

PROPOSAL

- Okotoks proposal
- 1 x Diesel generator set 500 kw

Quotation No: 2024-89 Date: 01-24-2025

A Finning (Canada) a division of Finning International Inc.
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1. Equipment Supply Summary

Generator offering:

1 x 500 kw CAT Factory skin tight enclosure generator set.

CAT 500 ekW C15 Standby Diesel Generator Set Housed within Insulated, sound attenuated Lv 2, Factory Standard, weather protective enclosure. CAT standard sub-base fuel tank included. The model provided is the Caterpillar Model C15. EPA Tier 2 engine, 600V, 3Ph wye generator set. Proposal includes a – 40 C motorized intake louver heater system installed into the enclosure.

Generator set includes FAT testing, site commissioning and on hands training during site commissioning.

Freight to site included offloading by others.

Consist for C15 generator set below:

Air Inlet	• Aftercooler core, Turbocharger • Air cleaner – Light duty paper/element
Cooling	• Unit mount CAT standard radiator • Thermostats and housing, full open temp 92 degrees C • Jacket water pump, gear driven, centrifugal • Cat extended life coolant 50/50 mix • Engine pulley system will incorporate a safety guard.
Exhaust	• Exhaust flange outlet piped to enclosure placed silencer system which is CAT system critical grade silencer. Crank case filter system provided
Fuel	• Primary fuel filter w/ integral water separator and secondary fuel filter • Fuel priming pump • Engine fuel transfer pump • Fuel cooler • Flexible fuel lines
Generator	• Brushless, self-excited 2/3 pitch, random wound • Insulation Class H and temperature rise (105 C over 40C) • IP23 protection • Integrated Voltage Regulation • Excitation: Permanent Magnet Excited (PM) • 2 x 600 Amp right hand mounted 100% rated, LS or I electronic adjustable trip circuit breaker, 24 VDC shunt trip. Standard CAT KAIC rated breaker. Coordination study is by others.. breaker lugs provided are as per CAT standards only
Governor	• Electronic governor – ADEM™ A4

Lube System	• Lubricating oil • Oil Cooler, Filter & dipstick
Control Panels	• LEFT hand mounted only GC1.2 Series generator set controller (<i>Refer to spec sheet attached</i>) - Includes a Gen run & alarm relay common remote contacts, 2 amp VDC. Ethernet connection for monitoring provided.
Mounting	• Rubber vibration isolators
Starting/Charging	• 24 volt starting motor • 24VDC, 45Amp charging alternator • Lead acid Batteries with rack and cables, 25 Volt 2 x upgraded batteries • Battery charger – UL 10 amp* 120V • high efficiency Jacket water heater* 208/220/240 V • Generator anti-condensation heater* 120 V * Asterisk items require 120/240/208 V shore power by others, these items will be tied into the above enclosure load center for ease of termination.
Fuel tank	• 2820 Liter total capacity 24 hour (100% load) CAT Standard mounted, integral dual walled fuel tank. Please see attached fuel tank spec sheet for full list of features. Please see tank feature code FTDW037 We have included a 5 gallon spill containment fuel fill bucket, level, leak and fuel transmitter switches
Enclosure	• CAT standard Level 2 SA Weather proof enclosure as per spec sheet (please see attached) WHITE in color • 75 @ 7 M sound rating, please see enclosure spec sheet for full list of details and information. • -40C cold weather package included consist of 4 motorized intake louvers, 1 gravity discharge air damper with a enclosure space heater 120/240 terminate to the above load center.
General	• Paint – Caterpillar engine will be Yellow except rails and radiators gloss black • CUL Certification Spare parts provided as per spec with exception found below.

Factory Testing

Finning will perform a shop pre-delivery inspection (PDI) with a 4 hour load test remaining testing as per specification with noted exceptions below.

Site commissioning:

Please see below for a high-level breakdown of our commissioning activities. With our commissioning, you can expect to receive our CAT commissioning document, load test report, & functional test report – these are templates. The function testing would be for basic protection alarms & devices. (I.e. E-stop, overspeed, hi coolant, low oil pressure, overvoltage, undervoltage, etc.)

Onsite commissioning and start up assistances if taken, is per a 9 to 5 pm weekdays. If weekend and or after-hours testing is required a pro rate adder will apply.

Day 1:

- Installation checks
- Confirm all system checks
- Create & provide a commissioning deficiency list (if any)

Day 2:

- Continuation of set up & pre-energization checks.
- Electrical inspections for energization of equipment (Grounding, megger, check circuits, Battery Charger, Block heater etc.)
- Initial Start Up checks and verifications
- Connect load bank & cables

Day 3:

- Carry out functional test: test & verify basic shutdowns & alarms
- Carry out 4 hour full load test (Vibration checks)
- Carry out transfer switch test/cut-over (if available for us to do so)
- Provide customer's operators a brief orientation/training on genset operation
- Disconnect test equipment & clean up

1.1 CLARIFICATIONS AND EXCEPTIONS:

1. We do not offer a single line diagrams/drawing for all switches, metering and protective relays.
2. Spare parts provided. Clarification on the spare control parts. We will provide a spare fuses for every control relay for our provided control panel. We have not provided a spare main disconnect breaker for the generator set or the load bank breaker.
3. Exception taken to interpretation of ambient room testing with thermometer portion of field testing. exemption taken to Hi pot testing.
4. Section 2.2 general construction. As this is a self contain unit. the unit arrives with CAT standard factory neoprene isolator which are mounted between the generator set frame and sub base fuel tank. additional and spring isolators are not required nor needed to be placed on between the generator set and concrete pad.
5. Generator enamel finish is CAT standard finish and colors.
6. Signs are by others
7. No special tools required nor provided
8. Finishing and painted colors are CAT standard only
9. Exemption taken to 80C winding alternator; 105 degrees provided.
10. Exception taken to section 3.2 mounting. CAT standard built in isolators are provided the is no requirement to add isolators to the frame of the unit. please place generator set on a suitable slab of concrete and anchor down only. the isolators provided are 85 to 90% efficient from the factory. Mounting anchors are by others.
11. Instrumentation is viewable on control panel screen. We do not offer gauges
12. Engine Wiring is CAT standard
13. Muffler provided is CAT standard (Critical) which will grant an overall sound attenuation for 75 dba @ 7 meters field sound rating.

1.2 PROJECT PRICING OVERVIEW

EQUIPMENT	PRICE
CAT 500 ekW C15 Standby Diesel Generator Set Housed within Insulated, sound attenuated Lv 2, Factory Standard, weather protective enclosure. CAT standard sub-base fuel tank included. The model provided is the Caterpillar Model C15. EPA Tier 2 engine, 600V, 3Ph wye generator set. Generator set includes FAT testing, site commissioning and on hands training during site commissioning. Freight to site included offloading by others.	\$165,117.00 CAD plus taxes as per each Approved drawings are estimated at 6 weeks turnaround based at time of this quotation only. Approval drawing lead times will be adjusted based on current engineering resource during PO approval phase Generator set site delivery lead time (commissioning duration not included) will be 20-25 weeks. Generator set site delivery lead time is estimated at time of quotation. Lead times will be adjusted based on current Caterpillar factory production resources at time of production release. Please note, we will require one additional week to approve and process a PO

1.3 PRICING NOTES AND INCOTERMS

Proposal pricing, based on current posted US FX rate of \$1.44, which will be subject to adjustment at the time of order placement, is valid for 30 days. Any adjustments will be finalized upon completion of technical review, final pricing submission and order approval.

Finning will not be responsible for delays in supplying the products, goods or items, or any damages associated therewith, caused directly or indirectly by the COVID-19 pandemic, including, without limitation: delays due to border closures or restrictions; supply chain interruptions; acts of any governmental authority, regulatory body or health authority; reduced labour availability or labour shortages; or delays by contracted 3rd parties.

“TARIFFS AND DUTIES: If legislated changes to Canadian tariffs are introduced by Canada as counter measures including those of a retaliatory nature against the United States or another country that results in additional surtaxes being applicable to Equipment and Parts, additional escalation provisions will be required for final pricing. “

- Payment Term: COD
- Finning Standard terms will apply
- Delivery shall be customer pick up, Calgary
- Pricing excludes GST and other sale taxes and environmental levies;

1.4 PROGRESS PAYMENT SCHEDULE & CANCELLATION TERMS

Proposed milestone payment schedule shall be as follows.

- 20% Upon submission of drawings
- 80% Upon equipment being ready to ship

Proposed cancellation terms shall be as follows:

- 30% due if an order is cancelled following PO placement
- 100% due if an order is cancelled following order of equipment by Finning

1.5 WARRANTY:

Generator set Warranty:

Caterpillar Standard Stand by 2-year warranty provided with an additional 3 years of CAT extended Gold plan coverage.

1.6 GENERAL NOTES

- All site installation, installation materials & shipped loose items are customer responsibility
- All interconnect cabling as required is customer responsibility
- Only those items listed within this quote will be supplied
- Seismic anchor bolts and bolt installation/ base frame hole drilling by customer and bolts are by others.
- coordination study of breaker is by others
- generator sets will required a concrete pad!!!!
- Fuel for Field Startup and Load Testing and Post Test Fill is by Customer
- All interconnect cabling as required is customer responsibility
- Unit is based upon Caterpillar standards.
- Each unit Includes a Finning Shop PDI (pre delivery inspection)
- Freight to site is not included unless noted above. Each unit will be delivered to Finning shop for customer pick up, Finning can provide delivery as per cost adder if not already providing delivery above.
- Finning can offer Start up and Commissioning services as per cost adder unless included above.
- No separate credit or returns on shipped loose muffler and exhaust components.

2. Technical Specification

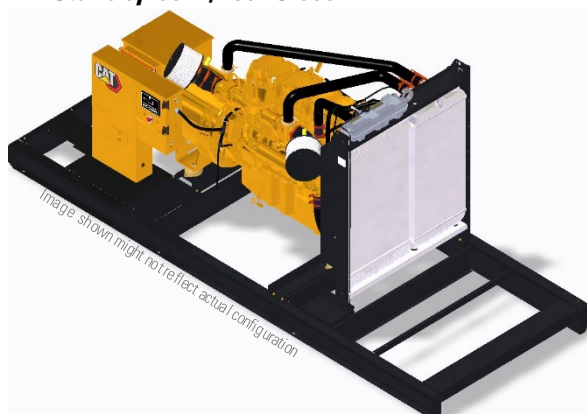
2.1 SPEC SHEETS



Cat® C15 GC DIESEL GENERATOR SETS



Standby: 60Hz, 480V & 600V



Engine Model	Cat® C15 ACERT™ In-line 6, 4-cycle diesel
Bore x Stroke	137mm x 171mm (5.4in x 6.8in)
Displacement	15.2 L (928 in³)
Compression Ratio	16.1:1
Aspiration	Turbocharged Air-to-Air Aftercooled
Fuel Injection System	MEUI
Governor	Electronic ADEM™ A4

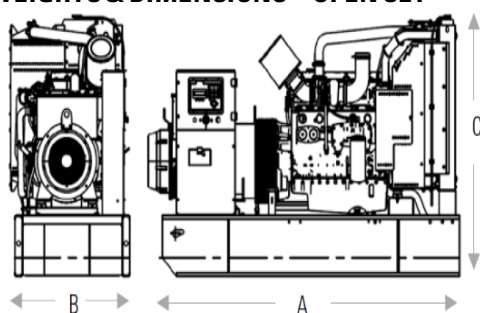
Standby	Performance Strategy
500 ekW, 625 kVA	EPA Certified for Stationary Emergency Application

PACKAGE PERFORMANCE

Performance	Standby	
Frequency	60 Hz	
Genset Power Rating	625 kVA	
Gen set power rating with fan @ 0.8 power factor	500 ekW	
Fuelling strategy	TIER 3	
Performance Number	DM8155	
Fuel Consumption		
100% load with fan	137.0 L/hr	36.2 gal/hr
75% load with fan	110.5 L/hr	29.2 gal/hr
50% load with fan	71.3 L/hr	18.8 gal/hr
25% load with fan	41.9 L/hr	11.1 gal/hr
Cooling System¹		
Radiator air flow restriction (system)	0.12 kPa	0.48 in. Water
Radiator air flow	720 m³/min	25426 cfm
Engine coolant capacity	20.8 L	5.5 gal
Radiator coolant capacity	54 L	14 gal
Total coolant capacity	75 L	20 gal
Inlet Air		
Combustion air inlet flow rate	38.2 m³/min	1347.7 cfm
Max. Allowable Combustion Air Inlet Temp	49 °C	120 °F
Exhaust System		
Exhaust stack gas temperature	531.1 °C	988.0 °F
Exhaust gas flow rate	102.1 m³/min	3605.5 cfm
Exhaust system backpressure (maximum allowable)	10.0 kPa	40.0 in. water
Heat Rejection		
Heat rejection to jacket water	182 kW	10375 Btu/min
Heat rejection to exhaust (total)	493 kW	28039 Btu/min
Heat rejection to aftercooler	121 kW	6860 Btu/min
Heat rejection to atmosphere from engine	91 kW	5182 Btu/min
Heat rejection from alternator	29 kW	1655 Btu/min

Emissions(Nominal) ²		Standby	
NO _x	2129.1 mg/Nm ³	4.6 g/hp-hr	
CO	301.5 mg/Nm ³	0.6 g/hp-hr	
HC	8.8 mg/Nm ³	0.03 g/hp-hr	
PM	9.5 mg/Nm ³	0.03 g/hp-hr	
Alternator ³		Standby	
Voltages	480V	600V	
Motor Starting Capability @ 30% Voltage Dip	1019	1103	
Current	751.8	601.4	
Frame Size	M3154L4	M3136L4	
Excitation	Shunt Excitation	AREP	
Temperature Rise	105°C	189°F	130°C 234°F

WEIGHTS & DIMENSIONS – OPEN SET



Base	Dim "A" mm (in)	Dim "B" mm (in)	Dim "C" mm (in)	Generator Set Weight kg (lb)
Skid (Wide Base)	4815 (189.6)	1630 (64.2)	2034 (80.1)	3756 (8280.6)
Integral Tank base	4815 (189.6)	1630 (64.2)	2584 (101.7)	4693 (10346.3)

FUEL TANK CAPACITY

Tank Design	Total Capacity		Useable Capacity	
	Litre	Gallon	Litre	Gallon
Integral	3671	969.7	3323	877.8

DEFINITIONS AND CONDITIONS:

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

² Emissions data measurement procedures are consistent with those described in EPA CFR 40 Part 89, Subpart D & E and ISO8178-1 for measuring HC, CO, PM, NO_x. Data shown is based on steady state operating conditions of 77° F, 28.42 in HG and number 2 diesel fuel with 35° API and LHV of 18,390 BTU/lb. The nominal emissions data shown is subject to instrumentation, measurement, facility and engine to engine variations. Emissions data is based on 100% load and thus cannot be used to compare to EPA regulations which use values based on a weighted cycle.

³ UL 2200 Listed packages may have oversized generators with a different temperature rise and motor starting characteristics. Generator temperature rise is based on a 40° C ambient per NEMA MG1-32.

APPLICABLE CODES AND STANDARDS:

AS1359, CSA C22.2 No100-04, UL142, UL489, UL869, UL2200, NFPA37, NFPA70, NFPA99, NFPA110, IBC, IEC60034-1, ISO3046, ISO8528, NEMA MG1-22, NEMA MG1-33, 2006/95/EC, 2006/42/EC, 2004/108/EC.

Note: Codes may not be available in all model configurations. Please consult your local Cat Dealer representative for availability.

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

Fuel Rates are based on fuel oil of 35° API [16° C (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/litre (7.001 lbs/U.S. gal.). Additional ratings may be available for specific customer requirements, contact your Caterpillar representative for details. For information regarding Low Sulfur fuel and Biodiesel capability, please consult your Cat dealer.

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SOUND ATTENUATED LEVEL 2

ENCLOSURES

D250GC – D600GC

60 Hz



Image shown might not reflect actual configuration

FEATURES

Robust/ Highly Corrosion Resistant Construction

- Factory installed on skid base or tanks base
- Environmentally friendly, polyester powder baked paint
- Enclosure constructed with 18-gauge steel
- Interior zinc plated fasteners
- Internally mounted exhaust silencing system
- Comply with ASCE/SEI 7 for Wind loads up to 100mph
- Designed and tested to comply with UL 2200 Listed generator set package

Excellent Access

- Large cable entry area for installation ease.
- Accommodates side mounted single or multiple breakers.
- Two doors on both sides.
- Vertically hinged allow 180° opening rotation
- Radiator fill cover.

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.
- Externally mounted emergency stop button (Optional).
- Designed for spreader bar lifting to ensure safety.
- Stub-up area is rodent proof.

Sound Attenuated Level 2

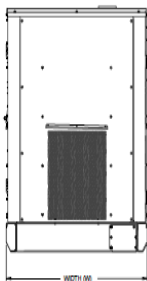
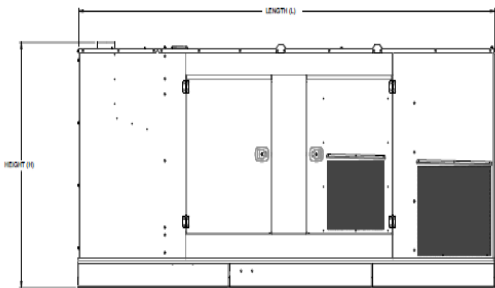
- Caterpillar white paint
- UL Listed integral fuel tank with 24 hours running time capacity (Optional).
- DC lighting package (Optional)

Enclosure Package Operating Characteristics

Enclosure Type	Standby ekW	Cooling Air Flow Rate		Ambient Capability*		Sound Pressure Levels (dBA) at 7m (23 ft)
		m³/s	cfm	°C	°F	100% Load
Level 2 Sound Attenuated Enclosure (Steel)	250	6.4	13561	57	135	74
	300	6.4	13561	51	125	74
	350	7.4	15680	57	134	71
	400	7.4	15680	53	127	71
	450	8.4	17692	54	130	73
	500	8.4	17692	50	122	73
	550	11.2	23731	56	133	73
	600	11.2	23731	53	127	73

*Cooling system performance at sea level. Consult your Cat® dealer for site specific ambient and altitude capabilities.
Note: Sound level measurements are subject to instrumentation, installation and manufacturing variability, as well as ambient site conditions.

DIMENSIONS



Sound Attenuated Enclosure on Skid Base

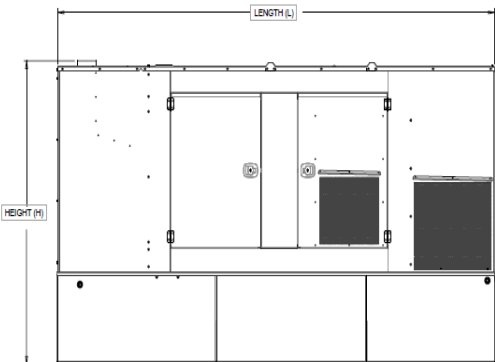
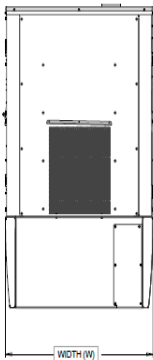


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Sound Attenuated Enclosure on a UL Listed Integral Fuel Tank Base

WEIGHTS & DIMENSIONS

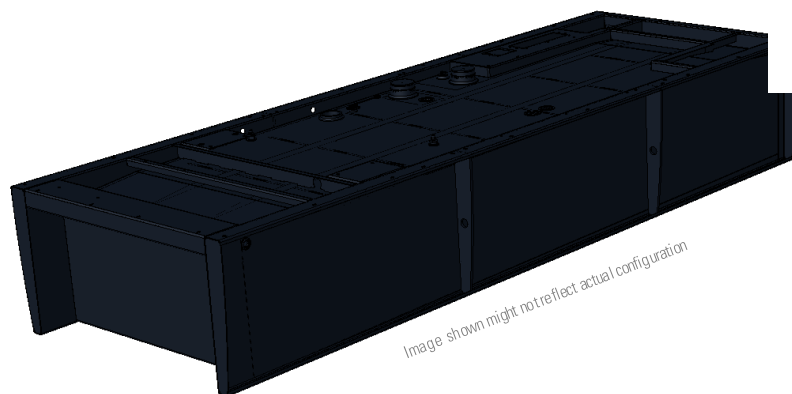
Enclosure Type	Standby Ratings, ekW	Length, L		Width, W		Height, H		Package Weights	
		mm	in	mm	in	mm	in	kg	lb
Sound Attenuated Enclosure on Skid Base	250	3958	155.8	1440	56.7	1991	78.4	2857	6298.6
	300							2945	6492.6
	350	4633	182.4	1630	64.2	2227	87.7	3983	8781.0
	400							4017	8856.0
	450	4823	189.8	1630	64.2	2777	109.3	4408	9718.0
	500							4457	9826.0
	550	4980	196.1	1865	73.4	2723	107.2	4754	10480.8
	600							4837	10663.8
Sound Attenuated Enclosure on UL Listed Integral Fuel Tank Base	250	3958	155.8	1440	56.7	2487	97.9	3497	7709.6
	300							3585	7903.6
	350	4633	182.4	1630	64.2	2644	104.1	4765	10505.0
	400							4799	10580.0
	450	4823	189.8	1630	64.2	2777	109.3	5345	11783.7
	500							5394	11891.7
	550	4980	196.1	1865	73.4	2723	107.2	5973	13168.2
	600							6056	13351.2

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INTEGRAL FUEL TANKS DE250 GC – DE600 GC

FEATURES

- UL Listed for United States (UL 142) and Canada (CAN/ULC S601)
- Facilitates compliance with NFPA 30 code, NFPA 37 and 110 standards and CSA C282 code
- Dual wall
- Low fuel level warning standard, customer configurable warning or shutdown
- Primary tank leak detection switch in containment basin
- Tank design provides capacity for thermal expansion of fuel
- Fuel supply dip tube is positioned so as not to pick up fuel sediment
- Fuel return and supply dip tube is separated by an internal baffle to prevent immediate re-supply of heated return fuel
- Pressure washed with an iron phosphate solution
- Interior tank surfaces coated with a solvent-based thin-film rust preventative
- Heavy gauge steel gussets with internal lifting rings
- Primary and secondary tanks are leak tested at 20.7 kPa (3 psi) minimum
- Compatible with open packages and enclosures
- Gloss black polyester alkyd enamel exterior paint
- Welded steel containment basin (minimum of 110% of primary tank capacity)
- Direct reading fuel gauge with variable electrical output
- Emergency vents on primary and secondary tanks are sized in accordance with NFPA 30.

INTEGRAL

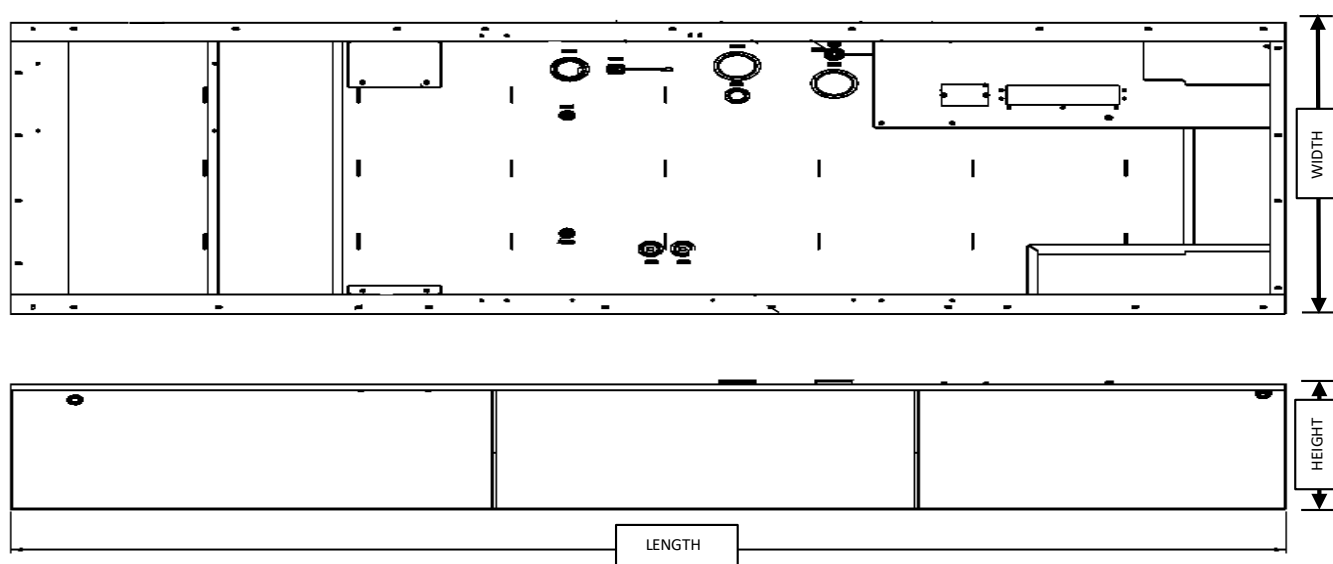
- Integral diesel fuel tank is incorporated into the generator set base frame
- Robust base design includes linear vibration isolators between tank base and engine generator.

OPTIONS

- Audio/visual fuel level alarm panel
- 5gal (18.9 L) spill containment
- Locking Fuel Fill
- Overfill prevention Valve

Integral Fuel Tank Base Useable Capacities with Fuel Tank Dimensions & Weights

Standby ekW	Width mm	Width in
250-300	1430	56.3
350-400	1630	64.1
450-500	1630	64.1
550-600	1865	73.4



The heights listed above do not include lumber used during manufacturing and shipping

A. Open Set & Sound Attenuated Enclosure

Tank Design	Feature Code	Total Capacity		Useable Capacity		Tank Only						Overall Package Height with Tank			
						Dry Weight		Height 'H'		Length 'L'		Open		Enclosure	
		Litre	Gallon	Litre	Gallon	kg	lb	mm	in	mm	in	mm	in	mm	in
Integral Tank	FTDW035	2270.7	599.8	2059.9	543.9	970	2138	762.4	30.0	3958	155.8	2202	86.7	2487	97.9
	FTDW036	2820	744.9	2553	674.4	1165	2568	818.8	32.2	4815	189.5	2584	101.7	2644	104
	FTDW037	3671	969.7	3323	877.8	1331	2934	668.2	26.3	4622	181.9	2456	96.7	2644	104
	FTDW038	4292	1133.8	3889	1027.3	1657	3653	816.4	32.1	4980	196	2560	100.7	2721	107.1

B. Estimated Run Time (Hours)

Tank Design	Feature Code	Standby Ratings (kVA)						
		ekW	100%		75%		50%	
			Hrs	L/hr	Hrs	L/hr	Hrs	L/hr
Integral Tank	FTDW035	250	28.1	73.3	35	58.8	47	43.8
		300	24	86.0	30.8	66.8	40	51.5
	FTDW036	350	27.1	94.3	31.2	81.9	42.4	60.2
		400	24.1	105.9	28.1	90.7	38.6	66.2
	FTDW037	450	25.2	131.7	31.3	106.1	42.0	79.1
		500	24.3	137	30.1	110.5	46.6	71.3
	FTDW038	550	25.7	151.1	32.9	118.1	45.2	86.1
		600	24.1	161.6	30.0	129.6	42.4	91.7

Tanks with full electrical stub-up area include removable end channel. Tanks with RH stub-up include stubup area directly below the circuit breaker or power terminal strips.

Fuel tanks and applicable options facilitate compliance with the following United States NFPA Code and Standards:

NFPA 30: Flammable and Combustible Liquids Code

NFPA 37: Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines

NFPA 110: Standard for Emergency and Standby Power Systems

Fuel tanks and applicable options facilitate compliance with the following Canadian Standard and Code:

CSA C282 – Emergency Electrical Power Supply for Buildings

CSA B139-09 – Installation Code for Oil-Burning Equipment



100 Amp Load Center

Image shown may not reflect actual package

Specifications

Number of spaces	6
Number of circuits	12
Number of tandem circuit breakers	6
System voltage	120/240VAC
NEMA degree of protection	NEMA 3R outdoor
Electrical connection	Lugs
Wiring configuration	3-wire
Material	Tin plated aluminum busbar
Enclosure material	Welded galvanized steel
Cover finish	Gray baked enamel
Product certifications	UL E-6294

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Image shown might not reflect actual configuration

BATTERY CHARGER

The intelligent battery charger has been developed with safety, usability, optimised battery performance and maximum battery lifetimes in mind.

A comprehensive range of input and output protections ensures a continued safe charging environment also enabling the use of the charger as a power supply.

FEATURES

- Intelligent two, three and four stage charging profiles
- Configurable to suit most battery types (12V/24V)
- Adjustable current limit
- Can be used as a battery charger, power supply or both at the same time
- Automatic or Manual boost and storage charge functions to help maintain battery condition
- Digital Microprocessor Technology
- Temperature compensation for battery charging
- Low Output Ripple and superb line regulation
- Three LED Indicators
- AC input Under voltage
- AC input Over voltage
- Battery charger output Over voltage
- Battery charger output Over current
- Optional battery temperature compensation with over temperature protection
- Output short circuit and Inversion polarity with auto recovery
- Configurable charge termination
- UL1236 /UL1564 Compliant

Automatic Boost Mode

- Boosts and equalises cell charge improving battery performance and life

Power Save Mode

- Once the battery is fully charged the chargers switch to Eco-Power to save energy

Communication

- Can be integrated into external systems through MODBUS RTU using RS485
- Fully configurable via PC Software

BENEFITS

- Fully flexible to maximise the life of the battery
- Suitable for a wide range of battery types
- Switched mode design
- Minimum 86% efficiency throughout full operating range
- No external intervention for boost mode
- Multiple chargers can be linked together to provide larger current output
- Can be permanently connected to battery and mains (utility) supply. No need to disconnect through high load conditions.

SPECIFICATION

AC SUPPLY

VOLTAGE RANGE 90 V to 305 V (L-N)

FREQUENCY RANGE

48 Hz to 64 Hz (L-N)

DC OUTPUT RATING

10 A DC at 24 V DC

RIPPLE AND NOISE

<1%

EFFICIENCY

>86%

REGULATION LINE

<0.5%

LOAD

2%

TEMPERATURE SENSOR INPUT

PT1000

PROTECTIONS

Short Circuit
DC Over Voltage
DC Over Current
Reverse Polarity
Over Temperature
AC Under & Over Voltage

CHARGE FAILURE RELAY

3 A at 30 V DC volt free relay

DIMENSIONS OVERALL

70 mm x200 mm x 130 mm
2.7" x 7.9" x 5.1"

WEIGHT

0.75 kg

OPERATING TEMPERATURE RANGE

-30 °C to +80 °C
-22 °F to +176 °F

STORAGE TEMPERATURE RANGE

-40 °C to +70 °C
-22 °F to +158 °F

FUEL LEVEL ALARMS - FSS

CRITICAL LOW FUEL LEVEL SHUTDOWN AND LOW FUEL LEVEL ALARM

These options provide an alarm on low fuel level and a shutdown on critical low fuel level. This warning is reported by an indicator light on the control panel with an audible alarm also available as an option. This warning can additionally be relayed to a remote annunciator.

Note: Standard Fuel Fill, UL Rated Emergency-vent, Standard vent, Fuel Sender & Leak Detection Probe are included as standard on generator sets fitted with UL Listed fuel tanks.



CRITICAL HIGH FUEL LEVEL ALARM

This option provides an alarm on critical high fuel level. This warning is reported by an indicator light on the control panel with an audible alarm also available as an option. This warning can additionally be relayed to a remote annunciator.

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Jacket Water Heater (WHHH01)

Appropriate when the generator set is to be sited in a low ambient environment, the heater maintains the engine coolant at a temperature [typically 38°C (100°F)] which facilitates rapid starting and load acceptance. The heater assembly uses UL compliant components (to UL1030) and has CSA certification which is to both CSA and UL Standards.

The heater itself is powered by a 240V for 60 Hz AC auxiliary supply. A thermostatic controller is included to regulate the output temperature to within safe limits. When the generator set is not running the heater is automatically connected to the AC supply through a power relay mounted in the control panel.

Features

- Uniform heat distribution
- Reduces wear from cold spots
- Improves startability
- Thermostatically controlled and protected
- 6' (1.8m) cord
- Ensures generator is at optimal starting temperature and ready to accept load
- Durable pump with non-magnetic impeller that does not attract metal debris
- Robust die cast aluminum housing improves sealing of the hoses, eliminates leaking and breakage
- Corrosion resistant steel brackets for superior strength and durability
- Reduces thermal stress on coolant hoses
- Element designed for long life with maximum heat transfer
- IP44 Ingress Protection Rating
- No evaporation of coolant from hoses
- Reduces low coolant level alarms because coolant does not boil

Part No	Outlet Location	Watts	Volts	Amps	Regulating Thermostat	Safety Thermostat
577-1758/577-9355	Right	2700	240	11.25	On 90°F (32°C) Off 115°F (46°C)	210°F (98°C)

www.cat.com/electricpower

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Image shown may not reflect actual configuration.

20A Tamper-Resistant, Weather-Resistant GFCI Receptacles

Features and Benefits

- Automatically tests the GFCI every time the reset button is pushed in. The GFCI will not reset if the GFCI circuit is not functioning properly.
- By blocking reset of the GFCI if protection has been compromised, SmartLockPRO reduces the possibility of end-users incorrectly assuming that a reset GFCI outlet is providing ground fault protection when it actually is not.
- A line-load reversal diagnostic feature is provided which prevents the GFCI from being reset and stops power from being fed to the GFCI receptacle face or through to downstream devices. A green LED indicator on the GFCI's face also illuminates to alert the installer to the line-load wiring reversal.

Weather-Resistant GFCIs

- Meet UL 498 requirements for weather-resistant receptacles.

Tamper-Resistant GFCIs

- Shutter mechanism inside the receptacle blocks access to the contacts unless a two-prong plug is inserted, helping ensure foreign objects will be locked out.

Product Features

- Grounding: GFCI ground fault
- Feature: Weather and tamper-resistant
- Amperage: 20 Amp
- Voltage: 125 Volt
- NEMA: 5-20R
- Trip Level: Class A, 5mA plus or minus 1mA
- Pole: 2
- Wire: 3
- Color: White

Standards and Certifications

- NEMA: WD-6
- ANSI: C-73
- UL498: File E13399
- CSA C22.2 No. 42: File LR-57811
- NOM: 057
- UL 943: File E48380

Receptacles contained in a
weather resistant box
and in-use cover.



www.Cat-ElectricPower.com

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4. Finning Terms & Conditions

1. Entire Agreement. These terms and conditions, Finning's quotation or proposal (if applicable), Customer specifications along with a deviation or exception list and this Agreement constitute a final, complete and exclusive agreement of the parties ("Agreement"). Terms in Finning's quotation or proposal (if applicable) shall control if inconsistent with these terms and conditions. No prior dealings, or course or usage of trade shall supplement or explain any terms herein unless consented to by Finning in writing.
2. Applicability of Terms and Conditions. Finning's performance pursuant to this Agreement entered into by the parties shall incorporate by reference these terms and conditions. Unless otherwise agreed to in writing by both parties, Finning objects to and rejects any additional, different or inconsistent terms and conditions on the Customer's Agreement or other writing. Finning may refuse performance without liability if Customer's credit approval is denied or a Finning required letter of credit, guaranty or other security is not received.
3. Drawings and Technical Documents. All drawings and technical documents relating to the equipment identified the Agreement, submitted by one party to the other, prior or subsequent to the entering into of the Agreement, remain the property of the submitting party. Such drawings and technical documents and the information contained therein may not, without the prior consent of the submitting party, be used, copied, or communicated by the receiving party for any other purpose than that for which they were provided.
4. Delivery. Finning will deliver the Equipment to the Customer on or before the delivery time set out in the Agreement ("Delivery Time") and in accordance with the delivery term specified therein. If no delivery term is specified, the delivery term will be Ex Works (EXW), as such term is defined in Incoterms in force on the effective date of the Agreement.
5. Failure to Accept Delivery. If the Customer fails to accept delivery at the Delivery Time for reasons other than substantial non-conformity of the Equipment, Finning shall arrange for storage of the Equipment at the Customer's sole risk and expense. Finning may in its sole discretion, arrange for storage with a third party or in accordance with the terms of Finning's standard storage agreement. Notwithstanding the foregoing, the Customer shall pay any part of the purchase price of the Equipment (the "Purchase Price") which becomes due on delivery, as if delivery had taken place.
6. Storage. If the Customer does not take delivery within 30 days after the Delivery Time, Finning may, in its sole discretion: i) store the Equipment and the Customer shall pay the portion of the Purchase Price that was due on delivery and 0.04% of the total Purchase Price per day as a storage fee; and ii) at any time terminate the Agreement and the Customer shall pay, on demand, 15% of the total Purchase Price representing Finning's damages and any amounts outstanding for storage. If Finning terminates the Agreement pursuant to this Section, Finning shall be entitled to sell, lease, rent or otherwise dispose of the Equipment in its sole discretion without any liability whatsoever to the Customer, including with respect to the proceeds.
7. Finning Delay Due to the Customer. If Finning is delayed or incurs additional costs in performing its obligations as a result of any default, including delay, by the Customer or its agents in the performance of the Customer's obligations and such default or delay is not due to Force Majeure, then the completion, delivery and other dates contemplated under this Agreement shall be adjusted as reasonably required to accommodate the

effects of that delay, and the Customer shall pay Finning additional costs reasonably and necessarily incurred by Finning as the result of any default, including delay, by the Customer or its agents.

8. **Price and Payment.** Except as otherwise agreed in writing, prices will be firm as of the date of order acceptance paid in Canadian dollars without regard to foreign currency fluctuations. Payment shall be due to Finning upon delivery of Equipment, without set-off, deduction, or withholding. Overdue payments shall bear interest at a rate of 18% per annum. If the Customer has not paid an amount due hereunder and in addition to all other remedies available for late payment, Finning may, upon notice to the Customer, suspend Finning's performance of the Agreement until Finning receives the outstanding payment. If Customer has not paid an amount due within 90 days, Finning may, upon notice to Customer, terminate the Agreement and recover compensation for loss Finning incurs, which compensation shall not exceed the unpaid balance of the Purchase Price plus interest and any additional costs reasonably and necessarily incurred by Finning.
9. **Letter of Credit.** The Purchase Price of the Equipment and any other charges incurred (or to be incurred) by Finning for Customer's account shall be covered by an irrevocable Canadian Dollar Letter of Credit in a form acceptable to Finning and confirmed by a reputable commercial bank acceptable to Finning and sufficient in amount to cover such price plus all related charges. The Letter of Credit shall be established upon receipt of a signed Agreement. If shipment is prevented as a result of a Force Majeure or by any act or omission of Customer but the Equipment is ready to ship, the Customer shall amend the Letter of Credit to allow for release of funds based on a Finning affidavit document stating that Equipment is ready for shipment. All bank charges including, but not limited to, bank confirmation fees are for the account of Customer.
10. **Deposit.** Finning may require the Customer to pay a deposit under this Agreement ("Deposit") and to sign a form of Deposit Agreement as provided by Finning. The Deposit shall be non-refundable and shall be applied to the Purchase Price. If the Customer fails to make any payment due hereunder or commits any other breach of this Agreement, including but not limited to cancellation or breaches contemplated herein, Finning may, in Finning's sole discretion, retain such deposit on account of damages without limiting Finning's right to pursue the Customer for additional damages and other remedies under this Agreement and the law.
11. **Taxes.** The Customer shall pay and discharge when due, all license fees, assessments, and all taxes including all sales, use, property, rental, excise, goods and services, and other taxes or duties (each of which is a "Tax") now or hereafter imposed by any federal, provincial, or local government or taxing authority upon the goods or services which are subject matter of this Agreement (except income taxes payable by Finning) whether the same are payable by, or billed or assessed to Finning or the Customer, together with any penalties or interest levied or charged in connection therewith. The Customer warrants the truth and accuracy of any statement in writing to Finning that the Equipment is not subject to, or is subject to any particular rate of Tax or Taxes. If Finning, either at the Customer's request or due to requirement of law or otherwise, pays any such Tax or any amount in excess of the amount which would have been payable based on the Customer's statement, the Customer shall immediately reimburse Finning and the amount of any such payment shall bear interest at the rate of 18% per annum at the Customer's sole cost and expense.
12. **Force Majeure.** Finning shall not be liable for any loss or damage arising from Finning's failure to perform any obligation or delay resulting from any cause beyond the reasonable control of Finning or from any act of God, act of war whether declared or undeclared, act of civil or military authority, act of any governmental authority, acts or omissions of the Customer or contractors or subcontractors, civil disturbance, insurrection or riot, sabotage, fire, pandemics, inclement weather conditions, earthquake, flood, strike, work stoppage or other labour difficulty, embargo, fuel or energy shortage, major equipment or Equipment breakdown, delay

or accident in shipping or transportation, failure or delay in obtaining necessary manufacturing facilities, labour or materials from its usual sources, or unforeseen circumstances or contingencies.

13. **Warranty.** The terms of any applicable warranty is the standard manufacturer's warranty and Finning's standard service warranty (collectively, the "Warranty"). Other than the Warranty and any applicable performance guarantee, no other warranties, conditions, guarantees or similar obligations, whether express or implied by fact, by law, including any statute or regulation, by custom or trade usage, or by any course of dealing, including but not limited to any implied warranties or conditions of merchantability or fitness for purpose or fitness for a particular purpose, are applicable. The Warranty is in the nature of liquidated damages and in substitution for any damages to which the Customer might otherwise be entitled at law or in equity and, in particular, Customer hereby agrees that in lieu of an action for breach of contract, Customer will rely upon the provisions of the Warranty. In respect only of claims made under the Warranty, if there is a conflict or inconsistency between the terms of the Warranty and any other term of this Agreement, including, without limitation, any term of these Terms and Conditions, the terms of the Warranty shall govern.
14. **Warranty Start Date.** The start date for purposes of Warranty shall be the date indicated on the Delivery Service Record which shall be completed by Finning on or after the Delivery Time.
15. **Cancellation.** Subject to any cancellation schedule in this Agreement, if the Customer cancels an order for stock Equipment, Finning may retain any deposits and advance payments received and Customer will pay any additional amounts required to fully indemnify Finning against loss, all of which shall be no less than 10% of the Purchase Price; if Customer cancels an order for non-stock or custom orders, Finning may retain any deposits and advance payments received and Customer shall pay any additional amounts required to fully indemnify Finning against loss including, which amounts include without limitation: the value of all work done by Finning up to the time of cancellation, demobilization costs, disassembly costs and amounts owing by Finning to the Equipment manufacturer, any other supplier and any shipper. The Customer shall pay the foregoing amounts on account of damages suffered by Finning but the payment of such amounts by the Customer shall not limit Finning's right to pursue the Customer for additional damages and other remedies under this Agreement and the law.
16. **Compliance with Regulations.** Finning shall provide Equipment in accordance with Finning's good faith interpretation of applicable codes and regulations in effect at the time of Agreement by Customer. However, due to periodic changes in and varying interpretations of such codes and regulations, Finning makes no representations that the Equipment complies with all laws, codes, regulations and standards. Finning shall, at Customer's request and expense, make any reasonable modifications to Equipment required for compliance with any codes and/ or regulations.
17. **Compliance with Environmental Protection Legislation.** The Customer shall, at all times, ensure the Equipment is operated and maintained in compliance with all applicable legislation governing emissions, including but not limited to regulations prescribed by the United States Environmental Protection Agency (the "US EPA"), and analogous legislation in Canada and any other country to which the Equipment is shipped (the "Legislation"). If the Customer is bringing the Equipment into compliance with the Legislation (by assembling the Equipment or otherwise), the Customer covenants to do so and to perform any related obligations to ensure compliance with Legislation. Any use of the Equipment shall in no way diminish or vary the operation or maintenance of after treatment or other emission control features that are part of the Equipment or render the Equipment non-compliant with Legislation. The Customer shall keep and maintain a complete set of books and records (collectively, the "Records") that demonstrate to the satisfaction of

Finning and any applicable regulatory and other authorities that the Equipment has been operated and maintained in compliance with Legislation. Finning shall have the right to inspect the Equipment at the Customer's premises or elsewhere and to review the Records, which shall be made fully available to Finning to audit. If in Finning's opinion the Equipment is not compliant with Legislation, and the Equipment is in the Customer's care and control, the Customer shall, on demand by Finning, either relinquish the Equipment to Finning (in which case Finning shall bring the Equipment into compliance at Customer's sole cost and expense) or bring the Equipment into compliance as soon as practicable. The Customer indemnifies Finning from and against any and all costs, liabilities, penalties, fines, including costs on a solicitor and client basis that Finning may suffer or incur as a result of the Customer's failure to comply with this Clause 17. Such costs shall be payable forthwith upon demand to Finning, and interest shall accrue on sums due and owing under this Clause at a rate of 18 percent per annum. The terms set out in this Clause shall be brought to the attention of, and form part of, any contract of sale, rental or other relationship between the Customer and any third parties who purchase, rent, use or otherwise have the care and control of the Equipment.

18. **Safety Inspection.** The Customer shall cause a safety inspection to be made of all used Equipment prior to operating such Equipment.
19. **Limits of Liability.** Finning shall not be liable, whether based in contract, warranty, indemnity, tort (including negligence), strict liability, or alternative tort remedies or any other theory of law or equity, for any indirect, special, incidental, punitive, exemplary or consequential damages including, but not limited to, damage to associated equipment, loss of profits or revenue, loss of production, loss of use of Customer's property, plant, equipment or system downtime costs or claims of Customer's customers. The remedies provided herein are exclusive and Finning's total aggregate liability to Customer hereunder shall not exceed half of the Purchase Price paid by Customer for the specific Equipment or services from which any claim or damages hereunder may arise.
20. **Indemnification.** The Customer shall defend, indemnify, and hold harmless Finning and its affiliates and their directors, officers, employees and agents from and against any and all liability, loss, damage, cost or expense (including solicitors' fees) by reason of (i) any allegation, claim, action, suit or threat thereof, for the death or injury of any person(s) or damage or destruction of property arising out of the negligence or willful acts of Customer or its agents or representatives; and (ii) the Customer's breach of or failure to perform its obligations hereunder.
21. **Risk of Loss and Security Interest.** Except if otherwise set forth in the Agreement, risk of loss or damage to Equipment shall pass to Customer upon delivery. All actual costs for transportation, tariffs, insurance and similar charges are for Customer's account unless otherwise specified. Title shall pass upon delivery and payment in full by the Customer. From the point of delivery through and including commissioning and testing, Customer shall maintain all risks property Insurance naming Finning and any contractors as additional insureds as their interest may appear. Customer hereby grants Finning a purchase money security interest in the Equipment until the purchase price is fully paid. Customer shall do everything necessary or convenient to perfect and maintain such security interest including, but not limited to, the prompt execution and delivery of financing statements as requested by Finning. Finning may, in its sole discretion, make registrations or take other action to protect its interest in the Equipment. To the extent permitted by law, Customer hereby waives all rights to receive notice of registration or copies of financing statements, financing change statements, verification statements, or any other notices or documentation associated with the foregoing.
22. **Confidentiality.** "Confidential Information" means information that is designated as confidential or should reasonably be understood to be confidential which includes but not limited to all specifications, illustrations,

drawings, data and other information transmitted by Finning to Customer in connection with this Agreement. Confidential Information may only be disclosed to the Customer's employees, professional advisors, agents, and subcontractors ("Representatives") on a "need-to-know" basis in connection with this Agreement. Representatives shall be bound to treat the Confidential Information under terms at least as restrictive as those herein, and the Customer shall be liable for unauthorized disclosures by its Representatives. Customer will use at least the same degree of care as it employs with respect to its own Confidential Information, but not less than a commercially reasonable standard of care. If Customer must disclose Confidential Information as required by law, it shall give reasonable prior notice to Finning.

23. Intellectual Property. Equipment (including software), incorporates technology, patents, trademarks, service marks, trade names, proprietary information, trade secrets and other intellectual property rights therein of Finning (collectively "Finning Intellectual Property"). The Finning Intellectual Property rights are owned and controlled by Finning, its licensors, and certain other third parties. All rights, titles and interests in and to the Finning Intellectual Property is the property of Finning, its licensors or certain other third parties, and is protected by Canadian and international copyright, trademark, trade dress, patent and/or other intellectual property and unfair competition rights and laws to the fullest extent possible. Subject to the applicable Terms of Use, Finning grants Customer a non-exclusive and revocable license to use the Finning Intellectual Property owned by and made available by Finning to the extent necessary to use the goods and/or services purchase under this Agreement and otherwise exercise its rights herein.
24. Ownership of Intellectual Property Rights in the Data. All intellectual property rights in any data generated ("Output Data") as part of the goods and/or services sold under this Agreement will vest in Finning upon the creation absolutely and Customer hereby assigns absolutely all of its intellectual property rights in and to the Output Data, except that Customer is permitted to use such Output Data solely for its internal business purposes. . For clarity, this provision only applies to data generated as part of the performance of this Agreement and does not apply to the raw data ("Raw Data") that is provided by Customer or the users. Where Raw Data is provided by Customer, Customer will grant Finning a non-exclusive, irrevocable, transferrable, worldwide license to use the Raw Data that has been provided by Customer.
25. Data Sharing. The Customer understands, acknowledges and agrees that Finning and Caterpillar Inc., and its and their respective group of companies and business affiliates and contractually related third parties can and will collect and have possession of information about the Customer, including information about the Customer's ownership, rental, maintenance and use of the Customer's Caterpillar machines and other equipment provided by or through Finning. Details relating to the information that is collected, how it is collected, how it is used and shared, and how it is kept secure are all contained in Finning's Data Governance Statement which can be viewed at http://www.finning.com/en_CA/policies/data-governance.html and the Caterpillar Data Governance Statement which can be viewed at www.cat.com/en_US/legal-notice/data-governance.html.
26. Electronic Communication. With the Customer's consent, Finning may send electronic communications to inform the Customer of products or services available from Finning or its affiliated entities. When collecting information that might be used to contact the Customer about Finning's products and services, Finning will give the Customer the opportunity to opt-out from receiving such communications. Moreover, each e-mail communication Finning send includes the ability to unsubscribe allowing the Customer to stop delivery of that type of communication. If the Customer elect to unsubscribe, Finning will remove the Customer from the relevant list.

27. Prohibition on Exports. Equipment sold under this Agreement controlled by the U.S. government is authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.
28. Independent Contractor. The parties agree that Finning is an independent contractor and not an employee or agent of the Customer. Equipment operators and other Customer employees, agents, or subcontractors assigned to assist Finning may receive temporary instructions, directions or control from Finning but shall at all times be considered the employees, agents, subcontractors of the Customer and not of Finning.
29. Amendments. No modifications, revisions or amendments to this Agreement will be binding unless made in writing and signed by both parties. No action, delay, or failure to act by Finning shall constitute a waiver of any right available to Finning under this Agreement except to the extent as may be specifically agreed to in writing by Finning.
30. Assignment; Validity. This Agreement is not assignable without the prior written consent of Finning, which consent may be withheld at Finning's sole discretion. If any provision of this Agreement shall be held to be invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired thereby.
31. Applicable Law. This Agreement and each of the documents contemplated by or delivered under or in connection with this Agreement are governed by and are to be construed in accordance with the laws of the Province of Alberta and the laws of Canada applicable therein and treated in all respects as an Alberta contract. The parties to this Agreement hereby irrevocably and unconditionally attorn to the exclusive jurisdiction of the courts of the Province of Alberta and all courts competent to hear appeals therefrom.

5. Finning and Caterpillar Warranty Statements

5.1 CAT LIMITED WARRANTY FOR ELECTRIC POWER GENERATION PRODUCTS

Effective with sales to the first user on or after July 1, 2021

CATERPILLAR LIMITED WARRANTY

Industrial, Petroleum, Locomotive, and Agriculture Engine Products and Electric Power Generation Products Worldwide

Caterpillar Inc. or any of its subsidiaries ("Caterpillar") warrants new and remanufactured engines and new and rebuild electric power generation products sold by it (including any products of other manufacturers packaged and sold by Caterpillar), to be free from defects in material and workmanship.

This warranty does not apply to engines sold for use in on-highway vehicle or marine applications; engines in machines manufactured by or for Caterpillar; C175, 3500 and 3600 series engines used in locomotive applications; 3000 Family engines, C0.5 through C4.4 and ACERT™ (C6.6, C7, C7.1, C9, C9.3, C11, C13, C15, C18, C27, and C32) engines used in industrial, mobile agriculture and locomotive applications; or Cat® batteries; or Electric Power Generation Products manufactured or assembled in India. These products are covered by other Caterpillar warranties.

This warranty is subject to the following:

Warranty Period

- For industrial engines, engines in a petroleum applications or Petroleum Power Systems (excluding petroleum fire pump application), or engines in a Locomotive application, or Uninterruptible Power Supply (UPS) systems, the warranty period is 12 months after date of delivery to the first user.
- For engines used in petroleum fire pump and mobile agriculture applications the warranty period is 24 months after date of delivery to the first user.
- For controls only (EPIC), configurable and custom switchgear products, and automatic transfer switch products, the warranty period is 24 months after date of delivery to the first user.
- For new CG132, CG170 and CG260 series power generation products the warranty period is 24 months after date of delivery to first user, but not to exceed 36 months from shipment from the Caterpillar place of manufacture.
- For electric power generation products other than CG132, CG170 and CG260 series in prime or continuous applications the warranty period is 12 months. For standby applications the warranty period is 24 months/1000 hours. For emergency standby applications the warranty period is 24 months/400 hours. All terms begin after date of delivery to the first user.
- For Caterpillar rebuild electric power generation products the warranty period is 12 months, but not to exceed 24 months from shipment of rebuilt electric power generation product from Caterpillar.
- For all other applications the warranty period is 12 months after date of delivery to the first user.

Caterpillar Responsibilities

If a defect in material or workmanship is found during the warranty period, Caterpillar will, during normal working hours and at a place of business of a Cat dealer or other source approved by Caterpillar:

- Provide (at Caterpillar's choice) new, Remanufactured, or Caterpillar approved repaired parts or assembled components needed to correct the defect.

Note: New, remanufactured, or Caterpillar approved repaired parts or assembled components provided under the terms of this warranty are warranted for the remainder of the warranty period applicable to the product in which installed as if such parts were original components of that product. Items replaced under this warranty become the property of Caterpillar.

- Replace lubricating oil, filters, coolant, and other service items made unusable by the defect.
- Provide reasonable and customary labor needed to correct the defect, including labor to disconnect the product from and reconnect the product to its attached equipment, mounting, and support systems, if required.

For new 3114, 3116, and 3126 engines and, new and Caterpillar rebuild electric power generation products (which includes the following: any new products of other manufacturers packaged and sold by Caterpillar)

- Provide travel labor, up to four hours round trip, if in the opinion of Caterpillar, the product cannot reasonably be transported to a place of business of a Cat dealer or other source approved by Caterpillar (travel labor in excess of four hours round trip, and any meals, mileage, lodging, etc. is the user's responsibility).

For all other products:

- Provide reasonable travel expenses for authorized mechanics, including meals, mileage, and lodging, when Caterpillar chooses to make the repair on-site.

User Responsibilities

The user is responsible for:

- Providing proof of the delivery date to the first user.
- Labor costs, except as stated under "Caterpillar Responsibilities," including costs beyond those required to disconnect the product from and reconnect the product to its attached equipment, mounting, and support systems.
- Travel or transporting costs, except as stated under "Caterpillar Responsibilities."

- Premium or overtime labor costs.
- Parts shipping charges in excess of those that are usual and customary.
- Local taxes, if applicable.
- Costs to investigate complaints, unless the problem is caused by a defect in Caterpillar material or workmanship.
- Giving timely notice of a warrantable failure and promptly making the product available for repair.
- Performance of the required maintenance (including use of proper fuel, oil, lubricants, and coolant) and items replaced due to normal wear and tear.
- Allowing Caterpillar access to all electronically stored data.

Limitations

Caterpillar is not responsible for:

- Failures resulting from any use or installation that Caterpillar judges improper.
- Failures resulting from attachments, accessory items, and parts not sold or approved by Caterpillar.
- Failures resulting from abuse, neglect, and/or improper repair.
- Failures resulting from user's delay in making the product available after being notified of a potential product problem.
- Failures resulting from unauthorized repairs or adjustments, and unauthorized fuel setting changes.
- Damage to parts, fixtures, housings, attachments, and accessory items that are not part of the engine, Cat Selective Catalytic Reduction System or electric power generation product (including any products of other manufacturers packaged and sold by Caterpillar).
- Repair of components sold by Caterpillar that is warranted directly to the user by their respective manufacturer. Depending on type of application, certain exclusions may apply. Consult your Cat dealer for more information.

(Continued on reverse side...)

SELF5731-01

This warranty covers every major component of the products. Claims under this warranty should be submitted to a place of business of a Cat dealer or other source approved by Caterpillar. For further information concerning either the location to submit claims or Caterpillar as the issuer of this warranty, write Caterpillar Inc., 100 N. E. Adams St., Peoria, IL USA 61629.

Caterpillar's obligations under this Limited Warranty are subject to, and shall not apply in contravention of, the laws, rules, regulations, directives, ordinances, orders, or statutes of the United States, or of any other applicable jurisdiction, without recourse or liability with respect to Caterpillar.

A For products operating outside of Australia, Fiji, Nauru, New Caledonia, New Zealand, Papua New Guinea, the Solomon Islands and Tahiti, the following is applicable:

NEITHER THE FOREGOING EXPRESS WARRANTY NOR ANY OTHER WARRANTY BY CATERPILLAR, EXPRESS OR IMPLIED, IS APPLICABLE TO ANY ITEM CATERPILLAR SELLS THAT IS WARRANTED DIRECTLY TO THE USER BY ITS MANUFACTURER.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EXCEPT CATERPILLAR EMISSION-RELATED COMPONENTS WARRANTIES FOR NEW ENGINES, WHERE APPLICABLE. REMEDIES UNDER THIS WARRANTY ARE LIMITED TO THE PROVISION OF MATERIAL AND SERVICES, AS SPECIFIED HEREIN.

CATERPILLAR IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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