCT REVISION-W	1	

© 2019 Cummins Inc., Box 3005, Columbus, IN 47202-3005 U.S.A.
[Terms of Use and Disclaimers](#) | [Recommended System Requirements](#)
 Need Assistance? Please click on the Contact Us button in the top right corner of any page.