

Loxahatchee River District Lift Station #163 Emergency Generator Project

Addendum Number 1

January 15, 2021

The following clarifications and modifications are hereby made to the bidding documents for the above referenced project.

Acknowledge receipt of the addendum by inserting its number on Page 17 of the bid. Failure to do so may subject the bidder to disqualification.

General

- Item 1-1** Bid Due Date is now January 26, 2021 at 2:00 PM. Bids are still due via DemandStar.
Bid Opening Date is now January 28, 2021 at 2:00 PM.
- Item 1-2** Pre-Bid Meeting Minutes and Sign-In Sheet are attached to this addendum.
- Item 1-3** Appendix D – Approved Generator and Automatic Transfer Switch Shop Drawings are attached to this addendum.

Specifications

- Item 1-3** **Amend** the following paragraph in INSTRUCTIONS TO BIDDERS – Article 1, Paragraph 1 n.:
24. **Notice to Proceed:** The Notice to Proceed for this project will be issued within ~~180~~ **60** days of the Award of Contract at a time mutually agreed to by the Owner and lowest responsive bidder.
- Item 1-4** **Amend** the following paragraph in INSTRUCTIONS TO BIDDERS – Article 1, Paragraph 24:
- n. “Engineer” shall mean the engineer designated by the District as its engineering representative during the course of construction to make appropriate inspection and computation of payments, whether acting directly or through properly authorized agents, inspectors or representatives of the Engineer, acting within the scope of duties entrusted to them. The Engineer ~~may or may not be an employee of the District.~~ **is not an employee of the District.**

Item 1-5 Amend the following paragraph in INSTRUCTIONS TO BIDDERS – Article 1, Paragraph 5:

All Work for the Project shall be constructed in accordance with the Plans and Specifications prepared by the ~~District~~ **Holtz Consulting Engineers, Inc.** Bids shall be submitted for furnishing, delivering, and installing all materials, equipment, incidentals and services, including labor for the Work as specified

Item 1-5 Amend the following in CONTRACT – Article 4, Section 6:

Upon receipt of the Final Payment Application, Engineer will inspect the Work, the Final Payment Application, and supporting documentation. If Engineer finds the Work acceptable, Engineer will issue a certificate of acceptance stating that the quality Work has been fully completed to Engineer's satisfaction in substantial compliance with the Contract Documents. The Certificate of Final Completion shall constitute Engineer's determination as to the quality of the Work only; it shall not include an opinion as to the timeliness of completion of the Work. If the Engineer finds the Contract fully and timely performed, and the Final Payment Application accurately reflects the final amount Contractor is owed, the Engineer shall issue its written approval to the District of the Final Payment Application within ten (10) **calendar** days of receipt the Final Payment Application.

If Engineer disputes the Final Payment Application, finds the Work unsatisfactory, or determines that amounts should be deducted as Liquidated Damages and Additional Delay Damages, Engineer shall notify the District in writing of its findings, the support for such findings, and its recommendation as to the amount Contractor is owed, if any, within ten (10) **calendar** days of receipt of the Final Payment Application.

The District shall review Engineer's recommendation as set forth above. If the District finds that the Work is acceptable, the Contract has been fully and timely performed, and the Final Payment Application is complete and accurately reflects the amount Contractor is owed, the District shall pay Contractor the amount of the Final Payment Application within twenty-five (25) **calendar** days of Engineer's receipt of the Final Payment Application.

In the event the District finds the Work is not acceptable, the Contract has not been fully and timely performed, or the Final Payment Application is incomplete or does not accurately reflect the amount Contractor is owed, the District shall reject the Final Payment Application in writing within twenty (20) **calendar** days of Engineer's receipt of the Final Payment Application. The rejection shall state with specificity the reason for the rejection and any action necessary to make the Final Payment Application acceptable to the District. If Contractor submits a corrected Final Payment

Application acceptable to the District, the District shall pay the corrected Final Payment Application within ten (10) **business calendar** days after the corrected Final Payment Application is received.

In the event the District disputes the corrected Final Payment Application, the District shall notify Contractor in writing of such dispute and pay to Contractor the amount not in dispute, if any, within twenty-five (25) **calendar** days of the District's receipt of the corrected Final Payment Application. This payment shall constitute a progress payment and shall not be deemed final payment. In exchange for such payment, Contractor shall submit to Engineer a Progress Payment Affidavit indicating that all lienors under Contractor's direct contract have been paid in full for the Work related to the non-disputed amount.

The District and Contractor agree that prior to instituting any litigation for damages under this Section, the parties shall conduct a non-binding mediation to attempt to resolve their dispute. In the event the parties cannot agree upon a mediator, each party shall select a mediator and such mediators shall select a third mediator who shall serve as the mediator for the dispute. Such mediation shall occur within forty-five (45) **calendar** days of the District's rejection of the corrected Final Payment Application. In the event such mediation does not occur within thirty (30) **calendar** days of a written request of either party, the parties shall be free to pursue litigation without first conducting mediation.

Questions from Bidders

Q1: What is the estimated cost of construction?

A1: The engineer's estimate of construction is \$73,000

Q2: Who provides fuel for the generator tank?

A2: The District will provide the initial fuel fill of the generator for testing.

Q3: Appendix D is empty. Please provide shop drawings for the generator and ATS.

A3: Approved shop drawings are attached to this Addendum.

Q4: What is the site location address?

A4: The address for LS 163 is 19651 North Fork Drive, Jupiter FL 33458.

Q5: Do we send questions to the District or the Engineer?

A5: Questions are to be directed to the Engineer at christine.miranda@holtzconsulting.com

Q6: If it is to the Engineer, what is their Name, Phone Number, and email?

A6: Questions shall be directed to Christine Miranda, PE

Phone: (772)708-6165 email: Christine.miranda@holtzconsulting.com

Q7: Is the site irrigated?

A7: No, the site is currently not irrigated.

Q8: Who is responsible for FPL fees, if any?

A8: There is an existing FP&L service for the lift station and there are no associated FP&L fees.

END OF ADDENDUM 1



Prebid Meeting Minutes

Client: Loxahatchee River District
Project: Lift Station #163 Emergency Generator Project
Date: 01/12/2021
Time: 2:00 PM
Engineer: Holtz Consulting Engineers, Inc.

1. Introduction and Sign-In:
2. Bids Due – **January 26, 2021** at 2:00 PM via DemandStar
Bids Opened - **January 28, 2021** at 2:00 PM at the Loxahatchee River District, 2500 Jupiter Park Drive, Jupiter, FL 33458
Note: These dates are updated and do not match what is currently shown on Demandstar.
3. The site will be open and accessible for bidder inspection on January 13th, 2021 at 10:00 am. Any bidders interested in visiting the site prior to submitting a bid should do so at this time. The address for Lift Station 163 is: 19651 North Fork Drive, Jupiter FL 33458
4. Questions asked at today’s pre-bid meeting will be recorded and will be responded to in writing in an addendum unless the questions can be answered directly by way of reference to specific specification section or plan sheet.
4. Award will be made to the lowest responsive and responsible bidder submitted within budget.
5. Summary of work (per Section 01000):
 - A. Installation of one (1) skid-mounted generator with diesel belly tank and automatic transfer switch at each Lift Station #163. Generator and Automatic Transfer Switch shall be provided by Owner. The Work includes demolition of existing electrical raceways, connection of new generator to existing control panel, installation of new generator pad, and modifications to RTU equipment to monitor generator equipment. The Work includes general conditions, bonds, indemnification, mobilization, demobilization, start-up, testing, record drawings, operation and maintenance manuals, training, and any all other necessary items to provide a complete and operating system.
 - B. Installation of new grass paver driveway to the lift station.
 - C. Testing and startup services.



- D. Restoration of all areas affected by construction activities to existing conditions or better.
6. It is suggested that all contractors planning to submit Bids on this Project attend this meeting or listen to the complete recording of the prebid conference and sign a certification attesting that they have listened to and understood the contents of the meeting as recorded. The recordings will be available for listening upon request from the District's Purchasing Department at purchasing@lrecd.org through and including January 25, 2021.
 7. Bids are to be submitted as an Electronic Bid via Demandstar. To submit a response for this bid electronically, please follow the instructions on Demandstar. Electronic responses are the only method allowed for bidders to respond to this solicitation.
 8. All Addenda must be acknowledged.
 9. A single Bid shall be submitted for all portions of the Work.
 11. Bid requirements:
 1. Instructions to Bidders – Article 1
 2. Proposal – Article 2
 - Bid form
 - Article 2a- Questionnaire
 - List of subcontractors. If work is to be self-performed, please indicate so.
 - Sworn Statement on Public Entity Crimes
 - Condensed Financial Statement
 3. Bid Security – Article 3

NOTE: the original bid security MUST be submitted to the District prior to the bid opening.
 12. Any restoration costs are to be included in the lump sum bid price for restoration.
 13. Generator and Automatic Transfer Switch shall be Owner Furnished. Contractor is responsible for the complete installation of these items.
 14. Mobilization and Demobilization line item shall not exceed 10% of the total bid.
 15. Provide public construction bonds in the full amount of the contract price.
 16. Adhere to all requirements included within Loxahatchee River District Standards and all requirements outlined by the NPDES Construction Site Permit Program.
 17. Project Schedule:
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- A. Contract time is 120 calendar days to reach substantial completion and 65 calendar days from substantial to reach final completion. Substantial completion is considered the point at which all tasks necessary to start-up and successfully operate the equipment have been completed.
- B. Liquidated damages are \$100 per day for failure to meet the substantial completion and \$75 per day for failure to meet final completion milestones.
18. Any questions or clarifications must be submitted in writing to HCE by close of business Monday, January 18, 2020 by 5 p.m. for inclusion in addendum. Submit questions to Christine.miranda@holtzconsulting.com
19. The Engineering Construction Cost Estimate is approximately \$73,000.
20. Additional Notes:
- The NTP for the contract will be adjusted based upon the lead time for the generator and ATS following the award of the contract.
 - One day will be allowed for power outage at the lift station site. LRD will verify the time window for the power outage.
 - An arc flash study will be required for new items to be installed. Basic arc flash labels will be required for the panel.
 - ITB Paragraph 25 contains Health, Safety, and Environmental Performance requirements. Contractor must submit documentation as outlined.
 - The District utilizes a Contractor Performance Evaluation Report (contained in Appendix B of the bid specifications) that is completed at the end of each project and utilized in evaluating future bids. Contractors whom have performed work for the District will have previous Evaluation Reports evaluated as part of the determination of bids.
 - Contractors should review and confirm compliance with insurance requirements outlined in Special Conditions section 9.08.
 - The Owner-furnished generator is currently in transit.
 - The District anticipates awarding the contract at the February board meeting.
 - There are no small business or diversity requirements as part of this bid.



Engineering Submittal Package

FSA-Loxahatchee River Environmental Control District-LS 163

Dealer:

John Agnes
Sales Engineer
Acf Standby Systems, LLC
9311 Solar Dr
Tampa, Fl 33619-4403
Cell (352) 277-6403
j.agnes@acfpower.com
www.acfstandbysystems.com

LOXAHATCHEE RIVER DISTRICT

- FURNISH AS SUBMITTED FURNISH AS NOTED
 REVISE AND RESUBMIT NOT APPROVED

REVIEWED FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AND APPROVED CONSTRUCTION DOCUMENTS. APPROVAL DOES NOT RELIEVE THE CONTRACTOR OR ENGINEER OF RECORD FROM RESPONSIBILITY FOR CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS OR DISTRICT STANDARDS.

BY:  2020118

Table of Contents

SPECIFICATION SHEET

0K5093

SD100 6.7L

0L0187

SPEC OPEN & DELAYED TRANS.CONT

CONTROL PANEL AND OPTIONS

0172110SBY

SPEC SHEET H-100 CONTROL PANEL

ALTERNATOR AND OPTIONS

0182610SSD

ALT DATA SHT 130 KW

0187980SBY

GENPROTECT DATA SHEET

UNIT OPTIONS

0161970SBY

BATTERY INDEX

0163180SBY

SERIES 2000 ENCL SPEC

0180230SBY

SPEC SHEET RHINO COAT

0189380SSD

EATON CB TABLE THERM/MAG

0191900SBY

2.5A & 10A BATT CHRGR H&G

0192390SSD

EATON CB LUG DATA

0192670SBY

PSTS ATC-300 SPC SHT

0604410SSD

ELEC GOV DIESEL ENG SUB D

084918L_SBM

HEATER BLOCK 1500W 120V

INSTALLATION DRAWINGS

0H8895

INSTALL 510G USABLE D6.7 C-GRP

0J4190

INSTALL 6.7L LO G17 390 OPEN

0J4190C

INSTALL 6.7L LO G17 390 L2A

0J4214

INSTALL BASE TANK D6.7L D-GRP

69D8220

ATC3C2 400A 3P 208-480 4X

GENSET ELECTRICAL DRAWINGS

0H9862

WD D4.5L/D6.7L G17 H-PANEL

0H9863

SD D4.5L/D6.7L G17 H-PANEL

SYSTEM INTERCONNECT DRAWINGS

0191120SSD

INTERCONNECT DIAG H PANEL

EMISSIONS DATA

0185050SSD

SOUND DATA SD100 6.7L

A0000514945

EMISSIONS SD100 D6.7 2020

CERTIFICATIONS

0184520SSD

QUALITY CERTIFICATION DOC

0J4299

2YEAR LIMITED WARRANTY STANDBY

0J4303

2YEAR EXTND WARR-TRNSFR SWITCH

0K8347

ISO CERTIFICATE 9001 : 20

Table of Contents

A0000083486

A0000519418

EMSNWRNTY003

2019 EPA CERT KFPXL06.7DGB-003

2020 EPA CERT LFPXL06.7DGB-002

EPA WARRANTY STATEMENT US

Date: October 8, 2020

Reference: Loxahatchee River Environmental Control District-LS 163

We are pleased to offer the following quote for the above project:

FSA20-EQU 18.0 HEAVY EQUIPMENT

Group: Generator: 125kW Generator Package

Lift Station 163

- 125W Generator Package Specification Item # 111 Generac SD130..... \$
- Downgrade to 100kw\$
- Upgrade to Permanent Magnet Generator (PMG)\$
- Upgrade to Alternator To 130kw\$
- Upgrade to Level 2 Aluminum Enclosure.....\$
- Upgrade to 72 Hour Fuel Tank\$
- Upgrade to 2nd 250A breaker\$
- Optional Equipment HUIO Device.....\$

Sub-Total:

Group: Transfer Switch: 600 Amp Automatic Transfer Switch

- 600 Amp ATS Package Specification # 467 Generac 600 Amp ATS..... \$
- Downgrade to an 250A (Non Service Entrance Rated)..... \$
- Optional Equipment NEMA 4X Enclosure.....\$

Sub-Total:

Based on (2) 20 HP Pumps starting across the line. One 20HP at a time. See sizing report.

We are pleased to offer the following quote for the above project:

Lift Station 163

Quantity 1 - Generac Industrial diesel engine-driven generator set with turbocharged/aftercooled 6-cylinder 6.7L engine, consisting of the following features and accessories:

- Stationary Emergency-Standby rated
- **100 kW Rating, wired for 120/240 VAC three phase, 60 Hz**
- Permanent Magnet Excitation
- **With upsized 130 kW alternator**
- **Level 2 Acoustic Enclosure, Aluminum**

- **Industrial Grey Baked-On Powder Coat Finish**
 - **150 MPH Wind Load Certified**
- UL2200
- EPA Certified
- H-100 Control Panel
 - Meets NFPA 99 and 110 requirements
 - Temp Range -40 to 70 degrees C
 - Digital Microprocessor:
 - Two 4-line x 20 displays, full system status
 - 3 Phase sensing, +/-0.25% digital voltage regulation
 - RS232, RS485 and Canbus remote ports
 - Waterproof connections
 - All engine sensors are 4-20ma for minimal interference
 - Programmable I/O ← HUIO Module
 - Built-in PLC for special applications
 - Engine function monitoring and control:
 - Full range standby operation; programmable auto crank, Emergency Stop, Auto-Off-Manual switch
 - Isochronous Governor, +/-0.25% frequency regulation
 - Full system status on all AC output and engine function parameters
 - Service reminders, trending, fault history (alarm log)
 - I2T function for full generator protection
 - Selectable low-speed exercise
 - HTS transfer switch function monitoring and control
 - 2-wire start controls for any 2-wire transfer switch
- 110 AH, 925 CCA Group 31 Battery, with rack, installed
- 150 MPH Wind Load Certified
- Battery Charger, 10 Amp, NFPA 110 compliant, installed
- Coolant Heater, 1500W
- **36" 510 Gallon Double-Wall UL142 Basetank**
 - **Mechanical fuel level indicator gauge**
 - **Electronic fuel level sender**
 - **Emergency Vent**
- 3 Owner's Manuals ← Hardcopies, plus one PDF
- 120V GFCI and 240V Outlet
- **MLCB, 100% rated thermal-magnetic**
 - **250 Amp**
- **Secondary MLCB, 100% rated thermal-magnetic**
 - **250 Amp**
- **2-Year Comprehensive Warranty**

Quantity 1 - PSTS Series Automatic Transfer Switch consisting of the following features and accessories:

- **Standard Open Transition**
- 32F - Inphase Transfer
- Contactor-Based Design
- **260 Amp, 3 Pole, 120/240 VAC three phase**
- CSA C22.2 Certified
- CUL Listed
- UL1008 Listed
- **NEMA 4X Enclosure**
- ATC-300+ Microprocessor-Based Controller
 - 2-Line, 32-Character Alphanumeric LCD Display
 - Front Panel Mimic Diagram with colored LEDs for Source/Load Indication
 - Standard Features:
 - Sensing and Programmable Setpoints for both Normal (S1) and Emergency (S2): Under-voltage/Under-frequency, Over-voltage/Over-frequency; Voltage Unbalance Sensing and Phase Reversal for all phases

- Adjustable Time Delays: Engine Start, Transfer Normal to Emergency & Emergency to Normal, Engine Cooldown, Emergency Fail
- Pushbutton for Bypassing Time Delays on Transfer/Retransfer
- Test Pushbutton
- Contacts for Go to Emergency (S2)
- MODBUS Communication
- Digital Programmable Plant Exerciser:
 - Off, 1-Day, 7-Day, 14-Day, 28-Day Intervals
 - Adjustable 0-600 Minutes Run Time
 - Selectable for Load or No Load
- Auxiliary Contacts:
 - Normal (S1) Source Present (2 Form C)
 - Emergency (S2) Source Present (2 Form C)
 - Normal (S1) Position Indication (1 Form C)
 - Emergency (S2) Position Indication (1 Form C)
 - Pre-Transfer Signal Contacts (1 Form C)
- 32F - In-Phase Transition
- 41A - 100W Space Heater with Adjustable Thermostat
- 42 - IBC/CBC Seismic Qualified
- 36 - Load Shed from Emergency
- Normal Terminal Mechanical Lugs, Customer Connection: (2) 1/0-250MCM or (1) 1/0-750MCM per phase
- Emergency Terminal Mechanical Lugs, Customer Connection: (1) 1/0-750MCM or (2) 1/0-250MCM per phase
- Load Terminal Mechanical Lugs, Customer Connection: (1) 1/0-750MCM or (2) 1/0-250MCM per phase
- Neutral Terminal Mechanical Lugs, Customer Connection: (6) 250MCM-500MCM
- **2-Year Extended Warranty**

Quantity 1 - Start-up and testing Including a **2-hour** load bank test, **M-F, 8A-5P, No Holidays**. Maximum if one trip for this start-up. It is the contractor's responsibility to ensure this generator set is completely installed, and all fuel tank testing is completed before the start up is scheduled. If at time of start-up, the installation is incomplete and/or no fuel available, an additional trip will be required to complete this start-up. Additional trip(s) will be billed our customer.

NOTES:

- Field start-up and testing conducted by a Factory Trained Certified Technician
- Onsite training to be done on the same day as start-up
- Start-up and testing is limited to one (1) day on site as described above.
- Load Bank Testing will be done using a resistive type load bank.

Access within 50 feet of the generator must be provided for the load bank test. If the distance between the load bank and the generator is greater than 50 feet, we reserve the right to requote this start-up and load bank testing. The distance must be provided to calculate the required additional cable and cost for this testing.

Quantity 1 - Freight to Job-site Offloading By Others

Clarifications and Exceptions:

- No Enclosure Wind Load P.E. Calculations. Optional adder.
- Buyers referenced to local, state, or federal government requirements.
- No Anchoring Calculations and/or anchors.
- Fire Pump ATS Provided by Others
- No Offloading.
- No installation.
- No rigging.
- No power systems or selective coordination study.
- Equipment performance beyond manufacturer's design.
- No Storage or insurance.

- No third-party electrical apparatus testing / inspections, and/or special testing (emissions, noise, harmonics, etc...
- NO NETA Testing Must be performed by third party agency.
- No Special testing equipment (oscilloscope, thermal camera, harmonic analyzer, InfraRed, etc...
- No general, civil and/or plumbing work or materials.
- No electrical and/or mechanical work including materials.
- No engineering or permitting.
- No third-party testing agency.
- If this project is an AHCA project and AHCA does not approve quote additional cost could occur to make AHCA Compliant.
- No Sound Testing by ACF.
- No fuel or equipment rental.
- No Sub-base in field pressure integrity testing.
- No Maintenance Contract by ACF.

Notes

1. This Quotation is based upon Engineering Specifications __N/A__ & Drawings N/A. No other sections shall apply. Based of sizing by engineer
2. Quotation is valid for 60 days. If not released to production within 60 days, pricing, delivery extension and escalation charges may apply.
3. ACF Standby Systems is not responsible for any delays in delivery due to Act of Nature, explosion, fire, strikes, accidents, war, terrorism, flood, accidents or other causes beyond our company control. Quoted shipping schedules are not guaranteed and subject to change without notice. In no case is ACF Standby Systems responsible for incidental or consequential damages.
4. ACF Standby Systems does not accept liquidated damages as a part of third party contracts.
5. Equipment will be invoiced (and payment expected according to ACF's Terms and Conditions) at the time of shipment or when ready to ship from point of origin. Delays by the buyer may result in storage fees and/or additional freight charges.
6. The warranty is that of the above-named manufacturer(s). Refer to the manufacturer's warranty statement for details. No special warranty is implied. The Manufacturer's warranty begins on the day of start-up or 6 months after shipment, whichever occurs first, not substantial completion. It is the contractor's responsibility to coordinate start-up along with the date of substantial completion.
7. If the generator set is not installed and ready for startup within 6 months of shipment it will require long term storage procedures. Please refer to the Operation and Maintenance Manual for such requirements. All costs related to long term storage is the responsibility of the purchaser. Failure to follow these procedures may void warranty and affect equipment operation. Contact ACF Standby Systems for assistance.
8. Additional sets of O&M manuals are available at an additional cost. The manufacturer's standard format shall apply. Custom O&M manuals will be available at an additional charge.
9. Startup services will not proceed until the buyer's account is current and in good standing.
10. Quotation does not include offloading, rigging, anchoring, installation, exhaust plumbing, exhaust insulation, fuel or permitting.
11. ACF Standby Systems is not responsible for testing of fuel tank(s) provided by any party. Fuel tank testing, as required by FDEP (Florida Department of Environmental Protection) Chapters 62-761 and 62-762, is the responsibility of the installing Contractor and Generator Permit Applicant. ACF Standby Systems LLC is not responsible for damages or costs incurred by any party, when a fuel tank is filled before field testing required under FDEP or testing mandated by a Local Inspector of Authority under FBC, is performed.
12. Pricing is subject to ACF Standby Systems Payment Terms.

Terms and Conditions

This proposal is subject to ACF Terms and Conditions of Sale, attached.

Sincerely,

Thank You,

John Agnes



John Agnes

Sales Engineer

Mobile (352) 277-6403

Fax (813) 621-6980

Email j.agnes@acfpower.com

Connect

Acceptance of Quote

Prior to ordering equipment or services, please sign and return as a confirmation of the content of this proposal and the attached terms and conditions

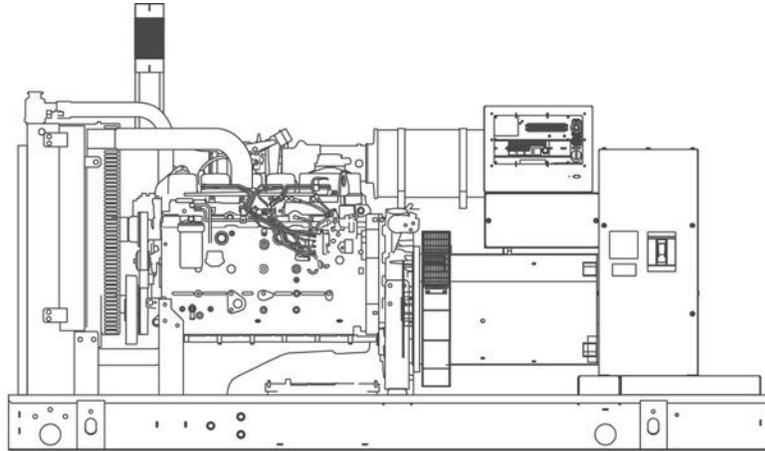
Customer Signature

STANDBY POWER RATING

100 kW, 125 kVA, 60 Hz

PRIME POWER RATING*

90 kW, 113 kVA, 60 Hz



*Built in the USA using domestic and foreign parts

*EPA Certified Prime ratings are not available in the U.S. or its Territories.

Image used for illustration purposes only

**Certain options or customization may not hold certification valid.

CODES AND STANDARDS

Generac products are designed to the following standards:

 UL2200, UL508, UL142, UL498

 NFPA70, 99, 110, 37

 NEC700, 701, 702, 708

 ISO9001, 8528, 3046, 7637, Pluses #2b, 4

 NEMA ICS10, MG1, 250, ICS6, AB1

 **ANSI**
 American National Standards Institute
 ANSI C62.41

POWERING AHEAD

For over 50 years, Generac has led the industry with innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac's gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial application under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

STANDARD FEATURES

ENGINE SYSTEM

General

- Oil Drain Extension
- Air Cleaner
- Fan Guard
- Stainless Steel flexible exhaust connection
- Critical Exhaust Silencer (enclosed only)
- Factory Filled Oil
- Radiator Duct Adapter (open set only)

Fuel System

- Fuel lockoff solenoid
- Primary fuel filter

Cooling System

- Closed Coolant Recovery System
- UV/Ozone resistant hoses
- Factory-Installed Radiator
- Radiator Drain Extension
- 50/50 Ethylene glycol antifreeze
- 120 VAC Coolant Heater

Engine Electrical System

- Battery charging alternator
- Battery cables
- Battery tray
- Solenoid activated starter motor
- Rubber-booted engine electrical connections

ALTERNATOR SYSTEM

- UL2200 GENprotect™
- 12 leads (3-phase, non 600 V)
- Class H insulation material
- Vented rotor
- 2/3 pitch
- Skewed stator
- Auxiliary voltage regulator power winding
- Amortisseur winding
- Brushless Excitation
- Sealed Bearings
- Automated manufacturing (winding, insertion, lacing, varnishing)
- Rotor dynamically spin balanced
- Full load capacity alternator
- Protective thermal switch

GENERATOR SET

- Internal Genset Vibration Isolation
- Separation of circuits - high/low voltage
- Separation of circuits - multiple breakers
- Silencer Heat Shield
- Wrapped Exhaust Piping
- Silencer housed in discharge hood (enclosed only)
- Standard Factory Testing
- 2 Year Limited Warranty (Standby rated Units)
- 1 Year Limited Warranty (Prime rated Units)
- Silencer mounted in the discharge hood (enclosed only)

ENCLOSURE (IF SELECTED)

- Rust-proof fasteners with nylon washers to protect finish
- High performance sound-absorbing material
- Gasketed doors
- Stamped air-intake louvers
- Air discharge hoods for radiator-upward pointing
- Stainless steel lift off door hinges
- Stainless steel lockable handles
- Rhino Coat™ - Textured polyester powder coat

TANKS (IF SELECTED)

- UL 142
- Double wall
- Vents
- Sloped top
- Sloped bottom
- Factory pressure tested (2 psi)
- Rupture basin alarm
- Fuel level
- Check valve in supply and return lines
- Rhino Coat™ - Textured polyester powder coat
- Stainless hardware

CONTROL SYSTEM



Control Panel

- Digital H Control Panel - Dual 4x20 Display
- Programmable Crank Limiter
- 7-Day Programmable Exerciser
- Special Applications Programmable PLC
- RS-232/485
- All-Phase Sensing DVR
- Full System Status
- Utility Monitoring
- Low Fuel Pressure Indication
- 2-Wire Start Compatible
- Power Output (kW)

- Power Factor
- kW Hours, Total & Last Run
- Real/Reactive/Apparent Power
- All Phase AC Voltage
- All Phase Currents
- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Speed
- Battery Voltage
- Frequency
- Date/Time Fault History (Event Log)
- Isochronous Governor Control
- Waterproof/sealed Connectors
- Audible Alarms and Shutdowns
- Not in Auto (Flashing Light)
- Auto/Off/Manual Switch
- E-Stop (Red Mushroom-Type)
- NFPA110 Level I and II (Programmable)
- Customizable Alarms, Warnings, and Events
- Modbus protocol
- Predictive Maintenance algorithm
- Sealed Boards
- Password parameter adjustment protection

- Single point ground
- 15 channel data logging
- 0.2 msec high speed data logging
- Alarm information automatically comes up on the display

Alarms

- Oil Pressure (Pre-programmable Low Pressure Shutdown)
- Coolant Temperature (Pre-programmed High Temp Shutdown)
- Coolant Level (Pre-programmed Low Level Shutdown)
- Low Fuel Pressure Alarm
- Engine Speed (Pre-programmed Over speed Shutdown)
- Battery Voltage Warning
- Alarms & warnings time and date stamped
- Alarms & warnings for transient and steady state conditions
- Snap shots of key operation parameters during alarms & warnings
- Alarms and warnings spelled out (no alarm codes)

CONFIGURABLE OPTIONS

ENGINE SYSTEM

General

- Oil Heater
- Industrial Exhaust Silencer

Fuel System

- Flexible fuel lines
- Primary fuel filter

Engine Electrical System

- 10A UL battery charger
- 2.5A UL battery charger
- Battery Warmer

ALTERNATOR SYSTEM

- Alternator Upsizing
- Anti-Condensation Heater
- Tropical coating
- Permanent Magnet Excitation

CIRCUIT BREAKER OPTIONS

- Main Line Circuit Breaker
- 2nd Main Line Circuit Breaker
- Shunt Trip and Auxiliary Contact
- Electronic Trip Breaker

GENERATOR SET

- Gen-Link Communications Software (English Only)
- IBC Seismic Certification
- 8 Position Load Center
- 2 Year Extended Warranty
- 5 Year Warranty
- 5 Year Extended Warranty

ENCLOSURE

- Weather Protected
- Level 1 Sound Attenuation
- Level 2 Sound Attenuation
- Steel Enclosure
- Aluminum Enclosure
- 150 MPH Wind Kit
- 12 VDC Enclosure Lighting Kit
- 120 VAC Enclosure Lighting Kit
- AC/DC Enclosure Lighting Kit
- Door Alarm Switch

TANKS (Size on last page)

- Electrical Fuel Level
- Mechanical Fuel Level
- 8" Fill Extension
- 13" Fill Extension

CONTROL SYSTEM

- 21-Light Remote Annunciator
- Remote Relay Panel (8 or 16)
- Oil Temperature Sender with Indication Alarm
- Remote E-Stop (Break Glass-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Flush Mount)
- Remote Communication - Modem
- Remote Communication - Ethernet
- 10A Run Relay
- Ground Fault Indication and Protection Functions

ENGINEERED OPTIONS

ENGINE SYSTEM

- Coolant heater ball valves
- Block Heaters
- Fluid containment pans

ALTERNATOR SYSTEM

- 3rd Breaker Systems

CONTROL SYSTEM

- Spare inputs (x4) / outputs (x4) - H Panel Only
- Battery Disconnect Switch

GENERATOR SET

- Special Testing

ENCLOSURE

- Motorized Dampers
- Door switched for intrusion alert
- Enclosure ambient heaters

TANKS

- Overfill Protection Valve
- UL2085 Tank
- ULC S-601 Tank
- Stainless Steel Tank
- Special Fuel Tanks (MIDEQ and FL DEP/DERM, etc.)
- Vent Extensions

RATING DEFINITIONS

Standby - Applicable for a varying emergency load for the duration of a utility power outage with no overload capability.

Prime - Applicable for supplying power to a varying load in lieu of utility for an unlimited amount of running time. A 10% overload capacity is available for 1 out of every 12 hours. The Prime Power option is only available on International applications. Power ratings in accordance with ISO 8528-1, Second Edition

APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

General

Make	Iveco/FPT
EPA Emissions Compliance	Stationary Emergency
EPA Emissions Reference	See Emissions Data Sheet
Cylinder #	6
Type	In-Line
Displacement - L (cu In)	6.7 (406.86)
Bore - mm (in)	104 (4.09)
Stroke - mm (in)	128 (5.2)
Compression Ratio	16.5:1
Intake Air Method	Turbocharged/Aftercooled
Cylinder Head Type	2 Valve
Piston Type	Alloy Aluminum
Crankshaft Type	Forged Steel

Engine Governing

Governor	Electronic Isochronous
Frequency Regulation (Steady State)	+/- 0.25%

Lubrication System

Oil Pump Type	Gear
Oil Filter Type	Full Flow
Crankcase Capacity - L (qts)	17 (18)

Cooling System

Cooling System Type	Closed Recovery
Water Pump	Belt Driven Centrifugal
Fan Type	Pusher
Fan Speed (rpm)	2538
Fan Diameter mm (in)	599 (23.6)
Coolant Heater Wattage	1500
Coolant Heater Standard Voltage	120 V /240 V

Fuel System

Fuel Type	Ultra Low Sulfur Diesel Fuel
Fuel Specifications	ASTM
Fuel Filtering (microns)	5
Fuel Injection	Stanadyne
Fuel Pump Type	Engine Driven Gear
Injector Type	Mechanical
Fuel Supply Line mm (in)	12.7 (0.5) NPT
Fuel Return Line mm (in)	12.7 (0.5) NPT

Engine Electrical System

System Voltage	12 VDC
Battery Charging Alternator	Std
Battery Size	See Battery Index 0161970SBY
Battery Voltage	12 VDC
Ground Polarity	Negative

ALTERNATOR SPECIFICATIONS

Standard Model	390
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	<3%
Telephone Interference Factor (TIF)	<50

Standard Excitation	Synchronous Brushless
Bearings	Single Seated Cartridge
Coupling	Direct, Flexible Disc
Load Capacity - Standby	100%
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Digital
Number of Sensed Phases	All
Regulation Accuracy (Steady State)	± 0.25%

OPERATING DATA

POWER RATINGS

		Standby
Single-Phase 120/240 VAC @1.0pf	100 kW	Amps: 417
Three-Phase 120/208 VAC @0.8pf	100 kW	Amps: 347
Three-Phase 120/240 VAC @0.8pf	100 kW	Amps: 301
Three-Phase 277/480 VAC @0.8pf	100 kW	Amps: 150
Three-Phase 346/600 VAC @0.8pf	100 kW	Amps: 120

STARTING CAPABILITIES (sKVA)

sKVA vs. Voltage Dip

Alternator	kW	480 VAC						208/240 VAC					
		10%	15%	20%	25%	30%	35%	10%	15%	20%	25%	30%	35%
Standard	100	79	118	157	197	236	200	59	89	118	148	177	206
Upsize 1	130	116	174	323	290	348	406	87	131	174	218	261	305
Upsize 2	150	133	199	265	332	398	464	100	149	199	249	299	348
Upsize 3	200	187	280	373	467	560	653	140	210	280	350	420	490

FUEL CONSUMPTION RATES*

Fuel Pump Lift - ft (m)	Diesel - gal/hr (l/hr)	
	Percent Load	Standby
3 (1)	25%	2.2 (8.3)
Total Fuel Pump Flow (Combustion + Return) 29.1 gal/hr	50%	4.2 (15.9)
	75%	5.9 (22.3)
	100%	7.3 (27.6)

* Fuel supply installation must accommodate fuel consumption rates at 100% load.

COOLING

		Standby
Coolant Flow per Minute	gal/min (l/min)	44.6 (168.8)
Coolant System Capacity	gal (L)	5.65 (21.4)
Heat Rejection to Coolant	BTU/hr	269,130
Inlet Air	cfm (m³/hr)	6360 (180)
Max. Operating Radiator Air Temp	F° (C°)	122 (50)
Max. Ambient Temperature (before derate)	F° (C°)	110 (43.3)
Maximum Radiator Backpressure	in H ₂ O	0.5

COMBUSTION AIR REQUIREMENTS

	Standby
Flow at Rated Power cfm (m³/min)	325 (9.2)

ENGINE

		Standby
Rated Engine Speed	rpm	1800
Horsepower at Rated kW**	hp	152
Piston Speed	ft/min (m/min)	1559 (475)
BMEP	psi	165

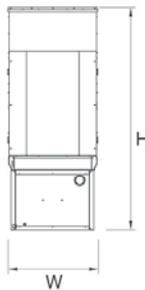
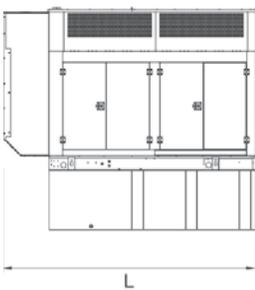
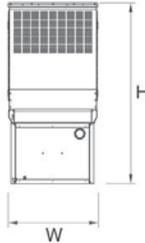
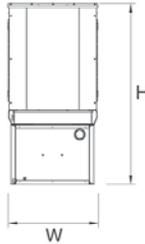
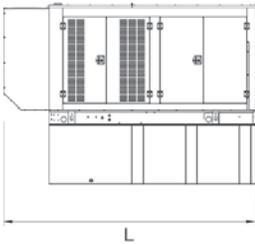
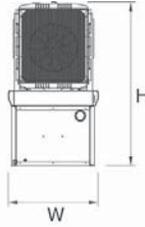
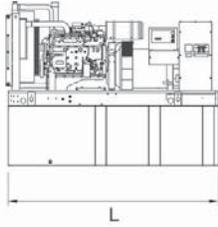
EXHAUST

		Standby
Exhaust Flow (Rated Output)	cfm (m³/min)	1022 (28.94)
Max. Backpressure (Post Silencer)	inHg (Kpa)	1.5 (5.1)
Exhaust Temp (Rated Output)	°F (°C)	885 (474)
Exhaust Outlet Size (Open Set)	mm (in)	101.6 (4)

**Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes.

Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions. Please consult a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528 and DIN6271 standards.

DIMENSIONS AND WEIGHTS*



YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER

OPEN SET

RUN TIME HOURS	USABLE CAPACITY GAL (L)	L x W x H in (mm)	WT lbs (kg) - Tank & Open Set	
			Steel	Aluminum
NO TANK	-	110 (2794) x 40 (1016) x 65 (1651)	3104 (1408)	
12	90 (340.7)	110 (2794) x 40 (1016) x 77 (1955.8)	3813 (1730)	
30	220 (832.8)	110 (2794) x 40 (1016) x 89 (2260.6)	4146 (1881)	
48	350 (1324.9)	110 (2794) x 40 (1016) x 101 (2565.4)	4488 (2036)	
70	510 (1930.6)	110 (2794) x 40 (1016) x 105 (2667)	4469 (2029)	
81	589 (2229.6)	128 (3251.2) x 49 (1244.6) x 107 (2717.8)	4948 (2244)	
95	693 (2623.3)	136 (3454.4) x 53 (1346.2) x 107 (2717.8)	4667 (2117)	

STANDARD ENCLOSURE

RUN TIME HOURS	USABLE CAPACITY GAL (L)	L x W x H in (mm)	WT lbs (kg) - Enclosure Only	
			Steel	Aluminum
NO TANK	-	133 (3378) x 40 (1016) x 64 (1625.6)	500 (227)	
12	90 (340.7)	133 (3378) x 40 (1016) x 77 (1956)	165 (75)	
30	220 (832.8)	133 (3378) x 40 (1016) x 89 (2261)	165 (75)	
48	350 (1324.9)	133 (3378) x 40 (1016) x 101 (2565)	165 (75)	
70	510 (1930.6)	133 (3378) x 47 (1194) x 105 (2667)	165 (75)	
81	589 (2229.6)	133 (3378) x 49 (1125) x 107 (2718)	165 (75)	
95	693 (2623.3)	133 (3378) x 53 (1346) x 107 (2718)	165 (75)	

LEVEL 1 ACOUSTIC ENCLOSURE

RUN TIME HOURS	USABLE CAPACITY GAL (L)	L x W x H in (mm)	WT lbs (kg) - Enclosure Only	
			Steel	Aluminum
NO TANK	-	154 (3912) x 40 (1016) x 64 (1626)	750 (340)	
12	90 (340.7)	154 (3912) x 40 (1016) x 77 (1956)	250 (112)	
30	220 (832.8)	154 (3912) x 40 (1016) x 89 (2261)	250 (112)	
48	350 (1324.9)	154 (3912) x 40 (1016) x 101 (2565)	250 (112)	
70	510 (1930.6)	154 (3912) x 47 (1194) x 105 (2667)	250 (112)	
81	589 (2229.6)	154 (3912) x 49 (1245) x 107 (2718)	250 (112)	
95	693 (2623.3)	154 (3912) x 53 (1346) x 107 (2718)	250 (112)	

LEVEL 2 ACOUSTIC ENCLOSURE

RUN TIME HOURS	USABLE CAPACITY GAL (L)	L x W x H in (mm)	WT lbs (kg) - Enclosure Only	
			Steel	Aluminum
NO TANK	-	145 (3683) x 40 (1016) x 81 (2057)	1000 (454)	
12	90 (340.7)	145 (3683) x 40 (1016) x 84 (2134)	330 (150)	
30	220 (832.8)	145 (3683) x 40 (1016) x 106 (2692)	330 (150)	
48	350 (1324.9)	145 (3683) x 40 (1016) x 118 (2997)	330 (150)	
70	510 (1930.6)	145 (3683) x 47 (1194) x 122 (3099)	330 (150)	
81	589 (2229.6)	145 (3683) x 49 (1245) x 124 (3150)	330 (150)	
95	693 (2623.3)	145 (3683) x 53 (1346) x 124 (3150)	330 (150)	

*All measurements are approximate and for estimation purposes only. Sound dBA can be found on the sound data sheet. Enclosure Only weight is added to Tank & Open Set weight to determine total weight.

Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please consult a Generac Power Systems Industrial Dealer for detailed installation drawings.

Power Series Transfer Switch

100 – 1,600 Amps

Contactors Type · Open and Delayed Transition

260A 120/240 3phase 3 Pole NEMA 4X

- Automatic Transfer Switch
- 100 – 1,600 A, up to 600 VAC, 50/60 Hz
- 2, 3 or 4 Poles
- NEMA 1, 3R or 4X
- Open with Inphase and Delayed Transition
- UL 1008 Listed
- CSA C22.2 No. 178 Certified



Image used for illustration purposes only

Codes and Standards

Not all codes and standards apply to all configurations. Contact factory for details.



UL 1008 Listed



CSA C22.2 No. 178 Certified



NFPA 37, 70, 99, 110



NEC 700, 701, 702, 708



ISO 3046, 7637, 8528, 9001,
Pluses #2b, 4



NEMA ICS10, MG1, 250, ICS6, AB1



ANSI C62.41



IEC 61000 EMC Testing and
Measuring



IBC 2009, CBC 2010, IBC 2012,
ASCE 7-05, ASCE 7-10, ICC-ES
AC-156 (2012)

Description

Generac's Contactor Type Transfer Switches are double-throw and interlocked with an over center design to ensure safe, positive transfer between power sources. The switches are 3 cycle rated to ease breaker selection and coordination. The mechanism is field proven and operated via a reliable, compact solenoid for high speed transfer of loads between power sources. The contacts are silver composite for long life, resisting pitting or burning. The switches are rated for full load transfers in critical operating, emergency, legally required, and optional power systems.

The microprocessor based controller is flexible with extensive programmable options. The standard product offers both open with inphase and delayed transition. The 2 line – 32 character LCD displays real time and historical information with time-stamped events. The integrated plant exerciser is configurable in off, daily, 7, 14, 28 day intervals with user configurable run time. With the standard features of pretransfer contacts, three phase sensing on utility and generator sources, phase unbalance, phase reversal, load shed/emergency inhibit and communications (Modbus[®] RTU).

Power Series Transfer Switch

100 – 1,600 Amps

Contacting Type · Open and Delayed Transition

STANDARD FEATURES

GENERAL

- Double-Throw, Solenoid-Operated Transfer Mechanism
- LCD-Based Display for Programming, System Diagnostics and Help Menu Display
- Mimic Diagram with Source Available and Connected LED Indicator
- Time-Stamped History Log
- System TEST Pushbutton
- Programmable Plant Exerciser - OFF, Daily, 7, 14, 28 Day Interval Selectable Run Time 0-600 Minutes No Load/Load with Failsafe
- Methods of Transfer Include: Open with Inphase Transition Only, Time Delay in Neutral Transition, or Inphase with a Default to Time Delay in Neutral Transfer
- Mechanically Interlocked to Prevent Connection of Both Sources
- Field-Selectable Multi-Tap Transformer Panel Permits Operation on a Wide Range of System Voltages
- Modbus® RTU
- ATC-300+ Controller
- Operating Temperature -4 ° to 158 °F (-20 ° to 70 °C)

VOLTAGE AND FREQUENCY SENSING

- Three Phase Under and Over Voltage Sensing on Normal and Emergency Sources
- Under and Over Frequency Sensing on Normal and Emergency
- Selectable Settings: Single or Three Phase Voltage Sensing on Normal, Emergency and Load 50 or 60 Hz
- Phase Sequence Sensing for Phase Sensitive Loads

CONTACTS

- Source Available:
 - Source-1 Present, 2-N.O. and 2-N.C.
 - Source-2 Present, 2-N.O. and 2-N.C.
- Switch Position:
 - Source-1 Position, 1-N.O. and 1-N.C.
 - Source-2 Position, 1-N.O. and 1-N.C.
- Pre-Transfer Signal Contacts 1-N.O. and 1-N.C.

CONFIGURABLE OPTIONS

- ATC-900 Controller
- Digital Multi-Function Power Quality Metering
- Ethernet Connectivity
- Remote Annunciator Panel with Control
- Remote Multi-Switch Annunciator Panel with Control
- Maintenance Selector Switch
- General Alarm Indication
- Transient Voltage Surge Suppression (TVSS)
- Padlockable Cover for Controller
- Padlockable Cover for Device Panel
- Emergency Inhibit
- Selectable Retransfer
- Manual Generator Retransfer

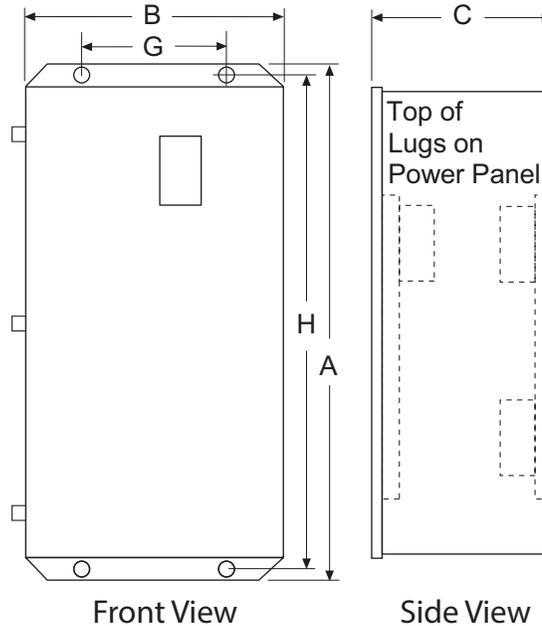
Power Series Transfer Switch

100 – 1,600 Amps

Contactor Type · Open and Delayed Transition

UNIT DIMENSIONS*

Automatic, Open Transition with Inphase up to 400A Wall Mount



Contactor Type, Open and Delayed Transition, 100 – 600 A, Wall Mount

Voltage	Amperes	Transition	Enclosure Type (NEMA)	in (mm)			G (Horizontal)	H (Vertical)	Cu/Al		lbs (kg) Weight
				A (Height)	B (Width)	C (Depth)			Load Side, Normal and Standby Source	Neutral Connection	
480 and below	100	Open with Inphase	1, 3R	38.7 (983)	18.3 (465)	13.3 (334)	10.3 (260)	37.4 (950)	(1) #14-2/0	(3) #14-1/0	156 (71)
			4X	37.5 (953)	17.5 (445)	14.3 (364)	11.5 (292)	36.3 (921)	(1) #14-2/0	(3) #14-1/0	156 (71)
		Open with Inphase and Delayed	1, 3R	52.0 (1,321)	19.8 (503)	16.8 (426)	13.0 (330)	47.8 (1,215)	(1) #14-2/0	(3) #14-1/0	250 (113)
			4X	52.0 (1,321)	21.0 (533)	16.8 (426)	15.0 (381)	50.8 (1,289)	(1) #14-2/0	(3) #14-1/0	250 (113)
	150-200	Open with Inphase	1, 3R	38.7 (983)	18.3 (465)	13.3 (334)	10.3 (260)	37.4 (950)	(1) #6-250 MCM	(3) 1/0-250 MCM	160 (73)
			4X	37.5 (953)	17.5 (445)	14.3 (364)	11.5 (292)	36.3 (921)	(1) #6-250 MCM	(3) 1/0-250 MCM	160 (73)
		Open with Inphase and Delayed	1, 3R	52.0 (1,321)	19.8 (503)	16.8 (426)	13.0 (330)	47.8 (1,215)	(1) #6-250 MCM	(3) 1/0-250 MCM	250 (113)
			4X	52.0 (1,321)	21.0 (533)	16.8 (426)	15.0 (381)	50.8 (1,289)	(1) #6-250 MCM	(3) 1/0-250 MCM	250 (113)
	225-400	Open with Inphase	1, 3R	52.0 (1,321)	19.8 (503)	16.8 (426)	13.0 (330)	47.8 (1,215)	(2) 1/0-250 MCM or (1) 1/0-750 MCM	(6) 250-500 MCM	250 (113)
			4X	52.0 (1,321)	21.0 (533)	16.8 (426)	15.0 (381)	50.8 (1,289)	(2) 1/0-250 MCM or (1) 1/0-750 MCM	(6) 250-500 MCM	250 (113)
		Open with Inphase and Delayed	1, 3R	52.0 (1,321)	19.8 (503)	16.8 (426)	13.0 (330)	47.8 (1,215)	(2) 1/0-250 MCM or (1) 1/0-750 MCM	(6) 250-500 MCM	250 (113)
			4X	52.0 (1,321)	21.0 (533)	16.8 (426)	15.0 (381)	50.8 (1,289)	(2) 1/0-250 MCM or (1) 1/0-750 MCM	(6) 250-500 MCM	250 (113)
600	100	Open with Inphase	1, 3R	38.7 (983)	19.8 (503)	13.3 (339)	10.3 (260)	37.4 (950)	(1) #6-250 MCM	(3) #14-1/0	164 (74)
			4X	37.5 (953)	21.0 (533)	14.3 (364)	11.5 (292)	36.3 (921)	(1) #6-250 MCM	(3) #14-1/0	164 (74)
		Open with Inphase and Delayed	1, 3R	52.0 (1,321)	19.8 (503)	16.8 (426)	13.0 (330)	47.8 (1,215)	(1) #6-250 MCM	(3) 1/0-250 MCM	260 (118)
			4X	52.0 (1,321)	21.0 (533)	16.8 (426)	15.0 (381)	50.8 (1,289)	(1) #6-250 MCM	(3) 1/0-250 MCM	260 (118)
	150-200	Open with Inphase	1, 3R	52.0 (1,321)	19.8 (503)	16.8 (426)	13.0 (330)	47.8 (1,215)	(1) #6-250 MCM	(3) 1/0-250 MCM	260 (118)
			4X	52.0 (1,321)	21.0 (533)	16.8 (426)	15.0 (381)	50.8 (1,289)	(1) #6-250 MCM	(3) 1/0-250 MCM	260 (118)
		Open with Inphase and Delayed	1, 3R	52.0 (1,321)	19.8 (503)	16.8 (426)	13.0 (330)	47.8 (1,215)	(1) #6-250 MCM	(3) 1/0-250 MCM	260 (118)
			4X	52.0 (1,321)	21.0 (533)	16.8 (426)	15.0 (381)	50.8 (1,289)	(1) #6-250 MCM	(3) 1/0-250 MCM	260 (118)

* All measurements are approximate and for estimation purposes only. Specification characteristics may change without notice. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.

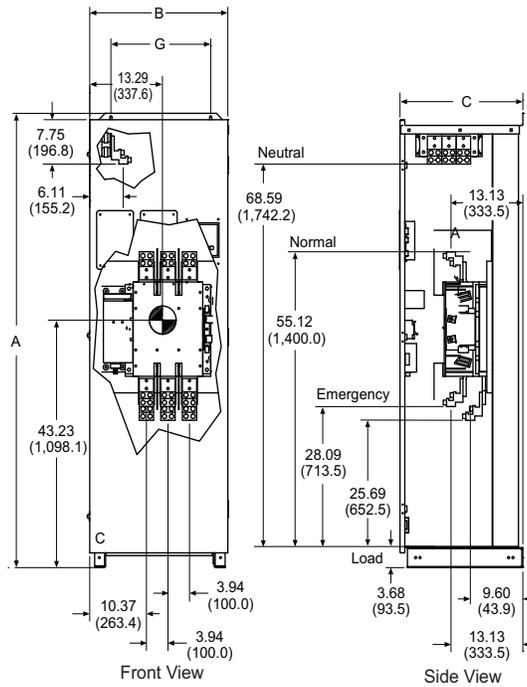
Power Series Transfer Switch

100 – 1,600 Amps

Contactor Type · Open and Delayed Transition

UNIT DIMENSIONS*

Automatic, 600–1,200A Open and Delayed Transition, Floor Standing, Wall Secured



Contactor Type, Open and Delayed Transition, 600 – 1,200A, Floor Standing, Wall Secured

Voltage	Amperes	Transition	Enclosure Type (NEMA)	in (mm)			G (Horizontal)	H (Vertical)	Cu/Al		lbs (kg) Weight
				A (Height)	B (Width)	C (Depth)			Load Side, Normal and Standby Source	Neutral Connection	
480 and below	600-1,200	Open with Inphase and Delayed	1, 3R	79.4 (2,017)	25.3 (641) 3-pole 29.20 (741) 4-pole	22.5 (571)	N/A	N/A	(4) 1/0-750 MCM	(12) 1/0-750 MCM	600 (272) 3-pole 650 (295) 4-pole
			4X	84.8 (2,153)	29.0 (737) 3-pole	24.3 (616)	N/A	N/A	(4) 1/0-750 MCM	(12) 1/0-750 MCM	700 (318) 3-pole 750 (340) 4-pole
600	225-1,200	Open with Inphase and Delayed	1, 3R	79.4 (2,017)	29.2 (741)	22.5 (571)	N/A	N/A	(2) 1/0-250 MCM or (1) 1/0-750 MCM	(6) 250-500 MCM	600 (272) 3-pole 650 (295) 4-pole
			4X	84.8 (2,153)	29.0 (737) 3-pole	24.3 (616)	N/A	N/A	(2) 1/0-250 MCM or (1) 1/0-750 MCM	(6) 250-500 MCM	700 (318) 3-pole 750 (340) 4-pole

* All measurements are approximate and for estimation purposes only. Specification characteristics may change without notice. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.

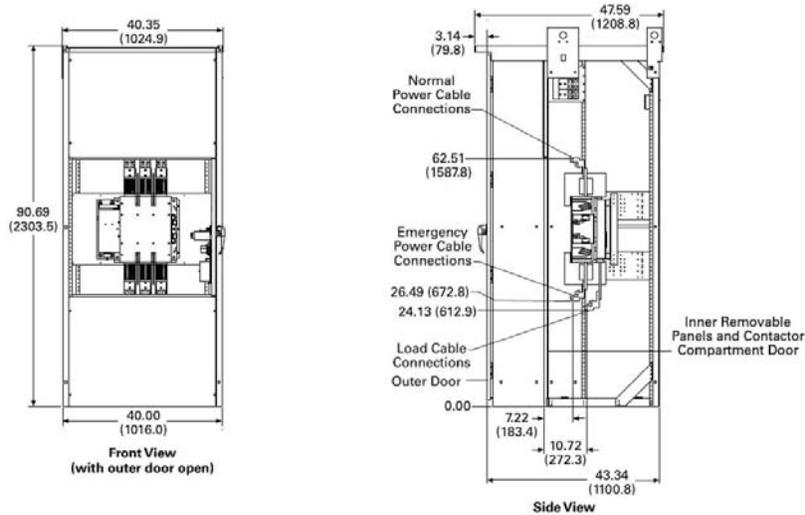
Power Series Transfer Switch

100 – 1,600 Amps

Contactor Type · Open and Delayed Transition

UNIT DIMENSIONS*

Automatic, 1,600A, Open and Delayed Transition, Freestanding



Contactor Type, Open and Delayed Transition, 1,600A, Freestanding

Voltage	Amperes	Transition	Enclosure Type (NEMA)	in (mm)			G (Horizontal)	H (Vertical)	Cu/Al		lbs (kg)
				A (Height)	B (Width)	C (Depth)			Load Side, Normal and Standby Source	Neutral Connection	
480 and below	1,600	Open with Inphase and Delayed	1	90.0 (2,286)	40.0 (1,016)	29.0 (737)	N/A	N/A	(4) 1/0-750 MCM	(12) 1/0-750 MCM	480 (218) 3-pole 500 (227) 4-pole
			3R	90.7 (2,304)	40.4 (1,025)	47.6 (1,209)	N/A	N/A	(4) 1/0-750 MCM	(12) 1/0-750 MCM	530 (241) 3-pole 550 (250) 4-pole

* All measurements are approximate and for estimation purposes only. Specification characteristics may change without notice. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.

Power Series Transfer Switch

100 – 1,600 Amps

Contact Type · Open and Delayed Transition

SPECIFICATIONS

UL 1008 Withstand and Closing Ratings

Ampere Rating	Transition	Any Breaker (0.05 sec)		Specific Breaker ¹		Specific Fuse					
		480 V and Below Max (kA)	600 V Max (kA)	480 V and Below Max (kA)	600 V Max (kA)	480 V and Below Max (kA)	Fuse Class	Max Fuse	600 V Max (kA)	Fuse Class	Max Fuse
100	Open with Inphase Only	10	10	30	22	100	K5, RK5	200	100	K5, RK5	200
							K1, RK1	400		K1, RK1	400
							J, T	450		J, T	450
	Open with Inphase and Delayed	30	22	50	35	200	RK1, RK5, J, C, K1, K5	600	200	RK1, RK5, J, C, K1, K5	600
							L	800		L	800
							T	1,200		T	1,200
150-200	Open with Inphase Only	10	22	30	35	100	K5, RK5	400	200	RK1, RK5, J, C, K1, K5	600
							J, K1, RK1	600		L	800
							T	800		T	1,200
	Open with Inphase and Delayed	30	22	50	35	200	RK1, RK5, J, C, K1, K5	600	200	RK1, RK5, J, C, K1, K5	600
							L	800		L	800
							T	1,200		T	1,200
225-400	Open with Inphase Only	30	50	50	65	200	RK1, RK5, J, C, K1, K5	600	200	J, T, L, RK5	600
							L	800		L	1,600
							T	1,200			
	Open with Inphase and Delayed	30	50	50	65	200	RK1, RK5, J, C, K1, K5	600	200	J, T, L, RK5	600
							L	800		L	1,600
							T	1,200			
600-1,200	Open with Inphase and Delayed	50	50	65	65	200	J, T, L, RK5	600	200	J, T, L, RK5	600
							L	1,600		L	1,600
1,600	Open with Inphase and Delayed	50	–	65	–	200	J, T, L, RK5	600	–	–	–
							L	2,000			

¹ See specific breaker list available on GenConnect

H-100 CONTROL PANEL



The Quiet-Test™ H-100 Control Panel is a digital microprocessor electronic controller that integrates all engine and transfer switch functions into a single control system.

- Digital Controls for All Safety Shutdowns
- Isochronous Governor Control
- Digital 3 Phase Sensing Voltage Regulator
- Sealed Digital Circuit Board
- Mates with HTS Transfer Switch and Any 2-wire Start ATS
- Alarm and Event Logging
- Built-in Diagnostics
- Internal PLC

Features

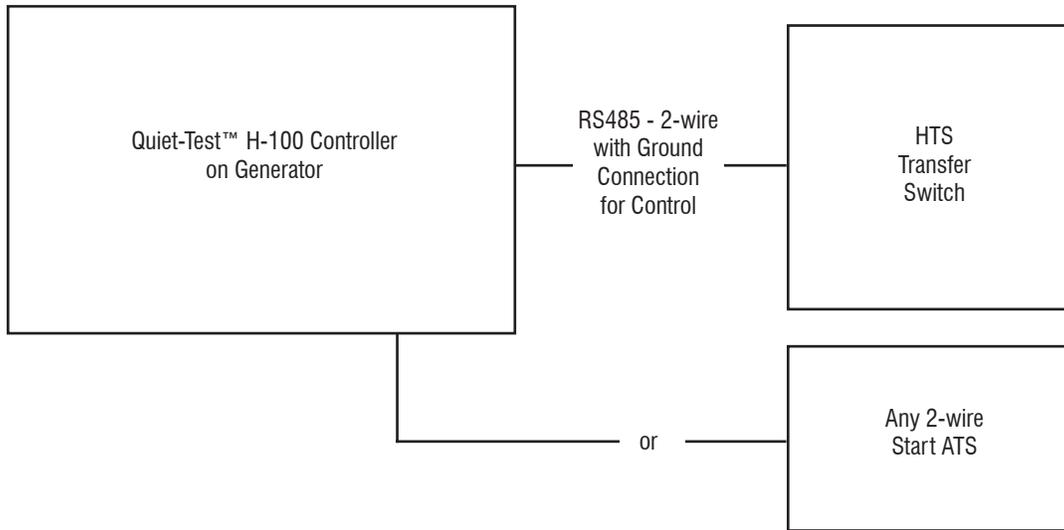
- Two 4-line x 20 Displays
- Full System Status
- 3 Phase Sensing Digital Voltage Regulator
- Remote Ports
 - RS232
 - RS485
 - CANbus
- Waterproof Connections
- Built -in PLC
- Full Range Standby Operation
- Full System Status
 - 3 Phase AC Volts
 - 3 Phase Amps
 - kW
 - Power Factor
 - Reactive Power
 - Oil Pressure
 - Water Temperature
 - Water Level
 - Oil Temperature (Optional)
 - Fuel Pressure
 - Engine Speed
 - Battery Voltage
 - Alternator Frequency
 - Time
 - Date
 - Transfer Switch Status
 - Run Hours
 - Service Reminders
 - Trending
 - Fault History (Alarm Log)
 - I²T Function for Full Generator Protection
- Shutdowns
 - Overvoltage
 - Overspeed
 - Low Oil Pressure
 - High Coolant Temperature
 - Low Coolant Level
- Remote Communications
- Configurable to NFPA 110, Level 1 or 2
- Programmable Auto Crank
- Emergency Stop
- On/Off/Manual Switch
- Not in Auto Flashing Light
- Audible Alarm for Fault Condition
- Transfer Switch Logic Communicates with HTS Transfer Switch
- Selectable Low Speed Exercise
- Temperature Range: -40° to +70°C

The generator set parameters can be manipulated and monitored without standing in front of the control panel with GenLink® software. The Generac H-100 control panel also monitors and controls transfer switch functions when used with the HTS transfer switch.

- Monitors Utility Voltage
- Monitors Generator Voltage
- Timer for Line Interrupt Delay
- Timer for Engine Warmup
- Timer for Minimum Engine Run Time
- Timer for Return to Utility Position
- Timer for Engine Cooldown
- Built-in Exerciser Timer (7 Day)
- Additional 2-wire Start Controls for Any 2-wire Transfer Switch

H-100 CONTROL PANEL

Typical Control Connection



ALTERNATOR DATA SHEET

K0130124Y21

General Characteristics

Voltages (V)	208/240 and 480	Number of Leads	12
Frequency (Hz)	60	Winding Type	Reconnectable
Phases (Ø)	3	Air Flow (CFM)	483
Speed (RPM)	1,800	Total Harmonic Distortion (%)	<5
Excitation System	PMG/Brushless	Largest Single Harmonic Value (%)	<3.5
Insulation Class	H	Telephone Interference Factor (TIF)	<50
Winding Pitch	2/3	Reference Part Number	0J1385F01R, 0L4175V01R, 0J1385E01R, 0L4175E01R

Ratings at 0.8PF Based on 40 °C Ambient

Voltage (V)	80 °C Rise		105 °C Rise		120 °C Rise		150 °C Rise	
	kW	kVA	kW	kVA	kW	kVA	kW	kVA
208/240	99	124	119	149	130	162	140	175
480	99	124	119	149	130	162	140	175

Base Data at 480V, 162 kVA, 1,800 RPM, 60 Hz, 3Ø

Description	Value
Stator Resistance, Line to Line, High Wye Connection (Ω)	0.0250
Rotor Resistance (Ω)	2.2000
Exciter Stator Resistance - PMG/Brushless (Ω)	5.5000/6.0000
Exciter Rotor Resistance - PMG/Brushless (Ω)	0.5155/0.4565
Excitation Winding Resistance - PMG/Brushless (Ω)	1.3334/0.5042
X _d , Direct Axis Synchronous Reactance (p.u.)	2.630
X ₂ , Negative Sequence Reactance (p.u.)	0.230
X ₀ , Zero Sequence Reactance (p.u.)	0.030
X' _d , Direct Axis Transient Reactance (p.u.)	0.180
X'' _d , Direct Axis Subtransient Reactance (p.u.)	0.140
X _q , Quadrature Axis Synchronous Reactance (p.u.)	1.150
T' _d , Direct Axis Transient Short Circuit Time Constant (s)	0.054

Description	Value
T'' _d , Direct Axis Subtransient Short Circuit Time Constant (s)	0.008
T' _{do} , Direct Axis Transient Open Circuit Time Constant (s)	1.235
T _a , Short Circuit Time Constant of Armature Winding (s)	0.018
Phase Sequence CCW-NDE	T1, T2, T3
Voltage Balance, L-L or L-N (%)	2.5
Deviation Factor (%)	7
High Wye Connection, Sustained 3Ø Short Circuit Current (%) - PMG Only	300
X/R	7
Short Circuit Ratio	0.46
Heat Rejection (BTU/hr) - 100% Rated Load, 480V, 0.8PF, 120 °C Temperature Rise	59,916

Reference: Mil-STD-705B
All Ratings are Nominal

ALTERNATOR DATA SHEET

K0130124Y21

skVA

	10%	15%	20%	25%	30%	35%
480 V @ 0.3PF	77	120	169	223	292	361
480 V @ 0.6PF	94	139	192	251	327	403
208/240 V @ 0.3PF	78	120	169	223	294	365
208/240 V @ 0.6PF	89	137	192	250	327	404

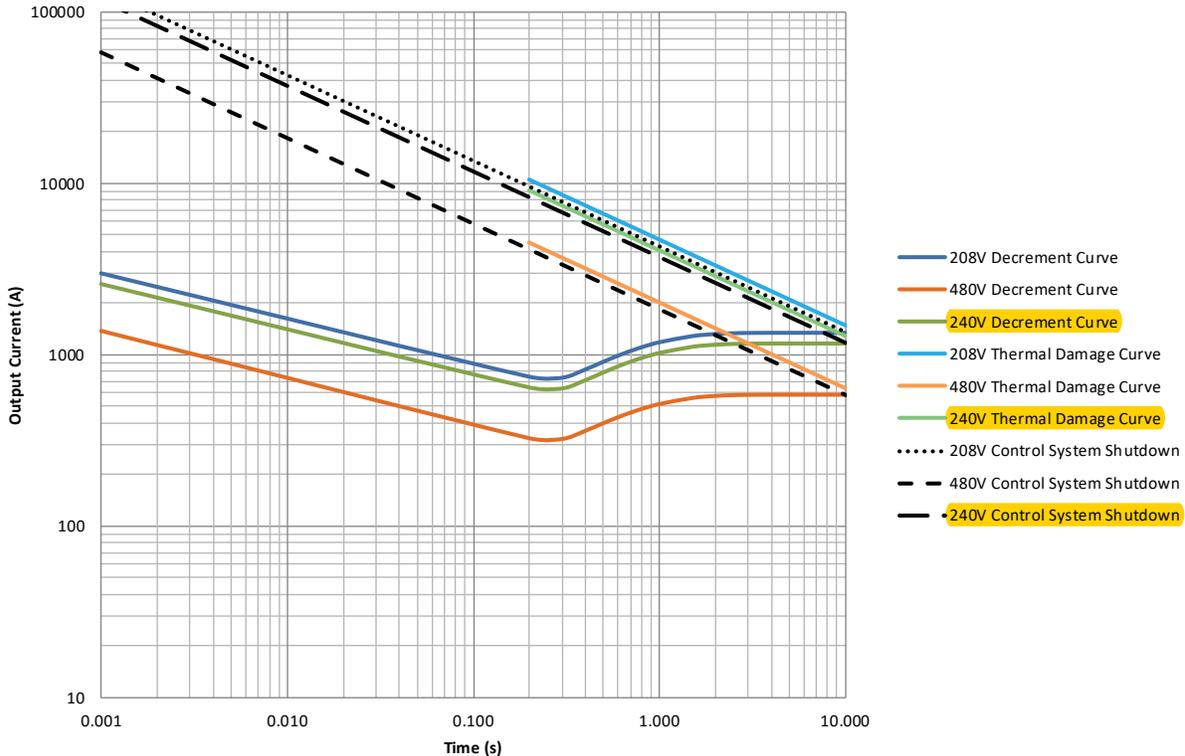
Efficiencies

Rated Power*	480 @ 0.8PF	480 @ 1.0PF	208/240 @ 0.8PF	208/240 @ 1.0PF
20%	86.8	88.0	86.9	88.1
40%	89.9	92.0	90.1	92.0
60%	90.0	92.8	90.1	92.8
80%	89.3	92.6	89.1	92.5
100%	88.1	92.1	88.0	92.0

*Rated Power value is rating kW at 120 °C Winding Temperature Rise and 0.8PF

LOG LOG Decrement Curve

Balanced 3Ø Short Circuit Decrement and Thermal Damage Current Limit Curves



GENprotect™

Seamless Protection for Industrial Power Generators

GENprotect Operation

The design choice of an onsite power system using a Generac Industrial Power Generator assures your emergency power source is protected from unexpected power distribution faults. Typically, a generator will include some type of over-current device, such as a circuit breaker, or be protected by inherent design with the controller protecting the alternator through a protection algorithm. Generac's GENprotect generator protection system monitors the system current output and protects the alternator with extended security against fault scenarios that could occur within the site's downstream distribution system.

It is a common misconception that the alternator's main circuit breaker protects the alternator from a short circuit event. The main output breaker protects the cabling and provides a convenient disconnect. The characteristic trip curve for the industry standard thermal magnetic breaker (MCCB, molded case thermal magnetic or solid state) does not coordinate with the thermal damage limitation for an on-site generator. If circuit breakers are used for generator protection, a solid-state circuit breaker with full adjustments (Long Time, Short Time and Instantaneous, LSI) is required to coordinate the breaker protection curve within the generator thermal damage curve. Historically, this limitation was often accepted in system design since failures of the main generator feeder are extremely rare. Most short circuit events happen at a branch circuit, equipment level, where the fault is easily cleared by the smaller down stream breakers.

Given the mission critical nature of today's back-up power applications, it is more desirable to protect the system against even relatively rare failure modes. As generator controllers have become more powerful it is feasible for manufactures to supply coordinated short circuit protection integral to the generator control system, negating the need for a main-line circuit breaker.

Generac's GENprotect alternator protection algorithm monitors the generator output. If this monitoring senses short circuit current in excess of rated amps, GENprotect steps in to provide a controlled and safe approach to breaker coordination and alternator protection. GENprotect first limits the alternator short circuit current level to 300%. By limiting the available fault current, GENprotect extends the time the alternator can maintain fault current resulting in consistent breaker coordination. Without this functionality a

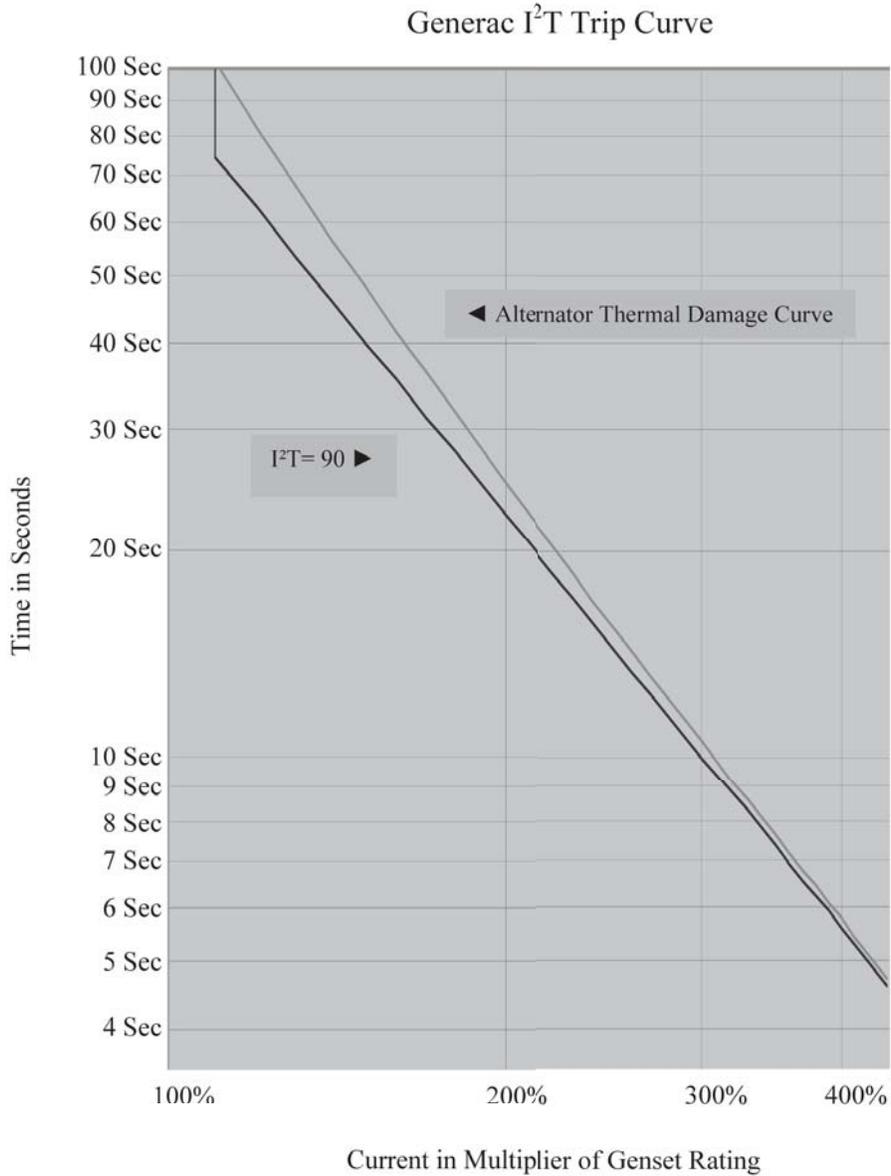
line to neutral fault may be at 800% of rated current and need to be cleared within 1.4 seconds. The second function GENprotect performs is I²T thermal protection for the alternator. Since a short circuit event can heat the alternator so rapidly, it is not possible to protect the alternator by monitoring temperature. Instead GENprotect calculates the heat energy of the fault current. When this energy reaches the limits of NEMA MG1, GENprotect trips the generator off-line. This configuration ensures the alternator is protected and the power system is ensured 10 seconds of 300% fault current for breaker coordination.

DESCRIPTION

- GENprotect is an alternator protection algorithm approved by UL.
- Protects alternator from damage due to shorts and electrical faults.
- Provides breaker coordination and alternator protection.
- Allows for use of multiple circuit breaker choices, including "no" breaker.



GENprotect™ Seamless Protection for Industrial Power Generators



The above Figure shows the Generac GENprotect thermal protection curve for use in protection and coordination studies. The alternator Thermal Damage Curve is shown just to the right of the GENprotect protection curve. If the alternator load is greater than the thermal damage protection curve for the alternator, the generator set will trip off-line. For example, an overload current of 110% for 75 seconds causes an overload alarm and will trip the generator off-line, shutting down the engine. GENprotect will provide generator protection over a full range of time and current, from instantaneous faults to overloads lasting several minutes. An advantage of GENprotect over a MCCB is that GENprotect allows for downstream breakers to clear faults without tripping the generator off-line, providing selective coordination with the first level of downstream breakers.

INDUSTRIAL GENSET - BATTERY INDEX

• Warranty by Exide Corp. • Exide e-mail: tbгна@exide.com • 800-782-7848 National Hot line

INDUSTRIAL SPARK-IGNITED GENSETS - AVAILABLE BATTERIES

Engine	System Voltage	Battery Quantity	GENERAC PART #					
			058208 (Group 24F)	077483 (Group 26)	058665 (Group 27F)	061119 (Group 31)	061104 (Group 8D)	BT0015A02 (Group 8D)
G2.4	12	1		X				
G4.5	12	1			X	X		
G9.0	12	1			X	X		
G14.2	24	2					X	
G21.9	24	2					X	
G25.8	24	2					X	
G33.9	24	4					X	
G49.0	24	4					X	X

INDUSTRIAL DIESEL GENSETS - AVAILABLE BATTERIES

Engine	System Voltage	Battery Quantity	GENERAC PART #			
			058665 (Group 27F)	061119 (Group 31)	061104/BT0015A00 (Group 8D)	BT0015A02 (Group 8D)
D2.2 Perkins	12	1	X	X		
D2.4 Generac	12	1	X	X		
D3.4 Generac	12	1	X	X		
D4.5 FPT	12	1		X		
D6.7 FPT 100, 130kW	12	1 or 2 [†]		X		
D6.7 FPT 150, 175kW	12	2 [†]		X		
D8.7 FPT	24	2		X		
D10.3 FPT	24	2		X	X	
D12.9 FPT	24	2		X	X	
D12.5 Perkins	24	2			X	
D15.2 Perkins	24	2			X	
D16.0 Volvo	24	2		X	X	
D18.1 Perkins	24	2			X	
D33.9 MHI	24	2			X	X
D37.1 MHI	24	4			X	X
D49.0 MHI	24	4			X	X
D65.4 MHI	24	4			X	X

Part Number	Group Number*	Nominal CCA @ 0° F	DIMENSIONS (in) NOMINAL		
			L	W	H
058208	24F	525	6.75	10.63	9.00
077483	26	525	6.75	8.25	7.75
058665	27F	700	6.75	12.50	9.00
061119	31	925	6.75	13.00	9.40
061104/ BT0015A00	8D	1,155	11.00	20.80	10.00
BT0015A02	8D	1,300	11.00	20.80	10.00

All batteries are 12V, 6 cell construction, lead calcium type.
For 24V systems, batteries are wired in series.

X Battery available with electrolyte and installed in genset.

† Single or dual-paralleled battery options are available on 100 and 130kW. Single-battery option not available on 150 and 175kW.

* BCI Group Size reference.

GENERATOR ENCLOSURES



DESCRIPTION

GENERAC POWER SYSTEMS' generator enclosures provide year-round weather protection for your power equipment. Engineered with functionality and value in mind, the enclosure design benefits are unique in that the enclosures utilize dimensionally matched components for either a weather protective configuration or a sound attenuated/acoustic configuration. With common components used between design, modification and on-site upgrades can be accomplished with ease.

The enclosure design offers several benefits over the "standard enclosures" of other manufacturers. Generac's enclosures have been created with the goal of maximizing the customer's product performance satisfaction while maintaining the functionality of reducing exterior noise levels and discouraging product tampering.

Although others may require a "premium" for a self-enclosed exhaust system, rugged steel panel construction or protective polyethylene washers under all exterior panel fasteners, Generac includes these and several other features on every enclosure configuration. Be sure to compare. Generac Enclosures offer additional design enhancement extras that other "standard enclosures" do not.

GENERATOR ENCLOSURES

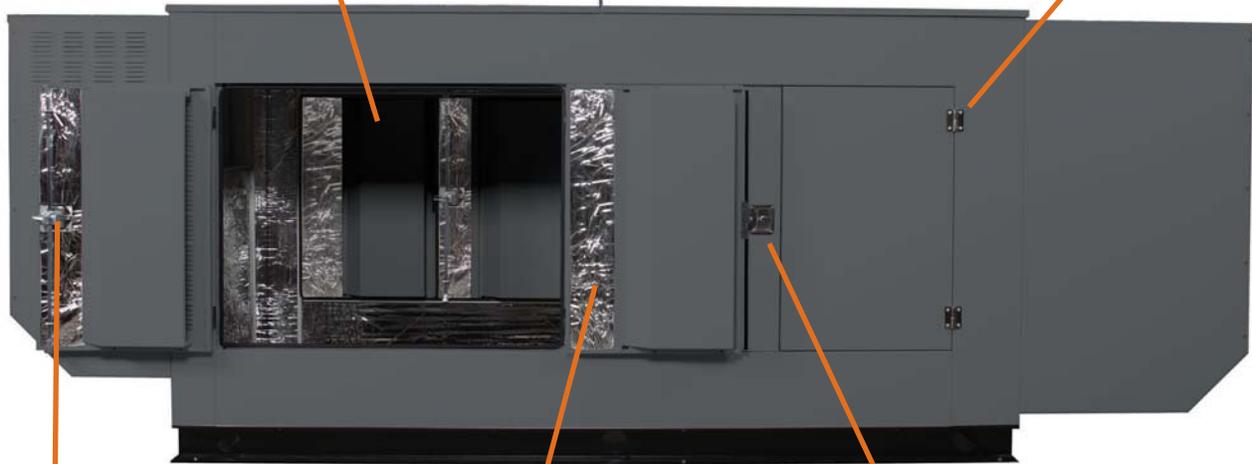
Post-Free Twin Doors
Provide Large, Unobstructed Service Access



Heavy Gauge, Stainless Steel, Partial Pin Hinges with Nylon Spacers
Durable, Corrosion-Free, Removable Doors



Gasket-Free, Interconnected Roof Panel Joint
Drip-Free, Maintenance-Free



Two-Point Door Latch System
Ensures Proper Seal
Preventing Water Ingress
and Sound Egress



Dense, Closed-Cell Foam Insulation with Reflective Silver Mylar Layer
Improved Sound Attenuation Without Damaging Effects From Radiant Heat Exposure



Lockable Turn and Tuck Stainless Steel Latch Handle
Corrosion-Free, Non-Protruding and Secure

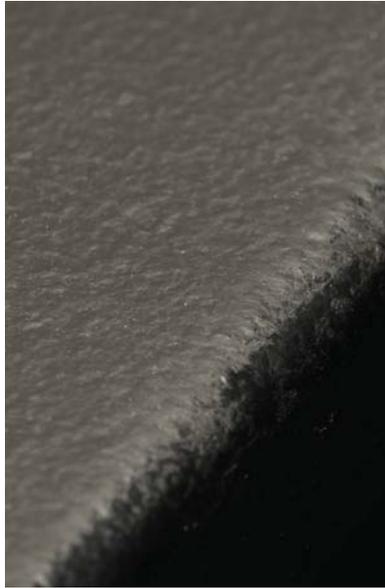


GENERATOR ENCLOSURES

FEATURES:	BENEFITS:
Dimensional matching of acoustic and non-acoustic enclosure designs	Reduces variation in fuel tank pricing, inventory; removes need to change out fuel tank or retrofit
Standardized enclosure components *	Ease of retrofit or upgrade to acoustic system; reduced parts inventory, costs
Enclosure mounted directly to unit baseframe	Simplified delivery and installation with enclosure and unit in single component design
Electrostatically painted panels	Maximum protection from weather elements
12 or 14 gauge steel based on kW rating	Maximum sound attenuation, protection and product life
Aluminum Enclosure optional	Prevents corrosion in coastal regions
Stainless steel door latch and hinge hardware	Provides extended component life; maximum protection against rusting
Stainless steel door latch strike plate	Maximum protection against enclosure paint damage from door latch pin
Door hinges utilize slip-pin design	Provides quick door removal for full-unit access
Polyethylene gasketing under door hinges	Additional protection for enclosure paint finish
Keyed door latches	Protection for equipment and personnel
Large removable access doors	Ease of maintenance
Relocation of access doors	Provides improved access to MLCB on all units
Redesigned door gasketing	Improved sealing quality from sound and weather elements
Weather resistant aluminum roof design with drip ledge	Provides optimum moisture/rain runoff from unit
Cabled and gasketed radiator access cover	Provides improved radiator access and additional protection from weather elements
Acoustic roof panels manufactured with mechanical retention pins	Increased acoustic foam retention within unit
Polyethylene washers under all panel fasteners	Additional paint finish protection from stainless steel fastener
Internally fastened enclosure panels (where possible)	Provides streamlined unit appearance
Additional roof panel stiffener	Added overall compartment rigidity and acoustic foam panel retention
Self-enclosed exhaust system	Provides safe unit operation; no enclosure hot spots; streamlined unit appearance
Discharge air duct has been designed with minimal fasteners	Ease of removal and access to exhaust system
Stainless steel exhaust band clamps	Provides extended component life; ensures proper exhaust seal
Drain holes within air ducts	Enables maximum water run-off
Rodent-proof, tamper proof enclosure design	Safety and security for personnel and equipment
Redesigned baseframe lifting lugs	Ease of unit relocation; prevents compartment damage from lifting straps
Up to 200 MPH wind kit options (Contact Factory for Availability)	Meets locally enforced wind requirements

* Consult Generac Power Systems, Inc. for installation drawings for specific configurations and dimensions.

RhinoCoat™



Generac's RhinoCoat™ finish system provides superior durability as a standard for all Generac Industrial enclosures, tanks and frames.*

Testing Standards

Generac's RhinoCoat™ finished surfaces are subjected to numerous tests. These include:

- ASTM D - 1186 - 87.....2.5+ MIL Paint Thickness
- ASTM D - 3363 - 92a.....Adequate Material Hardness
- ASTM D 522 - B.....Resistant to Cracking
- ASTM D 3359 - B.....Exceptional Adhesion
- ASTM B117 D 1654.....Resistant to Salt Water Corrosion
- ASTM D1735 D 1654.....Resistant to Humidity
- ASTM 2794 93 (2004).....Exceptional Impact Resistance
- SAEJ1690 - UV Specifications.....UV Protection

In addition to the testing standards above, Generac adds the following test requirements more specific to generator applications:

- Resistant to Typical Oils
- Resistant to Typical Fuels
- Resistant to Typical Antifreeze
- Resistant to Distilled Water

Primary Codes and Standards



*RhinoCoat™ powder coat paint is durable and corrosion resistant however it is not a rust preventative. Generac pretreats all powder coated parts to assist with resistance to corrosion.

EATON CIRCUIT BREAKERS

100% Rated Thermal-Magnetic

AMPS	VOLTS	ACCESSORIES	EATON PART #	SERIES	FRAME	GENERAC PART#
70	600	No Accessories	JGE3070FAGC	G	JG-FRAME	OH9302TH00
		Shunt Trip & Aux. Contacts	JGE3070FAGCA2 **			OH9302TH ***
80		No Accessories	JGE3080FAGC			OJ0841TH00
		Shunt Trip & Aux. Contacts	JGE3080FAGCA2 **			OJ0841TH ***
90		No Accessories	JGE3090FAGC			OJ0837TH00
		Shunt Trip & Aux. Contacts	JGE3090FAGCA2 **			OJ0837TH ***
100		No Accessories	JGE3100FAGC			OH9314TH00
		Shunt Trip & Aux. Contacts	JGE3100FAGCA2 **			OH9314TH ***
125		No Accessories	JGE3125FAGC			OJ0231TH00
		Shunt Trip & Aux. Contacts	JGE3125FAGCA2 **			OJ0231TH ***
150		No Accessories	JGE3150FAGC		OH9315TH00	
		Shunt Trip & Aux. Contacts	JGE3150FAGCA2 **		OH9315TH ***	
175		No Accessories	JGE3175FAGC		OH9316TH00	
		Shunt Trip & Aux. Contacts	JGE3175FAGCA2 **		OH9316TH ***	
200		No Accessories	JGE3200FAGC		OJ0232TH00	
		Shunt Trip & Aux. Contacts	JGE3200FAGCA2 **		OJ0232TH ***	
225		No Accessories	JGE3225FAGC		OH9317TH00	
		Shunt Trip & Aux. Contacts	JGE3225FAGCA2 **		OH9317TH ***	
250		No Accessories	JGE3250FAGC		OH9318TH00	
		Shunt Trip & Aux. Contacts	JGE3250FAGCA2 **		OH9318TH ***	
300	No Accessories	LGE3300FAGC	OH9319TH00			
	Shunt Trip & Aux. Contacts	LGE3300FAGCA2 **	OH9319TH ***			
350	No Accessories	LGE3350FAGC	OH9320TH00			
	Shunt Trip & Aux. Contacts	LGE3350FAGCA2 **	OH9320TH ***			
400	No Accessories	LGE3400FAGC	OH9321TH00			
	Shunt Trip & Aux. Contacts	LGE3400FAGCA2 **	OH9321TH ***			
500	No Accessories	LGE3500FAGC	OH9323TH00			
	Shunt Trip & Aux. Contacts	LGE3500FAGCA2 **	OH9323TH ***			
600	No Accessories	LGE3600FAGC	OH9324TH00			
	Shunt Trip & Aux. Contacts	LGE3600FAGCA2 **	OH9324TH ***			
700*	No Accessories	CMDLB3800T33W	OH9325TH00			
	Shunt Trip & Aux. Contacts	CMDLB3800T33WA13S02	OH9325THB0			
800*	No Accessories	CMDLB3800T33W	OH9326TH00			
	Shunt Trip & Aux. Contacts	CMDLB3800T33WA13S02	OH9326THB0			
900 ¹	No Accessories	NGS312033MCZ08	OH9327TH00			
	Shunt Trip & Aux. Contacts	NGS312033MCA12S03Z08	OH9327THB0			
1,000 ¹	No Accessories	NGS312033MCZ08	OH9328TH00			
	Shunt Trip & Aux. Contacts	NGS312033MCA12S03Z08	OH9328THB0			
1,200 ¹	No Accessories	NGS312033MCX23Y08	OH9329TH00			
	Shunt Trip & Aux. Contacts	NGS312033MCA12S03Y08	OH9329THB0			
1,400 ¹	No Accessories	RGH316033MCY22	OH9360TH00			
	Shunt Trip & Aux. Contacts	RGH316033MCA12S21Y22	OH9360THB0			
1,600 ¹	No Accessories	RGH316033MCY22	OH9361TH00			
	Shunt Trip & Aux. Contacts	RGH316033MCA12S21Y22	OH9361THB0			
2,000 ¹	No Accessories	RGH320033MC	OH9367TH00			
	Shunt Trip & Aux. Contacts	RGH320033MCA12S21	OH9367THB0			

*LS-type electronic trip breaker RMS 310 trip unit. ¹LS-type electronic trip breaker equipped with RMS 310+ trip unit.

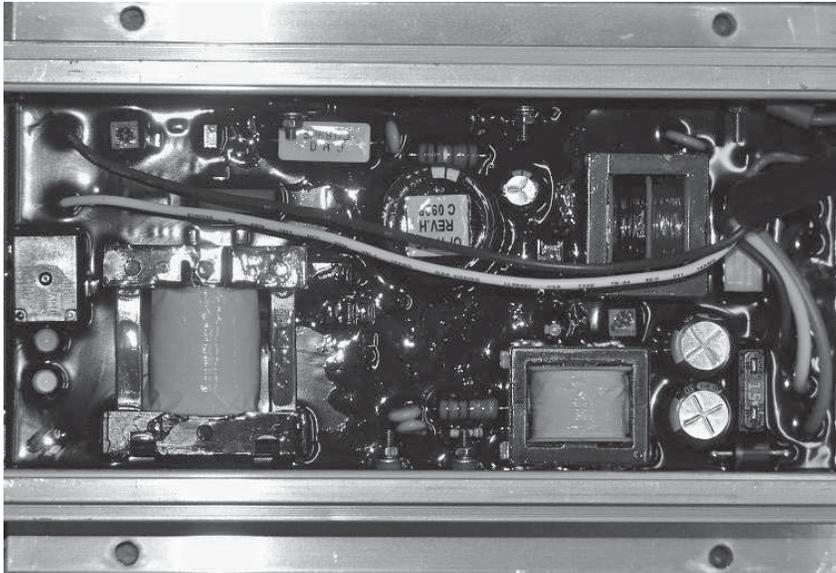
To finish part numbers with either a ** or *** Please see data below:

** 12V System, Use - S4
24V System, Use - S6

*** 12V System, use BO
24V System, use CO

BATTERY CHARGER

2.5 amp and 10 amp



Battery charger shown from inside of control panel enclosure. Connections are made via an attached harness.

The Generac 2.5 amp 12 volt and 10 amp 12/24 volt battery chargers are designed to work with Generac Industrial Controls to provide the ultimate in automatic battery voltage maintenance.

The 2.5 amp charger is self-regulating and produces instantaneous output current adjustments to keep the battery charged to an optimum level. Battery voltage is read on the control panel digital display.

The 10 amp charger has automatic float and equalize control. It precisely monitors the battery's voltage and automatically activates the correct charging mode. The charge rate is limited and controlled to efficiently and safely maintain ideal battery levels under varying conditions.

The equalize system uses a control circuit to limit charging current to 10 amps. When battery voltage drops below a preset level, charging current increases to 5 amps and then to the 10 amp charge rate if needed. When the battery reaches maximum charge, the charger switches to float mode to supply just enough current to maintain the battery at or above 13/26 volts. Battery voltage and charging current are read at the control panel digital display.

Specifications	2.5A	10A
Nominal Input	120 VAC	120 VAC
Operating AC Line Voltage Range	108 to 132 VAC	108 to 132 VAC
Input AC Line Frequency	50/60 Hz	50/60 Hz
Battery Fuse	N/A	15 A
Nominal Charge Rate	2.5 A	10 A
Equalize Voltage	N/A	13.8/27.6 V
Float Voltage	13.4 V	13.0/26.0 V
Current @ Equalize to Float Transition	N/A	5 A
Battery Under-voltage shutdown	N/A	11/22 V
LED Indicators	No	Yes
AC Line Voltage	N/A	Green LED
Battery Connected and Charging	N/A	Yellow LED
Battery Current Drain	30 mA	30 mA
AC Line Connection	Connector Plug	Connector Plug
Battery Connection	Connector Plug	Connector Plug
Control Connection		AC Power Fail Form Relay Form C 2 A Rating
CUL Recognized	Yes	Yes
NFPA 110 Compliant	No	Yes
AGM Compatible	No	Yes
UL1236	No	Yes
CSA 22.2 No. 107	No	Yes



EATON CIRCUIT BREAKER DATA LUG INFORMATION

Eaton Series C Circuit Breaker Lugs

Amps	Series	Frame	Standard Lug	
			Eaton Part #	Wire (QTY) Size
15-70	C	G	-	(1) #10-1/0
15-100	C	F	3T100FB	(1) #14-1/0
125-200	C	F	3TA225FD	(1) #4-4/0
225	C	F	3TA225FDK	(1) #6-300MCM
250	C	J	TA250KB	(1) #4-350MCM
300	C	K	TA350K	(1) 250-500MCM
350-400	C	K	3TA400K	(2) 3/0-250MCM
450-500	C	L	TA602LD	(2) 3/0-350MCM
600	C	L	3TA603LDK	(2) 400-500MCM
700-800	C	M	TA800MA2	(3) 3/0-400MCM
900-1,000	C	N	T1200NB3	(4) 3/0-400MCM
1,200	C	N	TA1201NB1	(3) 500-750MCM

Eaton Series G Circuit Breaker Lugs

Amps	Series	Frame	Standard Lug	
			Eaton Part #	Wire (Qty) Size
50-250	G	JG	TA250FJ	(1) #8-350MCM
300-600	G	LG	3TA632LK	(2) #2-500MCM
900-1,200	G	NG	TA1201NB1	(3) 500-750MCM
1,400-1,600	G	RG	T1600RD	(4) 1-600MCM
2,000	G	RG	Lugs Not Included	
2,500	G	RG	Lugs Not Included	

Power Series Transfer Switch

ATC-300+

Open and Delayed Transition Controller

- Automatic Transfer Switch, Open and Delayed Transition Controller
- Up to 600 VAC, 50/60 Hz
- Single and Three Phase
- UL Recognized Component

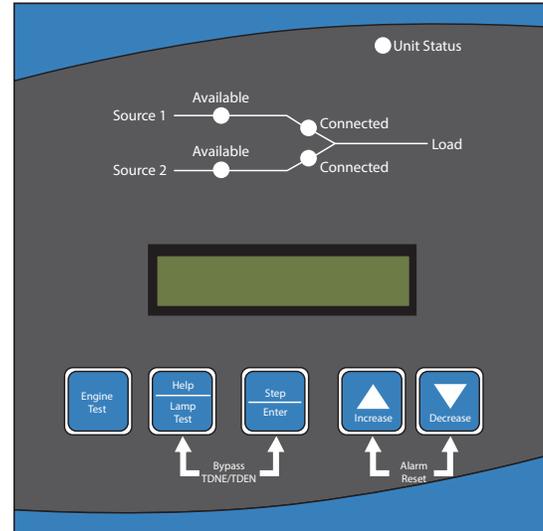


Image used for illustration purposes only

Codes and Standards



UL recognized component, complies with UL1008 and UL991



NFPA 37, 70, 99, 110 (complies)



Applicable for use in NEC 700, 701, 702, 708



ISO 3046, 7637, 8528, 9001, Pluses #2b, 4



ANSI C62.41



Seismic IBC 2009, CBC 2010, IBC 2012, ASCE 7-05, ASCE 7-10, ICC-ES AC-156 (2012) Certified in ATS assemblies



IEC 61000-4-2, 3, 4, 5, 6, 11 EMC Testing and Measuring (complies)



FCC Part 15, Class A (complies)

CISPR 11, Class A

Description

The ATC-300+ microprocessor-based ATS controller is unmatched in performance, reliability and functionality for critical operating, emergency, legally required and optional power systems. The easy to use front LCD display panel simplifies programming, routine operation, data presentation, and setting adjustments. The mimic diagrams displays source availability and connection, providing “at a glance” indication, further simplifying users interface. Designed beyond industry EMC standards, the ATC-300+ is rock-solid for transfer control operations, monitoring and reporting.

Customer/factory established parameters are stored in non-volatile memory. The controller has field-programmable time delays, plus displays real-time and historical information with a time-stamped history log. System testing is performed via a front screen test pushbutton. Features also include programmable plant exerciser—OFF, daily, 7, 14, 28-day interval programmable run times. With the standard features of pretransfer contacts, 3 phase sensing on utility and generator source, phase unbalance, phase reversal, load shed/emergency inhibit, and communications (Modbus® RTU) the ATC-300+ is the industry benchmark for transfer switch controllers. The ATC-300+ complies with UL 1008 / CSA C22.2-178.

Power Series Transfer Switch

ATC-300+

Open and Delayed Transition Controller

STANDARD FEATURES

GENERAL

- Monitors Both Voltage and Frequency on Utility and Generator
- Provides Undervoltage and Overvoltage Protection of the Utility and Generator Power Sources
- Provides Underfrequency and Overfrequency Protection of the Utility Generator Power Source
- Permits Easy Customer Set Up
- Displays Real-time and Historical Information
- Permits System Testing
- Stores Customer/Factory Established Parameters in Nonvolatile Memory
- Provides Faceplate Source Status Indications

INPUT FUNCTIONS

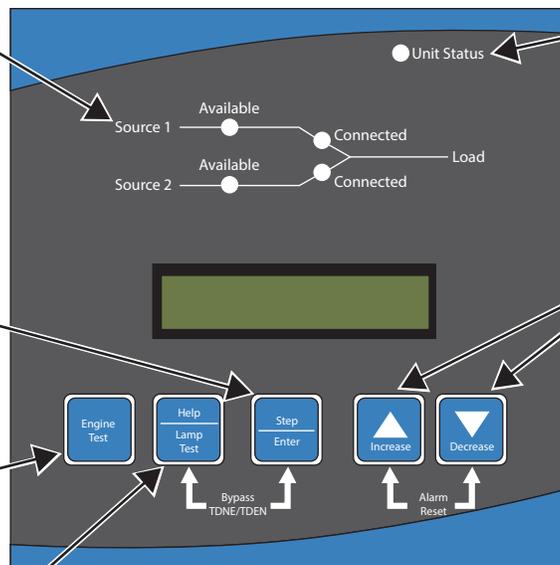
- Help/Lamp Test
- Engine Test
- Step/Enter
- Increase
- Decrease
- Alarm Reset
- Bypass Time Delay

OUTPUT FUNCTIONS

- Unit Status
- Utility Available
- Utility Connected
- Generator Available
- Generator Connected

Source 1, Source 2, and Load LEDs:

Shows status of both Sources and Load.



Unit Status LED:

Blinks once per second while the controller is in "Run" mode to indicate the controller has completed a self-diagnostic and system diagnostic cycle.

Step/Enter Button:

Allows for navigation through information and setpoint displays.

Increase/Decrease Buttons:

Increase or decrease setpoint values.

Engine Test Button:

Allows for testing of the Source 2 (generator) engine.

Help/Lamp Test Button:

Displays additional information about what is on the screen or, when pressed from the Home Screen, momentarily illuminates all LEDs and displays information such as the controller serial number and firmware version.

Power Series Transfer Switch

ATC-300+

Open and Delayed Transition Controller

SPECIFICATIONS AND PROGRAMMABLE SETPOINTS

SPECIFICATIONS

System Application Voltage	Up to 600 VAC RMS	50/60 Hz
Input Control Voltage	65 to 145 VAC	50/60 Hz
Voltage Measurements of	Utility VAB	Generator VAB
	Utility VBC	Generator VBC
	Utility VCA	Generator VCA
Voltage Measurement Range	0 to 790 VAC RMS	50/60 Hz
Voltage Measurement Accuracy	± 1% of Full Scale	
Frequency Measurements of	Utility and Generator (Source 1 and Source 2)	
Frequency Measurement Range	40 Hz to 70 Hz	
Frequency Measurement Accuracy	± 0.3 Hz Over the Measurement Range	
Operating Temperature Range	-4 to +158 °F (-20 to +70 °C)	
Storage Temperature Range	-22 to +185 °F (-30 to +85 °C)	
Operating Humidity	0 to 95% Relative Humidity (Non-condensing)	
Operating Environment	Resistant to Ammonia, Methane, Nitrogen, Hydrogen, and Hydrocarbons	
Generator Start Relay	5 A, 1/6 HP @ 250 VAC 5 A @ 30 VDC with a 150 W Maximum Load	
K1, K2 Relays	10 A, 1-3 HP @ 250 VAC	
	10 A @ 30 VDC	

PROGRAMMABLE SETPOINTS

Undervoltage Dropout Range	Breaker/Switch Style ATS	50% to 97% of the Nominal System Voltage
	Contactactor Style ATS	78% to 97% of the Nominal System Voltage
Undervoltage Pickup Range	Breaker/Switch Style ATS	(Dropout +2%) to 99% of the Nominal System Voltage
	Contactactor Style ATS	(Dropout +2%) to 99% of the Nominal System Voltage
Overvoltage Dropout Range	Breaker/Switch Style ATS	105% to 120% of the Nominal System Voltage
	Contactactor Style ATS	105% to 110% of the Nominal System Voltage
Overvoltage Pickup Range	Breaker/Switch Style ATS	103% to (Dropout -2%) of the Nominal System Voltage
	Contactactor Style ATS	103% to (Dropout -2%) of the Nominal System Voltage
Underfrequency Dropout Range	Breaker/Switch Style ATS	90% to 97% of the Nominal System Frequency
	Contactactor Style ATS	90% to 97% of the Nominal System Frequency
Underfrequency Pickup Range	Breaker/Switch Style ATS	(Dropout +1Hz) to 99% of the Nominal System Frequency
	Contactactor Style ATS	(Dropout +1Hz) to 99% of the Nominal System Frequency
Overfrequency Dropout Range	Breaker/Switch Style ATS	103% to 110% of the Nominal System Frequency
	Contactactor Style ATS	103% to 105% of the Nominal System Frequency
Overfrequency Pickup Range	Breaker/Switch Style ATS	101% to (Dropout -1Hz) of the Nominal System Frequency
	Contactactor Style ATS	101% to (Dropout -1Hz) of the Nominal System Frequency

Power Series Transfer Switch

ATC-300+

Open and Delayed Transition Controller

SPECIFICATIONS AND PROGRAMMABLE SETPOINTS

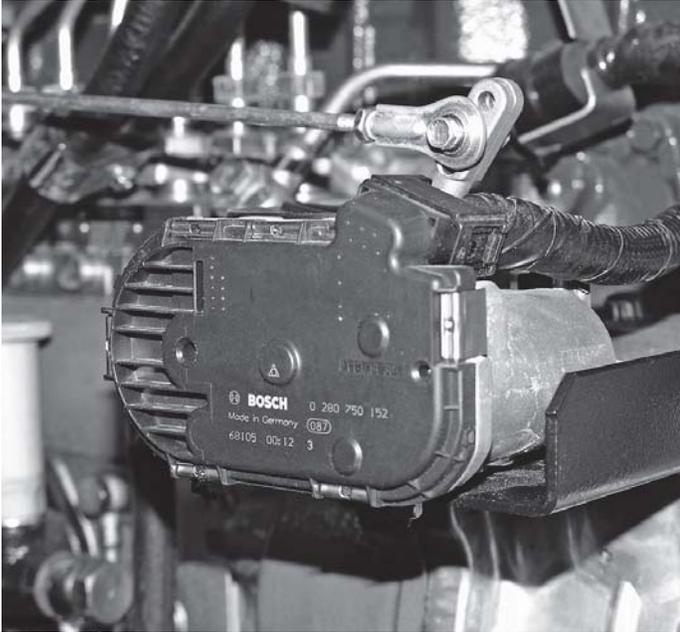
ADDITIONAL PROGRAMMABLE SETPOINTS

Time Delay Nml to Emr	0 to 1,800 seconds
Time Delay Emr to Nml	0 to 1,800 seconds
Time Delay Engine Cool	0 to 1,800 seconds
Time Delay Engine Start	0 to 120 seconds
Time Delay Neutral ¹	0 to 120 seconds
Time Delay Source 2 Fail	0 to 6 seconds
Time Delay Volt Unbal	10 to 30 seconds
Volt Unbal 3-Phase	0 or 1 (1 = Enable)
% of Unbal Volt Dropout	5% to 20% (DO)
	Dropout -2% to 3% (PU)
Nominal Voltage	120 to 600 Volts
Nominal Frequency	50 or 60Hz
Baud Rate	9,600 or 19,200
Phase Reversal 3-Phase	OFF, ABC, or CBA
In-Phase ²	0 or 1 (1 = Enable)
Pre-Transfer Signal	1 to 120 seconds
Manual/Retransfer	0 or 1 (1 = Enable)
Plant Exerciser	Off, Daily, 7-Day, 14-Day, 28-Day Intervals
	0 to 600 minutes
	Load or No Load
Daylight Svgs Time Adj	0 or 1 (1 = Enable)
System Selection	Utility/Generator or Dual Utility
Modbus Address	1 to 247
Communications	Modbus [®] RTU
	Ethernet and/or Remote Annunciator (Optional)
Applicable Testing	UL Recognized Component
	UL 1008, UL 991 Environmental
	IEC 61000-4-2, 61000-4-3, 61000-4-4, 61000-4-5, 61000-4-6, 61000-4-11
	CISPR 11, Class A
	FCC Part 15, Class A
Enclosure Compatibility	NEMA 1, NEMA 3R, NEMA 4X, and NEMA 12
	UV Resistant ATC-300+ Faceplate

1. Not available on open transition with inphase only switches
2. Not available on molded case type switches

ELECTRONIC GOVERNOR

Diesel Engines



Generac’s electronic isochronous governor systems are standard on all diesel gensets utilizing Generac’s Digital Control Platforms.

- Isochronous Speed Regulation
- ±0.25% Steady State Regulation
- Factory Installed and Adjusted
- Fully Adjustable
- Fast Response
- High Reliability
- Environmentally Sealed

ACTUATOR

Die cast enclosure housing the throttle plate and the gear-driven rotary actuator with the interior components sealed against dust, dirt and moisture. The gear drive is directly connected to the throttle plate for fast and precise control. Safety spring-return to a closed position upon loss of power.

Design	Bosch
Type.....	Electronically Actuated Throttle Valve
Operating Voltage.....	12/24VDC
Response Time	< 100 ms
Operating Temperature Range.....	-40° F to 284° F
Output.....	Rotary (internal - no linkage)

CONTROLLER

The governor driver module is located in the generator control panel. A sealed unit with waterproof connections and a feedback circuit from the actuator for throttle plate position. Generac software controls speed governing, and is fully adjustable.

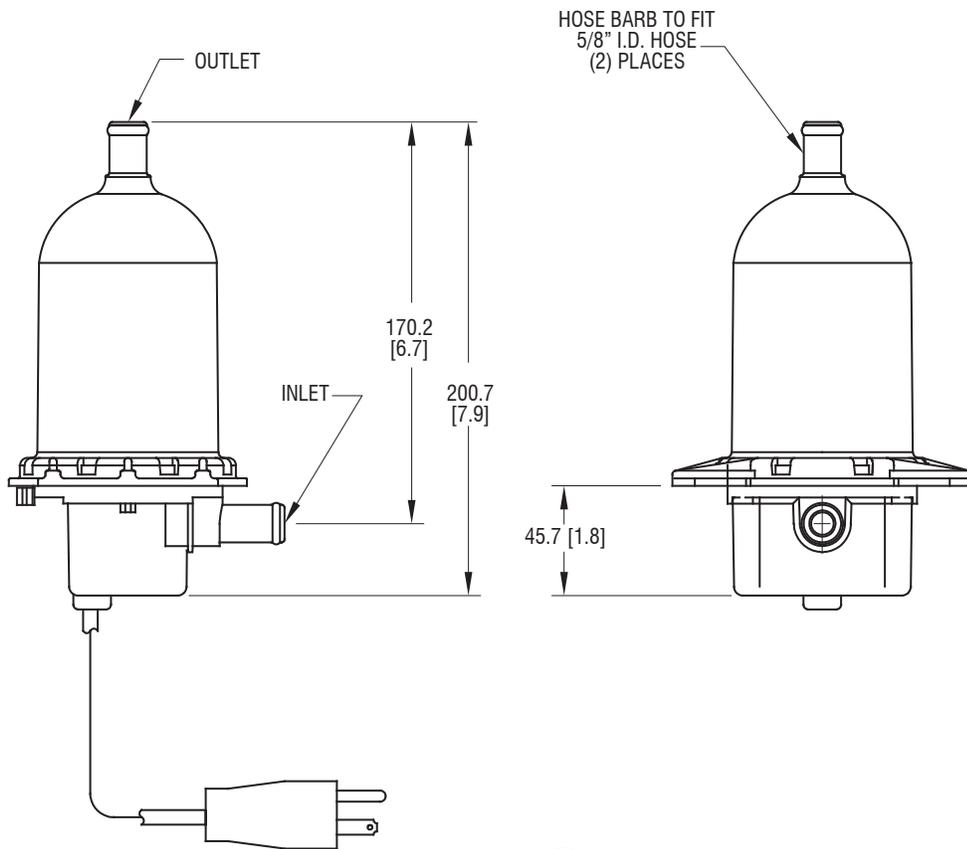
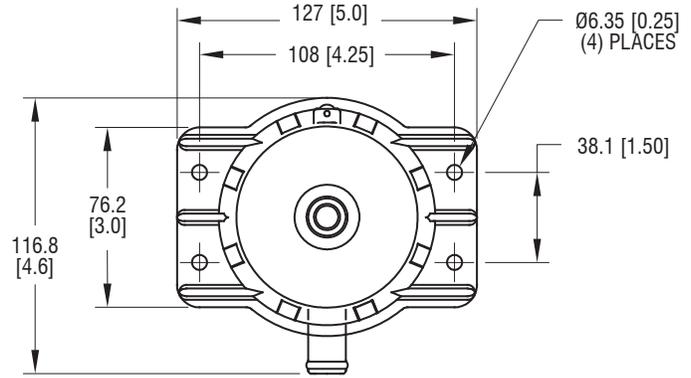
The Generac electronic governor system applies to all diesel gensets with Generac’s Digital Control Platforms.

COOLANT HEATER OPTION

1,500 WATT, 120 VAC

SPECIFICATIONS

- Voltage: 120 VAC
- Heat Power: 1,500 WATT
- Fixed Thermostat: 80°-100°F
- Heating Element: Incoloy 800
- Maximum Pressure: 90 PSI (620 kPa)
- Plug NEMA Standard: 5-15P

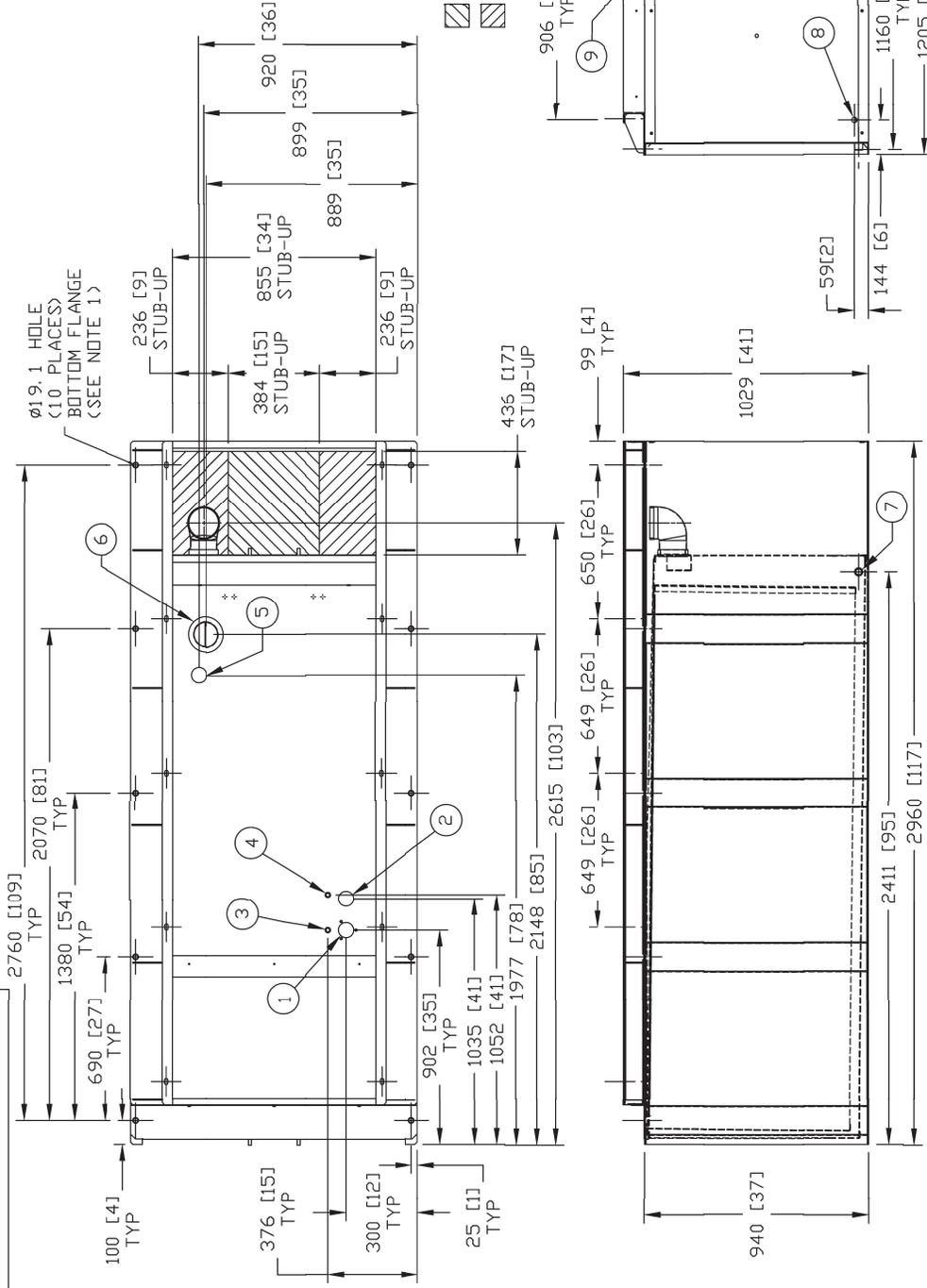


DIMENSIONS: mm [INCHES]



0H8895

GROUP "D" FOOTPRINT



LOW VOLTAGE STUB-UP
 HIGH VOLTAGE STUB-UP

CAPACITIES SHOWN: LITERS [GALLONS]
 WEIGHTS SHOWN: KILOGRAMS [POUNDS]
 UL #142 / ULC-S601 LISTED

NOTES:

1. MOUNTING BOLTS OR STUDS FOR MOUNTING BASSETANK TO MOUNTING SURFACE SHALL BE 3/4-10 GRADE 5. (USE STANDARD SAE TORQUE SPECS.)

TANK P/N - REVISION	0H88930ST03
TOTAL TANK CAPACITY	1972 [521]
USABLE TANK CAPACITY	1930 [510]
DRY WEIGHT	621 Kg. [1365 lbs.]

ITEM#	TANK FITTING	PROVIDING FUNCTION
1		MECH. / ELEC. FUEL LEVEL
2	2" NPT WELD FLANGE	FUEL FILL
3	3/8" NPT COUPLING	FUEL RETURN
4	3/8" NPT COUPLING	FUEL SUPPLY
5	2" NPT WELD FLANGE	VENT
6	4" NPT WELD FLANGE	EMERGENCY VENT
7	3/4" NPT COUPLING	DRAIN
8	ø 22 HOLE	LEAK DETECTOR
9	4" NPT WELD FLANGE	OUTER EMERGENCY VENT

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GENERAC POWER SYSTEMS
 Waukesha
 P.O. BOX 8
 WAUKESHA, WIS. 53187

INSTALLATION DRAWING
 510G D-GRP W/D6.7L C-GRP GEN

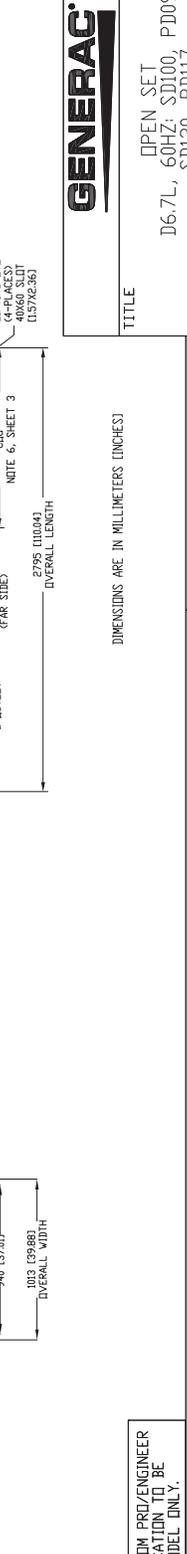
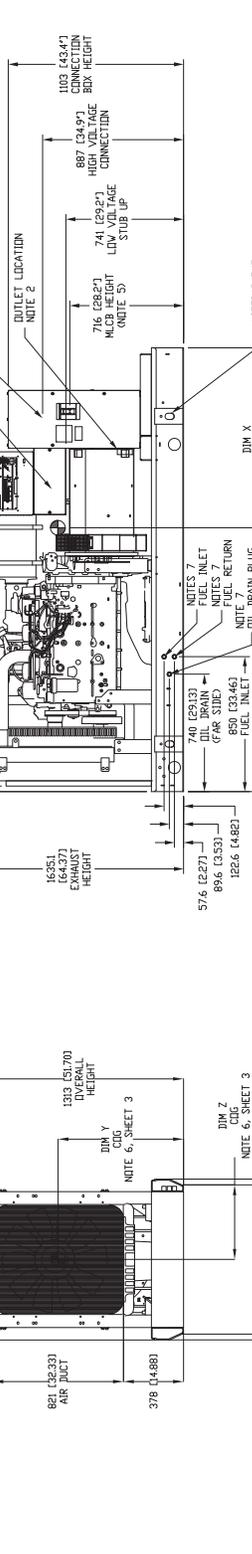
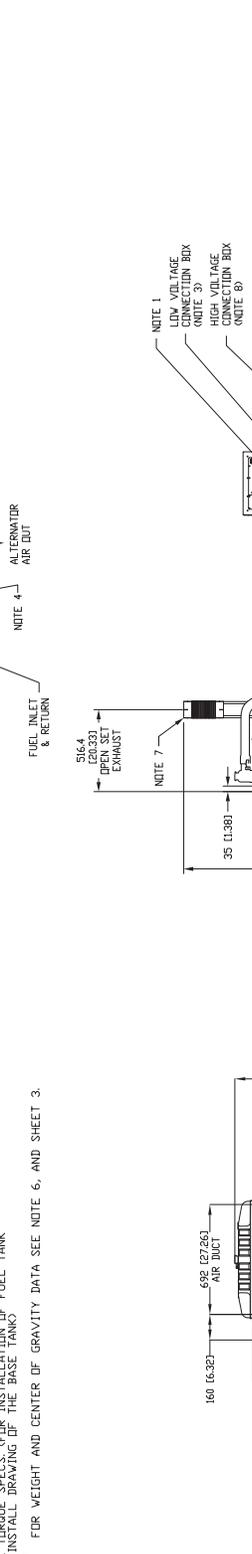
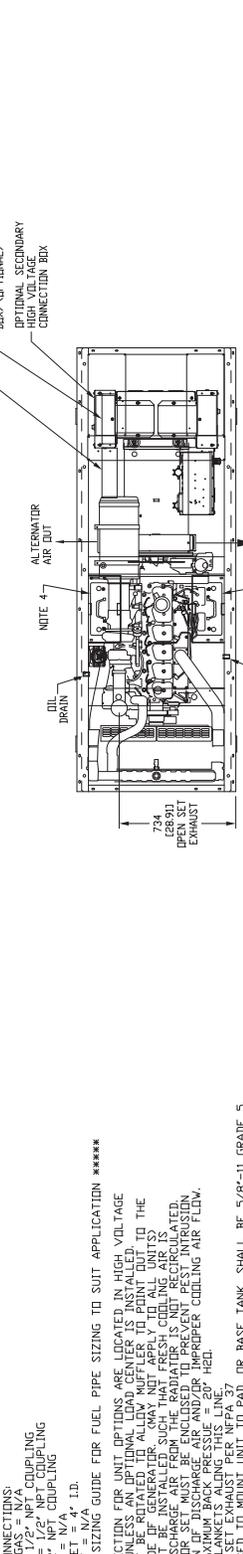
FILE NAME	0H8895.DWG	SIZE	B
SCALE		FIRST USE	
DWG NO.		REV	E

INSTALLATION DRAWING

ISSUE DATE

0H8895

Notes:
 1. CONTROL PANEL, OPTIONAL BATTERY CHARGER, INSIDE.
 2. 120V, 60A GFCI & 2500V 15A GFI OUTLET (GFI PROVIDED IN THE LOW VOLTAGE CONNECTION BOX) TO BE INSTALLED IN THE LOW VOLTAGE STUB-UP AREA.
 3. VOLTAGE CONNECTION BOX (USE LOW VOLTAGE STUB-UP AREA).
 4. BATTERY (24 VOLT NEGATIVE GROUND SYSTEM).
 5. FAN (24 VOLT NEGATIVE GROUND SYSTEM).
 6. DIMENSIONS MAY VARY DUE TO UNIT CONFIGURATION.
 7. ENGINE SERVICE CONNECTIONS:
 INLET NATURAL GAS = N/A
 INLET DIESEL = 1/2" NPT COUPLING
 OIL DRAIN = 1/2" NPT COUPLING
 RADIATOR DRAIN = N/A
 EXHAUST OUTLET = N/A
 ***** SEE GENERATOR SIZING GUIDE FOR FUEL PIPE SIZING TO SUIT APPLICATION *****
 8. AUXILIARY AC CONNECTION FOR UNIT OPTIONS ARE LOCATED IN HIGH VOLTAGE CONNECTION BOX, UNLESS AN OPTIONAL LOAD CENTER IS INSTALLED.
 9. EXHAUST PIPES MUST BE BRITANNIA TO ALLOW MUFFLER TO PRINT UNITS TO THE GENERATOR SET MUST BE INSTALLED SUCH THAT FRESH COOLING AIR IS AVAILABLE AND DISCHARGE AIR FROM THE RADIATOR IS NOT RECIRCULATED.
 10. EXHAUST SYSTEM MAXIMUM BACK PRESSURE = 20" HED.
 11. AND RECIRCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
 12. EXHAUST SYSTEM MAXIMUM BACK PRESSURE = 20" HED.
 13. CONNECT THE OPEN SET EXHAUST PER NEMA 57.
 14. USE STANDARD SAE METRIC SPECS. FOR INSTALLATION OF FUEL TANK.
 15. BOLTS OR STUDS USED TO MOUNT UNIT TO PAD, OR BASE TANK, SHALL BE 5/8"-11 GRADE 5.
 ADDITIONAL NOTES: FOR WEIGHT AND CENTER OF GRAVITY DATA SEE NOTE 6, AND SHEET 3.



GENERAC

TITLE
 OPEN SET
 D6.7L, 60HZ: SD100, PD090
 SD130, PD117

DIMENSIONS ARE IN MILLIMETERS (INCHES)

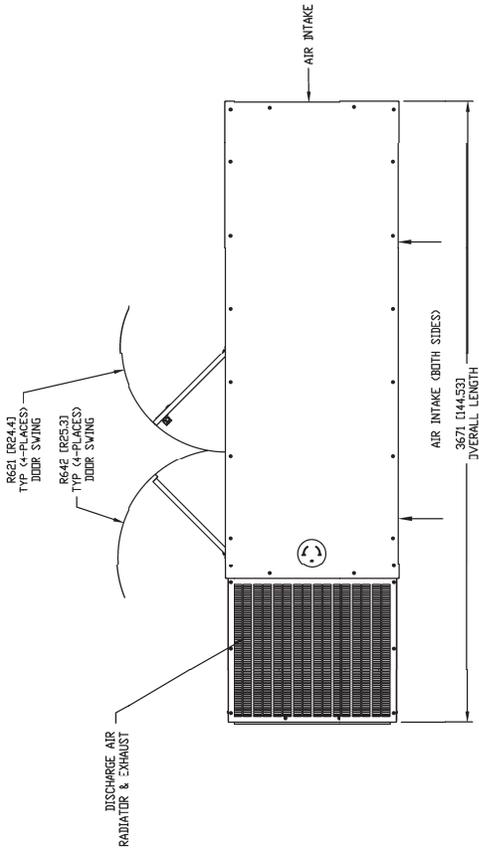
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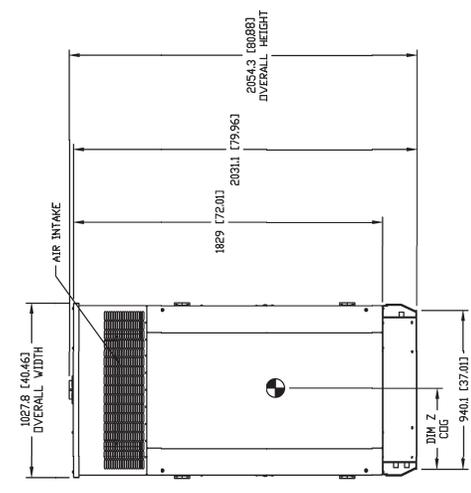
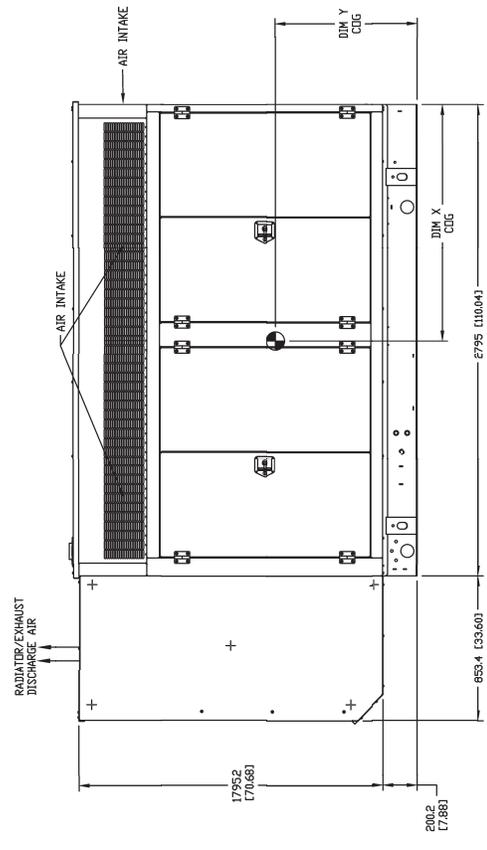
ELECTRONICALLY APPROVED
 INSIDE VENDOR-HILL

ISSUE DATE:	6/13/14	DWG NO	0J4190	REV	F
SIZE	N/A	SCALE	1 of 3	SHEET	1 of 3
CAGE NO	N/A	WT-KG			

INSTALLATION DRAWING



FOR ALL STUB-UP, WEIGHT, AND COG DETAILS, SEE CORRESPONDING OPEN SET DRAWING PER UNIT CONFIGURATION.



GENERAC

TITLE

L2A ENCLOSURE
D6.7L, 60HZ: SD100, PD090
SD130, PD117

ISSUE DATE:	6/13/14	REV	F
SIZE	B	DWG NO	0J4190C
CAGE NO	N/A	WT-KG	1 OF 1
SCALE	0.035		

DIMENSIONS ARE IN MILLIMETERS (INCHES)
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ELECTRONICALLY APPROVED
INSIDE WINDSHIELD

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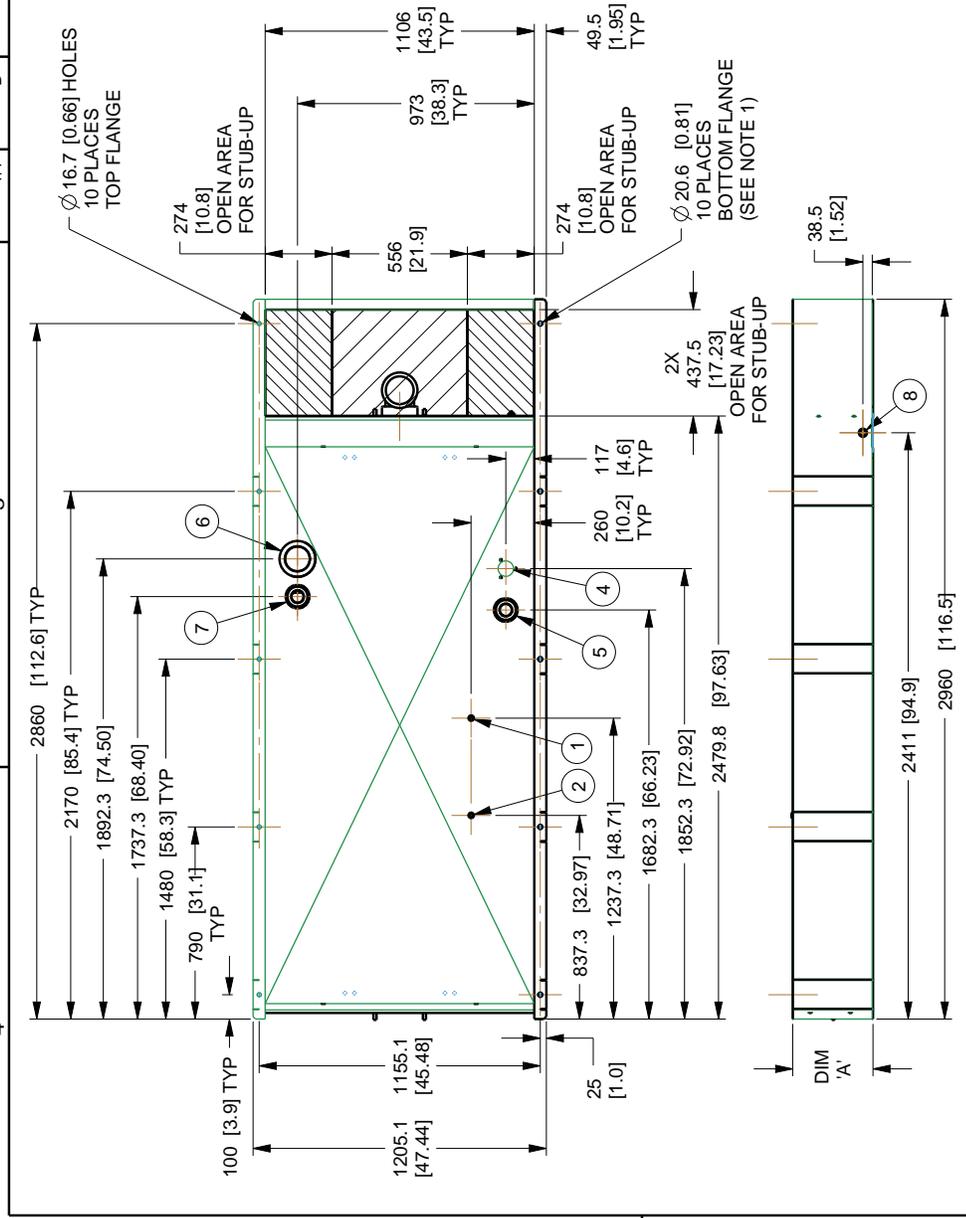
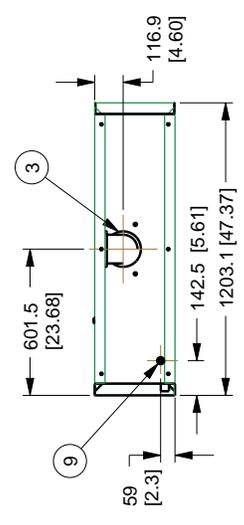
INSTALLATION DRAWING

I/N	TANK FITTING	FUNCTION
1	3/8" NPT COUPLING	FUEL SUPPLY
2	3/8" NPT COUPLING	FUEL RETURN
3	4" NPT WELD FLANGE	EMERGENCY VENT (OUTER)
4		FUEL LEVEL
5	2" NPT WELD FLANGE	FUEL FILL
6	4" NPT WELD FLANGE	EMERGENCY VENT (INNER)
7	2" NPT WELD FLANGE	VENT
8	3/4" NPT FITTING	DRAIN
9	Ø 22 MM HOLE	LEAK DETECTOR

CAPACITY SHOWN: LITER [GALLONS]
 WEIGHT SHOWN: KILOGRAMS [POUNDS]
 LENGTH SHOWN: MM [INCH]
 UL #142 / ULC-S601 LISTED

NOTE:
 1. MOUNTING BOLTS OR STUDS FOR MOUNTING BASE TANK TO CONCRETE PAD SHALL BE 3/4"-10 GRADE 5. (USE STANDARD SAE TORQUE SPECS)

-  LOW VOLTAGE STUB-UP
-  HIGH VOLTAGE STUB-UP



TANK P/N	OJ18470ST03	OJ18490ST03	OJ18510ST03
DIM 'A'	330 [13]	635 [25]	940 [37]
TOTAL TANK CAPACITY	547 [145]	1260.5 [333]	1972 [521]
USABLE TANK CAPACITY	507 [134]	1219 [322]	1930 [510]
DRY WEIGHT [EST]	356 [784]	486 [1072]	621 [1365]

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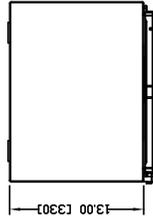
TITLE
 INSTALL BASE TANK D6.7L D-GRP

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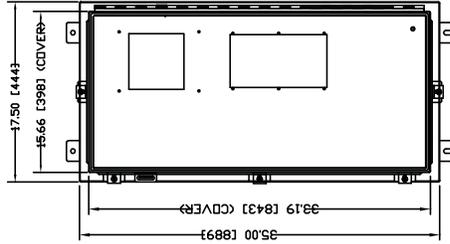
ELECTRONICALLY APPROVED
 INSIDE WINDCHILL

INSTALLATION DRAWING

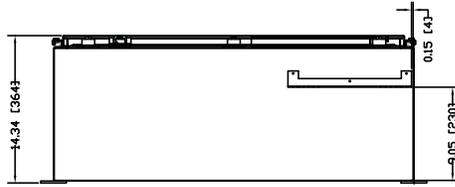
69D8220



TOP VIEW



FRONT VIEW



SIDE VIEW (WITH LEFT SIDE REMOVED)

REQUIRED FOR SEISMIC, RECOMMENDED FOR ALL APPLICATIONS.
 USE 4, 1/2-13 UNC GRADE 5 OR BETTER HEX HEAD BOLTS AND WASHERS.
 THESE BOLTS ARE TO BE TORQUED TO 75 FT. LBS. (102 NM).

NOTES:

1. APPROXIMATE SHIPPING WEIGHT = 250 LBS (113 KG)
2. DIMENSIONS SHOWN IN INCHES (MILLIMETERS)
3. AUTOMATIC & NON-AUTOMATIC CONTROLS PROVIDED BASED ON CUSTOMER ORDER INFORMATION.
4. TRANSFORMER PACK IS NOT INCLUDED WITH 240/120V, 1 PHASE OR 208/120V SYSTEMS.
5. FOR SWITCHED NEUTRAL APPLICATIONS, CONNECT TO TERMINALS MARKED 'NY', 'EV', AND 'TN'. NEUTRAL ASSEMBLY WILL NOT BE PROVIDED.

☉ CENTER OF GRAVITY

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AUTOMATIC TRANSFER SWITCH	
2 POSITION CONTACTOR	
208-480V 400A 3POLE	
NEMA 4X	

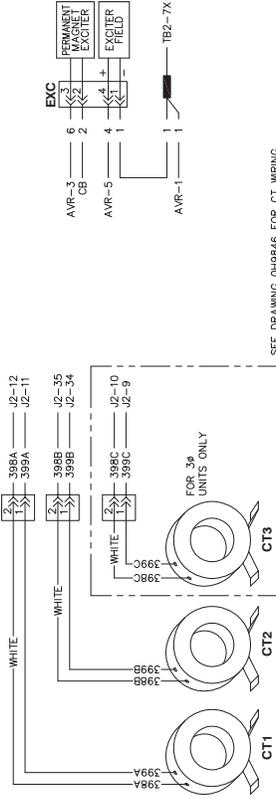
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P.O. BOX 8		SCALE	FIRST USE
WAUKESHA, WIS. 53187		NTS	
		DWG NO.	69D8220
		REV	-

INSTALLATION DRAWING

GROUP G

- LEGEND**
- ALM - ALARM MORN.
 - ALT - DC CHARGE ALTERNATOR
 - AVR - AUTO VOLTAGE REGULATOR
 - BCC - BATTERY CHARGER CONNECTOR
 - CB - CIRCUIT BREAKER
 - CO - CROSSOVER CONNECTOR
 - COM - COMMON
 - DB - DIODE BRIDGE
 - ECM - ELECTRONIC CONTROL MODULE
 - F - FUSE
 - F.L.S. - FUEL LEVEL SENDER
 - GOV - GOVERNOR DRIVER OR GOVERNOR
 - GFCI - GROUND FAULT CIRCUIT INTERRUPT
 - INT - INTERFACE TRANSFORMER
 - IP - INJECTOR PUMP
 - LD - LEAK DETECTOR
 - MOCB - MOLTEN OIL CUTOFF BREAKER
 - MPU1 - MAGNETIC PICKUP
 - NB - NEUTRAL BLOCK
 - OTS - OIL TEMPERATURE SENDER
 - R - RESISTOR
 - RB - RELAY BOARD
 - SC - STARTER CONTACTOR
 - SM - STARTER MOTOR
 - SWI - OFF/AUTO/MANUAL SWITCH
 - TC - TEMPERATURE CUTOFF SENDER
 - TB - TERMINAL BLOCK
 - W.L.S. - COOLANT LEVEL SENDER
 - WTS - COOLANT TEMPERATURE SENDER

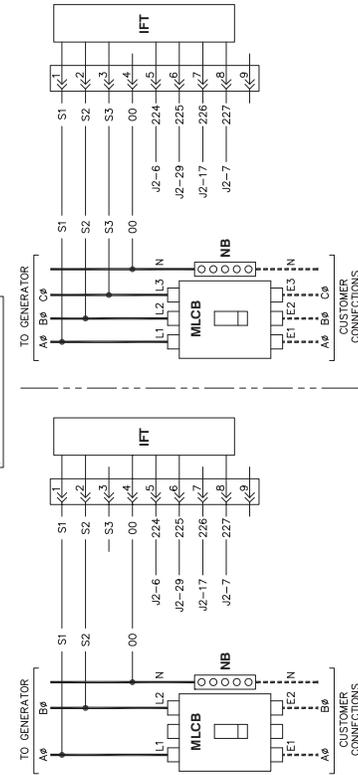
COMPONENTS LOCATED IN ALTERNATOR CONNECTION BOX



SEE DRAWING 0H9846 FOR CT WIRING.

COMPONENTS LOCATED IN HIGH VOLTAGE CUSTOMER CONNECTION MODULE

- CONNECTIONS FOR 10 UNIT**
- S1
 - S2
 - S3
 - 00
 - J2-6
 - J2-29
 - J2-17
 - J2-7
- CONNECTIONS FOR 30 UNIT**
- S1
 - S2
 - S3
 - 00
 - J2-6
 - J2-29
 - J2-17
 - J2-7



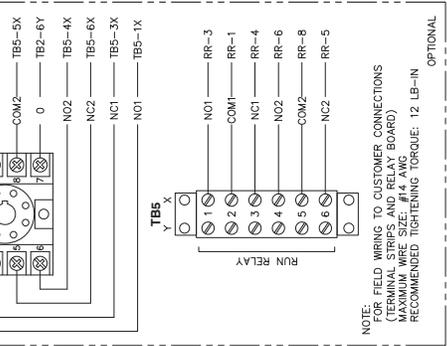
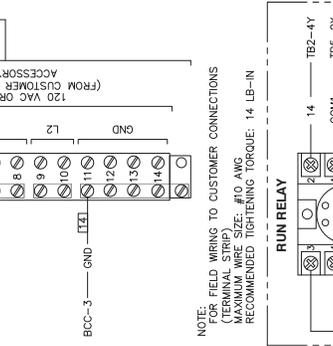
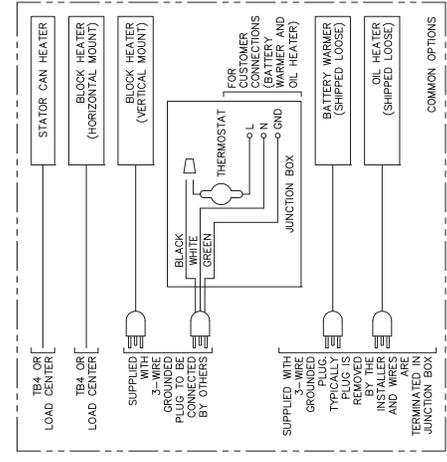
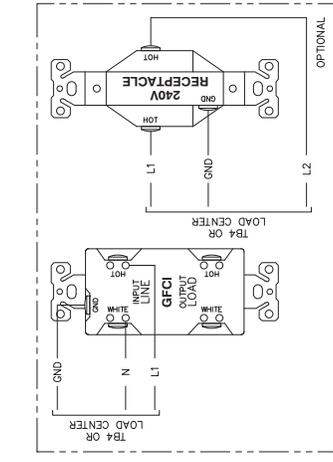
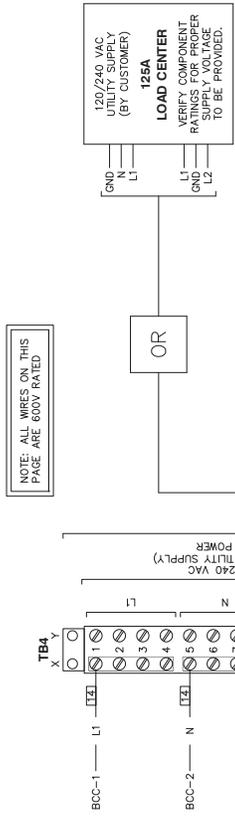
PAGE 1 OF 6

REVISION: H-9136-D
DATE: 6/8/11

WIRING - DIAGRAM
D4-5L/D6-7L G17 12V
DRAWING #: 0H9862

GROUP G

COMPONENTS LOCATED IN HIGH VOLTAGE CUSTOMER CONNECTION MODULE

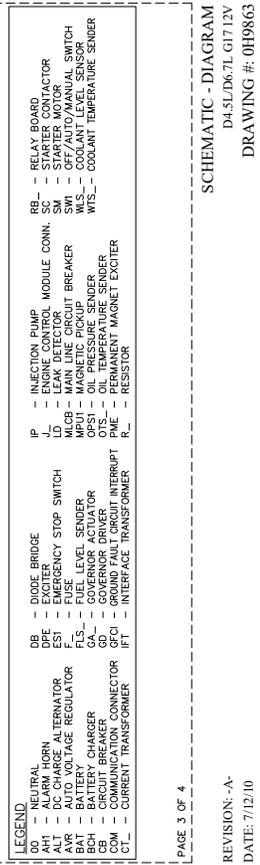
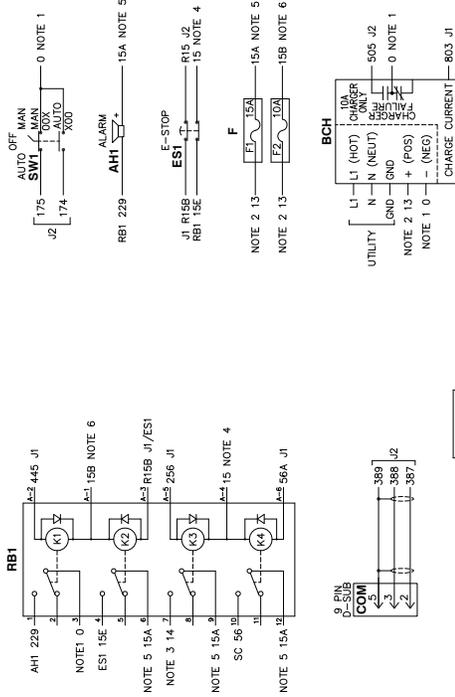


PAGE 2 OF 8

REVISION: H-9136-D
DATE: 6/8/11

WIRING - DIAGRAM
D4-5L/D6-7L G17 12V
DRAWING #: 0H9862

GROUP G



REVISION: -A-
DATE: 7/12/10

SCHEMATIC - DIAGRAM
D4.5L/D6.7L G17.12V
DRAWING #: 0H9863

PAGE 3 OF 4

GROUP G

AVR CONNECTOR		TO		FUNCTION	
1	FIELD	1	FIELD	1	FIELD
2	OFF	2	OFF	2	OFF
3	DPF OUTPUT	3	DPF OUTPUT	3	DPF OUTPUT
4	R1/FIELD	4	R1/FIELD	4	R1/FIELD
5	R2/FIELD	5	R2/FIELD	5	R2/FIELD
6	R3/FIELD	6	R3/FIELD	6	R3/FIELD
7	AVR	7	AVR	7	AVR
8	GA-1	8	GA-1	8	THROTTLE DRIVE LO
9	GA-2	9	GA-2	9	THROTTLE DRIVE HI
10	406	10	406	10	ZERO CROSSING I/P
11	407	11	407	11	ZERO CROSSING I/P
12	408	12	408	12	DPF OUTPUT (AFTER CB)
13	162	13	162	13	DPF OUTPUT (AFTER CB)

GD CONNECTOR		TO		FUNCTION	
1	FIELD	1	FIELD	1	FIELD
2	OFF	2	OFF	2	OFF
3	DPF OUTPUT	3	DPF OUTPUT	3	DPF OUTPUT
4	R1/FIELD	4	R1/FIELD	4	R1/FIELD
5	R2/FIELD	5	R2/FIELD	5	R2/FIELD
6	R3/FIELD	6	R3/FIELD	6	R3/FIELD
7	AVR	7	AVR	7	AVR
8	GA-1	8	GA-1	8	THROTTLE DRIVE LO
9	GA-2	9	GA-2	9	THROTTLE DRIVE HI
10	406	10	406	10	ZERO CROSSING I/P
11	407	11	407	11	ZERO CROSSING I/P
12	408	12	408	12	DPF OUTPUT (AFTER CB)
13	162	13	162	13	DPF OUTPUT (AFTER CB)

ENGINE CONTROL MODULE CONNECTIONS

J1		TO		FUNCTION	
1	WIS-2	1	WIS-2	1	MODEM SIGNAL RETURN
2	575V	2	575V	2	FUEL SIGNAL RETURN
3	575V	3	575V	3	FUEL LEVEL +
4	575V	4	575V	4	OIL TEMPERATURE RTN
5	575V	5	575V	5	OVERSPEED WATCHDOG
6	575V	6	575V	6	FUEL RELAY
7	575V	7	575V	7	MODEM DATA CARRIER DETECT
8	575V	8	575V	8	COOLANT TEMP +
9	575V	9	575V	9	BAT CHARGER CURRENT
10	575V	10	575V	10	THROTTLE POS +
11	575V	11	575V	11	OIL PRESS RTN
12	575V	12	575V	12	STARTER RELAY
13	575V	13	575V	13	MPUI SIGNAL (-)
14	575V	14	575V	14	MPUI SIGNAL (+)
15	575V	15	575V	15	COOLANT LV +
16	575V	16	575V	16	COOLANT LV -
17	575V	17	575V	17	MODEM 12V POWER
18	575V	18	575V	18	THROTTLE FWM
19	575V	19	575V	19	ALARM RELAY
20	575V	20	575V	20	NOTE 6

J2		TO		FUNCTION	
1	WIS-2	1	WIS-2	1	MODEM SIGNAL RETURN
2	575V	2	575V	2	FUEL SIGNAL RETURN
3	575V	3	575V	3	FUEL LEVEL +
4	575V	4	575V	4	OIL TEMPERATURE RTN
5	575V	5	575V	5	OVERSPEED WATCHDOG
6	575V	6	575V	6	FUEL RELAY
7	575V	7	575V	7	MODEM DATA CARRIER DETECT
8	575V	8	575V	8	COOLANT TEMP +
9	575V	9	575V	9	BAT CHARGER CURRENT
10	575V	10	575V	10	THROTTLE POS +
11	575V	11	575V	11	OIL PRESS RTN
12	575V	12	575V	12	STARTER RELAY
13	575V	13	575V	13	MPUI SIGNAL (-)
14	575V	14	575V	14	MPUI SIGNAL (+)
15	575V	15	575V	15	COOLANT LV +
16	575V	16	575V	16	COOLANT LV -
17	575V	17	575V	17	MODEM 12V POWER
18	575V	18	575V	18	THROTTLE FWM
19	575V	19	575V	19	ALARM RELAY
20	575V	20	575V	20	NOTE 6

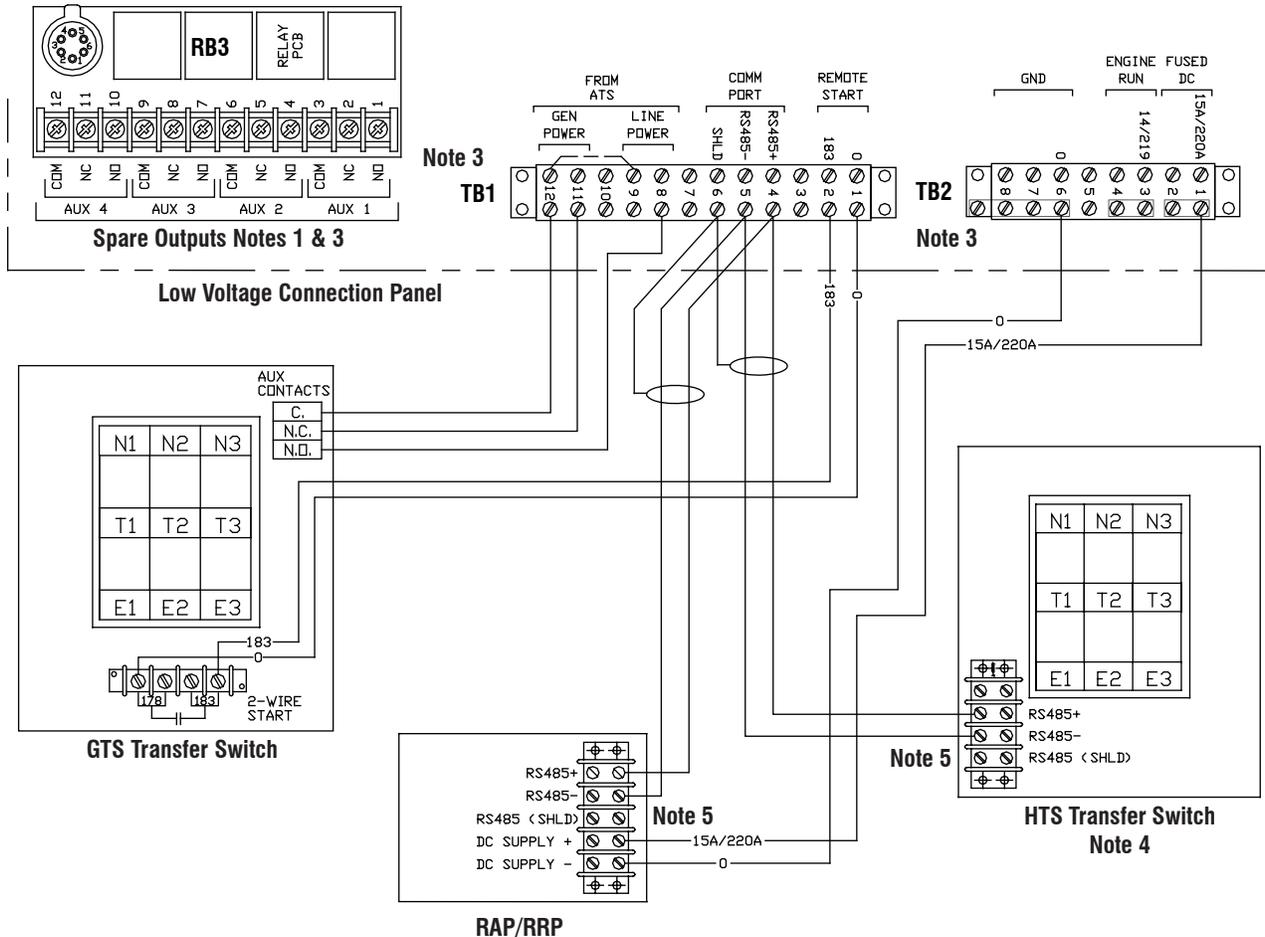
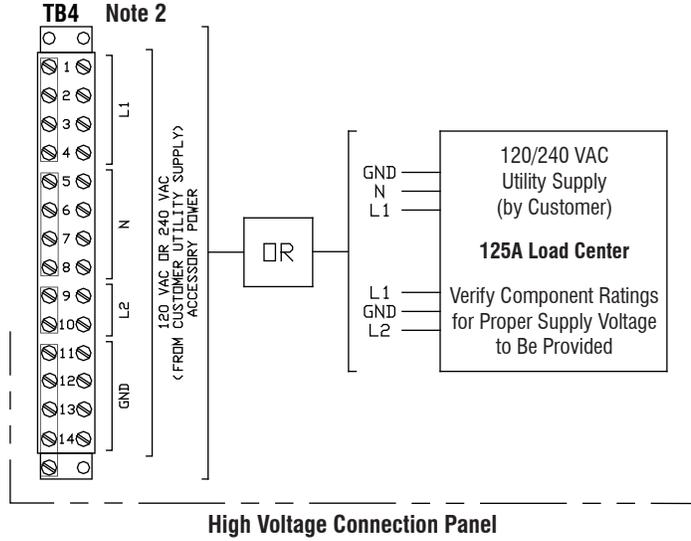
NOTES:
1) WIRE# 0 IS CHASSIS GROUND (BATTERY-)
UNLESS NOTED OTHERWISE.
2) WIRE# 13 IS UNFUSED +12VDC (BATTERY+).
3) WIRE# 14 IS FUSED +12VDC WHEN GENERATOR IS CRANKING OR RUNNING.
4) WIRE# 15 IS UNFUSED +12VDC WHEN GENERATOR IS RUNNING.
5) WIRE# 15A IS FUSED +12VDC FOR GENERAL USE.
6) WIRE# 15B IS FUSED +12VDC FOR THE ENGINE CONTROL MODULE.

* - CONNECTIONS NOT USED IN 18 UNITS.

H-PANEL CONTROL INTERCONNECTIONS

Notes:

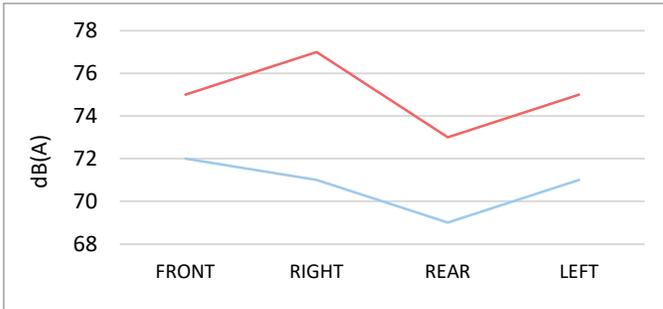
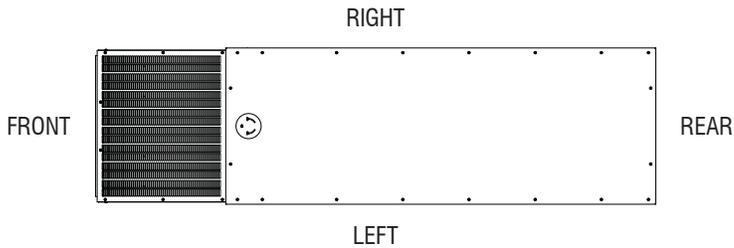
1. Spare Outputs are Standard on Industrial Product Only. GenLink® Required for Programming. Contacts Rated at 5A at 30VAC/30VDC
2. TB4 Max Wire Size: #10 AWG, Recommended Tightening Torque: 14 LB-IN
3. TB1, TB2, TB9 & RB3 Max Wire Size: #14 AWG, Recommended Tightening Torque: 12 LB-IN
4. Refer to H-Panel Manual for Instructions on Enabling HTS Transfer Switch. Refer to HTS Transfer Switch Manual for Dip Switch Settings for Multiple HTS Application
5. Connect the RS-485 Overall Shield at Genset Connection Terminal Only



LEVEL 2 SOUND ATTENUATED ENCLOSURE D6.7L FPT, SD100

60Hz NO-LOAD, dB(A)											DISTANCE: 7 METERS
MICROPHONE LOCATION	OCTAVE BAND CENTER FREQUENCY (Hz)										
	31.5	63	125	250	500	1,000	2,000	4,000	8,000	dB(A)	
FRONT	40	53	64	70	63	64	59	55	48	72	
RIGHT	36	54	66	67	63	62	56	53	49	71	
REAR	30	56	63	62	62	60	54	48	43	69	
LEFT	37	51	63	67	63	63	60	57	52	71	
AVERAGE	36	54	64	67	63	62	57	53	48	71	

60Hz FULL-LOAD, dB(A)											DISTANCE: 7 METERS
MICROPHONE LOCATION	OCTAVE BAND CENTER FREQUENCY (Hz)										
	31.5	63	125	250	500	1,000	2,000	4,000	8,000	dB(A)	
FRONT	40	59	72	71	65	65	63	58	50	75	
RIGHT	37	59	73	72	65	64	64	58	54	77	
REAR	34	59	71	65	64	61	62	53	48	73	
LEFT	39	56	69	71	65	65	67	61	56	75	
AVERAGE	38	58	71	70	65	64	64	57	52	75	



- All positions at 23 feet (7 meters) from side faces of generator set.
- Test conducted on a 100 foot diameter asphalt surface.
- Sound pressure levels are subject to instrumentation, installation and testing conditions.
- Sound levels are ± 2 dB(A).

STATEMENT OF EXHAUST EMISSIONS

2020 FPT DIESEL FUELED GENERATOR

The measured emissions values provided here are proprietary to Generac and its authorized dealers. This information may only be disseminated upon request, to regulatory governmental bodies for emissions permitting purposes or to specifying organizations as submittal data when expressly required by project specifications, and shall remain confidential and not open to public viewing. This information is not intended for compilation or sales purposes and may not be used as such, nor may it be reproduced without the expressed written permission of Generac Power Systems, Inc. The data provided shall not be meant to include information made public by Generac.

Generator Model:	SD100	EPA Certificate Number:	LFPXL06.7DGB-002
kW _e Rating:	100	CARB Certificate Number:	Not Applicable
Engine Family:	LFPXL06.7DGB	SCAQMD CEP Number:	511715
Engine Model:	F4GE9685A*J	Emission Standard Category:	Tier 3
Rated Engine Power (BHP)*:	198	Certification Type:	Stationary Emergency CI
Fuel Consumption (gal/hr)*:	10.04		(40 CFR Part 60 Subpart IIII)
Aspiration:	Turbo/Aftercooled		
Rated RPM:	1800		

*Engine Power and Fuel Consumption are declared by the Engine Manufacturer of Record and the U.S. EPA.

Emissions based on engine power of specific Engine Model.
(These values are actual composite weighted exhaust emissions results over the EPA 5-mode test cycle.)

CO	NOx + NMHC	PM	
0.90	3.80	0.16	Grams/kW-hr
0.70	2.80	0.12	Grams/bhp-hr

- The stated values are actual exhaust emission test measurements obtained from an engine representative of the type described above.
- Values based on 5mode testing are official data of record as submitted to regulatory agencies for certification purposes. Testing was conducted in accordance with prevailing EPA protocol, which is typically accepted by SCAQMD and other regional authorities.
- No emissions values provided above are to be construed as guarantees of emission levels for any given Generac generator unit.
- Generac Power Systems, Inc. reserves the right to revise this information without prior notice.
- Consult state and local regulatory agencies for specific permitting requirements.
- The emission performance data supplied by the equipment manufacturer is only one element required toward completion of the permitting and installation process. State and local regulations may vary on a case-by-case basis and local agencies must be consulted by the permit application/equipment owner prior to equipment purchase or installation. The data supplied herein by Generac Power Systems cannot be construed as a guarantee of installability of the generating set.

Certification of Quality

Generac Power Systems certifies that the products we manufacture have been built and tested in accordance with strict internal and external standards for quality. Our quality management system has been registered with the internationally recognized ISO 9001:2008 standard and our products comply with external standards that include, but are not limited to, CSA, NEMA, EGSA, ISO, and UL.

The Generac Quality Management System (GQMS) ensures the highest standards of quality at every level of production, from raw materials to the finished product. This includes receiving inspection, in-process checks, product and process audits, testing, final inspections, and shipping standards.

Tests of our products are performed in accordance with our internal procedures and controlled through the GQMS to ensure accuracy and effectiveness. The testing process and product designs comply with external standards which may include, but are not limited to: ISO 8528-5, ISO 3046, NFPA 99, NFPA 110, BS 5514, SAE J1349, and DIN 6271.

Generac Power Systems has over one million square feet of manufacturing space and over 2000 employees dedicated to designing and manufacturing power generation equipment in our multiple State of Wisconsin, USA factories. All of our installed and mobile generators are built with pride by our skilled American workforce to ensure our customers receive the quality that they expect from Generac.

We are committed to producing quality products for both our internal and external customers. We will continuously improve our processes and diligently measure all aspects of our business.

Daniel Waschow

Vice President of Quality
Generac Power Systems, Inc.
Waukesha, Wisconsin USA

Generac Power Systems 2 Year (2C) Extended Limited Warranty for Industrial Standby Generators

For the period of warranty noted below, which begins upon the successful start-up and/or on-line activation of the unit, Generac Power Systems, Inc. "Generac" warrants that its Generator will be free from defects in material and workmanship for the items and period set forth below. Generac will, at its discretion, repair or replace any part(s) which, upon evaluation, inspection and testing by Generac or an Independent Authorized Service Dealer, is found to be defective. Any equipment that the purchaser/owner claims to be defective must be evaluated by the nearest Independent Authorized Service Dealer. Emissions components are excluded from coverage under this extended warranty. Emissions warranty coverage is detailed in a separate emissions warranty.

Warranty Coverage: Warranty coverage period is for Two (2) years or two-thousand (2,000) hours, whichever occurs first.

Warranty Coverage in Year(s) 1-2
Parts, Labor and Limited Travel

Limited Gearbox Coverage:

Year(s): 1-5 Coverage	Year(s): 6-10 Coverage
Limited Parts and Labor	Limited Parts Only

Guidelines:

1. Unit must be registered and proof of purchase available.
2. Any and all warranty repairs and/or concerns must be performed and/or addressed by an Independent Authorized Service Dealer, or branch thereof. Repairs or diagnostics performed by individuals other than an Independent Authorized Service Dealer not authorized in writing by Generac will not be covered.
3. This Warranty is transferable between ownership of original install site.
4. Generac supplied engine coolant heaters (block-heaters), heater controls and circulating pumps are only covered during the first year of the warranty provision.
5. Generac may choose to repair, replace or refund a piece of equipment in its sole discretion.
6. Enclosures are warranted against rust for the first year of ownership only. Damage caused after receipt of generator is the responsibility of the owner and is not covered by this warranty. Nicks, scrapes, dents or scratches to the painted enclosure should be repaired promptly by the owner.
7. Warranty only applies to permanently wired and mounted units.
8. Damage to any covered components or consequential damages caused by the use of a non-OEM part will not be covered by the warranty.
9. Proof of performance of all required maintenance must be available.
10. Travel allowance is limited to 300 miles maximum and seven and one half (7.5) hours maximum (per occurrence, whichever is less) round trip from the nearest Independent Authorized Service Dealer. Any additional travel required will not be covered.
11. Engines, driven components and fuel tanks used in Generac's standby power products system can carry a separate manufacturer's (OEM) warranty (the "OEM Warranties"), unless otherwise expressly stated. OEM Warranties are in addition to this Warranty. All warranty claims for defects in material and/or workmanship on Generac product OEM components, may be directed through the OEM distributor/dealer network. OEM Warranties may vary and are subject to change. Generac shall have no liability under OEM warranties.

The following will NOT be covered by this warranty:

1. Costs of normal maintenance (i.e. tune-ups, associated part(s), adjustments, loose/leaking clamps, installation and start-up).
2. Damage/failures to the generator caused by accidents, shipping, handling, or improper storage.
3. Damage/failures caused by operation with improper fuels, speeds, loads or installations other than what's recommended or specified by Generac Power Systems.
4. Damage to the generator due to the use of non-Generac parts and/or equipment, contaminated fuels, oils, coolants/antifreeze or lack of proper fuels, oil or coolants/antifreeze.
5. Failures due to normal wear and tear, accident, misuse, abuse, neglect, improper installation, improper sizing, or rodent, reptile, and/or insect infestation.
6. Rental equipment used while warranty repairs are being performed and/or any extraordinary equipment used for removal and/or reinstallation of generator (i.e. cranes, hoists, lifts, et. al.).
7. Planes, ferries, railroad, buses, helicopters, snowmobiles, snow-cats, off-road vehicles or any other mode of transport deemed not standard by Generac.
8. Products that are modified or altered in a manner not authorized by Generac in writing.
9. Starting batteries, fuses, light bulbs, engine fluids and any related labor.
10. Steel enclosures that rust as a result of improper installation, location in a harsh or salt water environment, or are scratched where the integrity of applied paint is compromised.
11. Units sold, rated or used for "Prime Power", "Trailer Mounted" or "Rental Unit" applications as defined by Generac. Contact an Independent Authorized Service Dealer for definitions.
12. Shipping costs associated with expedited shipping.
13. Additional costs for overtime, holiday or emergency labor costs for repairs outside of normal business hours.
14. Any incidental, consequential or indirect damages caused by defects in materials or workmanship, or any delay in repair or replacement of the defective part(s).
15. Failures caused by any act of God or external cause including without limitation, fire, theft, freezing, war, lightning, earthquake, windstorm, hail, water, tornado, hurricane, or any other matters which are reasonably beyond the manufacturer's control.

THIS WARRANTY SUPERSEDES ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. SPECIFICALLY, GENERAC MAKES NO OTHER WARRANTIES AS TO THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ANY IMPLIED WARRANTIES WHICH ARE ALLOWED BY LAW, SHALL BE LIMITED IN DURATION TO THE TERMS OF THE EXPRESS WARRANTY PROVIDED HEREIN. SOME JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. GENERAC'S ONLY LIABILITY SHALL BE THE REPAIR OR REPLACEMENT OF PART(S) AS STATED ABOVE. IN NO EVENT SHALL GENERAC BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, EVEN IF SUCH DAMAGES ARE A DIRECT RESULT OF GENERAC'S NEGLIGENCE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU ALSO HAVE OTHER RIGHTS UNDER APPLICABLE LAW.

FOR AUSTRALIA ONLY: Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

FOR NEW ZEALAND ONLY: Nothing in this warranty statement excludes, restricts or modifies any condition, warranty right or remedy which pursuant to the New Zealand Legislation (Commonwealth or State) including the Fair Trading Practices Act of 1986 or the Consumer Guarantees Act 1993 ("CGA") applies to this limited warranty and may not be so excluded, restricted or modified. Nothing in this statement is intended to have the effect of contracting out of the provisions of the CGA, except to the extent permitted by that Act, and these terms are to be modified to the extent necessary to give effect to that intention. If you acquire goods from Generac Power Systems or any of its authorized resellers and distributors for the purposes of a business, then pursuant to section 43(2) of the CGA, it is agreed that the provisions of the CGA do not apply.

GENERAC POWER SYSTEMS, INC. • P.O. BOX 8 • Waukesha, WI, USA 53187
Ph: (888) GENERAC (436-3722) • Fax: (262) 544-4851

To locate the nearest Independent Authorized Service Dealer and to download schematics, exploded views and parts lists
visit our website: www.generac.com

Garantía limitada extendida de 2 años (2C) de Generac Power Systems para los generadores de respaldo industriales

Durante el período de garantía indicado abajo, que comienza desde la puesta en marcha y/o activación exitosa en línea de la unidad, Generac Power Systems, Inc. "Generac" garantiza que generador estará libre de defectos de material y/o mano de obra para los ítems y el período indicados a continuación. Generac, a su discreción, reparará o sustituirá cualquier pieza o piezas que, por medio de la evaluación, inspección y prueba efectuada por Generac o un Concesionario de servicio autorizado independiente de Generac, se determine que es o son defectuosa(s). Todo equipo que el comprador o propietario reclame como defectuoso debe ser evaluado por el Concesionario de servicio autorizado independiente de Generac más cercano. Los componentes relacionados con emisiones están excluidos de la cobertura bajo esta garantía extendida. La cobertura de la garantía de emisiones se detalla por separado en una garantía de emisiones.

Cobertura de la garantía: El período de cobertura de la garantía es de dos (2) años o dos mil (2000) horas, lo que ocurra primero.

Cobertura de la garantía en año(s) 1-2
Sobre piezas, mano de obra y gastos de viaje limitados

Cobertura limitada sobre la caja de engranajes:

Año(s) de cobertura: 1-5 Cobertura	Año(s) de cobertura: 6-10 Cobertura
Limitada sobre piezas y mano de obra	Limitada solo sobre piezas

Directrices:

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. La unidad debe estar registrada y tener prueba de compra disponible. 2. Cualquiera y todas las reparaciones y/o preocupaciones por garantía deben ser efectuadas y/o dirigidas por un Concesionario de servicio autorizado independiente de Generac, o una sucursal de este. No serán cubiertas las reparaciones o los diagnósticos efectuados por personas diferentes del Concesionario de servicio autorizado independiente de Generac no autorizados por escrito por Generac. 3. Esta garantía es transferible entre propietarios del sitio de instalación original. 4. Los calentadores de refrigerante de motor (calentadores de bloque), los controles del calentador y las bombas de circulación suministrados por Generac solo están cubiertos durante el primer año de prestación de la garantía. 5. Generac puede elegir reparar, sustituir o reembolsar una pieza del equipo a su exclusiva discreción. 6. Los gabinetes están garantizados contra corrosión solamente durante el primer año de propiedad. El daño causado después de la recepción del generador es responsabilidad del comprador y no está cubierto por esta garantía. Las muescas, raspaduras, abolladuras o rayaduras de gabinete pintado deben ser reparadas sin demora por el propietario. | <ol style="list-style-type: none"> 7. La garantía corresponde solamente a las unidades conectadas y montadas en forma permanente. 8. Los daños a cualquier componente o los daños emergentes causados por el uso de una pieza que no sea OEM no estarán cubiertos por la garantía. 9. Debe haber disponible prueba de la ejecución de todo el mantenimiento requerido. 10. Las asignaciones para viaje están limitadas a 300 millas como máximo y siete horas y media (7.5) horas como máximo (por ocurrencia, lo que sea menor), viaje de ida y vuelta, desde el Concesionario de servicio autorizado independiente de Generac más cercano. Todo gasto de viaje adicional requerido no será cubierto. 11. Los motores, los componentes accionados y los tanques de combustible usados en los productos de respaldo de Generac pueden llevar una garantía de fabricante (OEM) separada (las "Garantías de OEM"), a menos que se estipule expresamente lo contrario. Las garantías de OEM son un agregado a esta garantía. Todos los reclamos de garantía por defectos de material y/o mano de obra en los componentes OEM del producto Generac, pueden ser dirigidos a través de la red de distribuidores/concesionarios OEM. Las garantías de OEM pueden variar y están sujetas a cambios. Generac no tendrá responsabilidad bajo las garantías de OEM. |
|--|---|

Lo siguiente NO será cubierto por esta garantía:

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. Costes del mantenimiento normal (es decir: afinaciones, pieza[s] relacionada[s], ajustes, abrazaderas sueltas o con fugas, instalación y puesta en marcha). 2. Daños/fallos del generador causados por accidentes, transporte, manejo o almacenamiento incorrecto. 3. Los daños/fallos causados por la operación con combustibles, velocidades, cargas, o instalaciones incorrectas diferentes de las recomendadas o especificadas por Generac Power Systems. 4. Los daños al generador debidos al uso de piezas y/o equipos que no sean de Generac; combustibles, aceites, refrigerantes/anticongelantes contaminados; o falta de combustibles, aceites, refrigerantes/anticongelantes apropiados. 5. Fallos debidos a: desgaste y daño normal, accidente, uso indebido, abuso, negligencia, instalación incorrecta, dimensionamiento incorrecto, o plagas de roedores y/o insectos. 6. Equipos arrendados usados mientras se llevan a cabo reparaciones de garantía y/o todos los equipos extraordinarios usados para retirar y/o reinstalar el generador. (esto es: grúas, malacates, elevadores, etc.). 7. Aeronaves, transbordadores, ferrocarril, autobuses, helicópteros, motocicletas para nieve, camiones para nieve, vehículos fuera de ruta o cualquier otro modo de transporte no considerado estándar por Generac. | <ol style="list-style-type: none"> 8. Productos que se modifiquen o alteren en forma no autorizada por Generac por escrito. 9. Baterías de arranque, fusibles, bombillas de luz, fluidos para el motor y mano de obra relacionada. 10. Los gabinetes de acero que se corroen debido a instalación incorrecta, ubicación en un entorno agresivo o con agua salada, o se rayen donde esté comprometida la integridad de la pintura aplicada. 11. Las unidades vendidas, calificadas para, o usadas en aplicaciones de "Alimentación eléctrica principal", "Montada en remolque" o "Unidad en alquiler" como las define Generac. Comuníquese con un Concesionario de servicio autorizado independiente para las definiciones. 12. Costes de envío asociados con envío urgente. 13. Costes adicionales por horas extra y feriados o los costes de mano de obra de emergencia por reparaciones fuera del horario de trabajo normal. 14. Todos los daños accesorios, emergentes o indirectos causados por defectos en los materiales o mano de obra o toda demora en la reparación o sustitución de la(s) pieza(s) defectuosa(s). 15. Los fallos causados por cualquier acto de fuerza mayor o causa externa, que incluyen, sin limitaciones, incendio, robo, congelamiento, guerra, rayos, terremoto, tormenta de viento, granizo, agua, tornado, huracán, o cualesquiera otros asuntos que estén fuera del control razonable del fabricante. |
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ESTA GARANTÍA SUSTITUYE CUALQUIER OTRA GARANTÍA, EXPRESA O IMPLÍCITA. ESPECÍFICAMENTE, GENERAC NO EXTIENDE NINGUNA OTRA GARANTÍA ACERCA DE LA COMERCIALIZACIÓN O APTITUD PARA UN PROPÓSITO EN PARTICULAR. LA DURACIÓN DE TODAS LAS GARANTÍAS IMPLÍCITAS PERMITIDAS POR LA LEY ESTARÁ LIMITADA A LAS CONDICIONES DE LA GARANTÍA EXPRESA ESTIPULADA EN LA PRESENTE. ALGUNAS JURISDICIONES NO PERMITEN LIMITACIONES DE LA DURACIÓN DE UNA GARANTÍA IMPLÍCITA; POR LO TANTO, LA LIMITACIÓN PRECEDENTE PUEDE NO APLICARSE A USTED. LA ÚNICA RESPONSABILIDAD DE GENERAC SERÁ REPARAR O SUSTITUIR LA(S) PIEZA(S) COMO SE ESTIPULÓ PRECEDENTEMENTE. GENERAC NO SERÁ RESPONSABLE EN NINGÚN CASO POR NINGÚN DAÑO ACCESORIO O EMERGENTE, AUN CUANDO TAL DAÑO SEA RESULTADO DIRECTO DE LA NEGLIGENCIA DE GENERAC. ALGUNAS JURISDICIONES NO PERMITEN LA EXCLUSIÓN O LIMITACIÓN DE DAÑOS ACCESORIOS O EMERGENTES, DE MANERA QUE LA LIMITACIÓN PRECEDENTE PUEDE NO APLICARSE A USTED. ESTA GARANTÍA LE OTORGA DERECHOS LEGALES ESPECÍFICOS. TAMBIÉN TIENE OTROS DERECHOS BAJO LA LEY CORRESPONDIENTE.

SOLO PARA AUSTRALIA: Nuestros productos se entregan con garantías que no pueden ser excluidas según la Australian Consumer Law (Ley australiana de consumidores). Usted tiene derecho a sustitución o reembolso por un fallo mayor y a compensación por cualquier otra pérdida o daño razonable previsible. Usted también tiene derecho a que los bienes sean reparados o sustituidos si los bienes no son de calidad aceptable y la falla no llega a ser un fallo mayor.

SOLO PARA NUEVA ZELANDA: Nada de esta declaración de garantía excluye, restringe o modifica ninguna condición, derecho de garantía o solución que, conforme a la legislación de Nueva Zelanda (Comunidad o Estado), incluso la Fair Trading Practices Act (Ley de transacciones comerciales justas) de 1986 o la Consumer Guarantees Act (Ley de garantías de los consumidores, "CGA") de 1993, se aplique a esta garantía limitada y por lo tanto no puede ser sometida a exclusiones, restricciones o modificaciones. Nada de esta declaración tiene el propósito de tener efecto de contratar fuera de las previsiones de la CGA, excepto con el alcance permitido por la ley y estos términos se deben modificar con el alcance necesario para hacer efectiva esta intención. Si adquiere bienes de Generac Power Systems o alguno de sus revendedores y distribuidores autorizados con propósitos comerciales, entonces, conforme a la sección 43(2) de la CGA, se acuerda que no se aplican las previsiones de la CGA.

GENERAC POWER SYSTEMS, INC. • P.O. BOX 8 • Waukesha, WI 53187, EE. UU.
 Tel.: (888) GENERAC (436-3722) • Fax: (262) 544-4851

Para ubicar el Concesionario de servicio autorizado independiente más cercano y descargar diagramas esquemáticos, despieces y listas de piezas visite nuestro sitio Web: www.generac.com

Garantie limitée prolongée de 2 ans (2C) de Generac Power Systems sur les générateurs de secours industriels

Pendant la période de garantie mentionnée ci-bas, qui débute dès le démarrage réussi de l'appareil ou l'activation en ligne de l'appareil, Generac Power Systems, Inc. (Generac) garantit que son générateur sera exempt de vices de matériaux et fabrication en ce qui concerne les éléments et la période indiqués ci-dessous. À sa seule discrétion, Generac réparera ou remplacera toute pièce qui est jugée défectueuse après l'évaluation, l'inspection et la mise à l'essai par Generac ou un fournisseur de services d'entretien agréé indépendant. Tout équipement que l'acheteur/propriétaire prétend être défectueux doit être évalué par le fournisseur de services d'entretien agréé indépendant le plus près. Les composantes relatives aux émissions ne sont pas couvertes en vertu de la présente garantie. La couverture des composantes relatives aux émissions est détaillée dans une garantie distincte.

Couverture de la garantie : La période de garantie est de deux (2) ans ou de deux mille (2000) heures, selon la première éventualité.

Période de garantie de 1 à 2 ans
Pièces, main-d'œuvre et couverture limitée des déplacements

Couverture limitée de la boîte à engrenages :

Période : couverture de 1 à 5 ans	Période : couverture de 6 à 10 ans
Couverture limitée – pièces et main-d'œuvre	Couverture limitée – pièces seulement

Lignes directrices :

1. L'appareil doit être enregistré et la preuve d'achat doit être présentée sur demande.
2. Toute réparation sous garantie doit être effectuée par un fournisseur de services d'entretien agréé indépendant ou l'une de ses succursales, et toute préoccupation doit être également traitée par un fournisseur de services d'entretien agréé indépendant de Generac ou l'une de ses succursales. Toute réparation ou évaluation effectuée par des personnes autres qu'un fournisseur de services d'entretien agréé indépendant qui n'a pas été autorisée par écrit par Generac ne sera pas couverte.
3. La présente garantie est transférable conjointement à la propriété du site d'installation d'origine.
4. Les chauffeferettes à liquide de refroidissement du moteur (chauffe-moteur), les commandes de chauffage et les pompes de circulation fournies par Generac ne sont couvertes que pendant la première année de la période de garantie.
5. Generac peut choisir, à sa seule discrétion, de réparer, de remplacer ou de rembourser une pièce d'équipement.
6. Les boîtiers sont garantis contre la rouille pendant la première année de possession seulement. Les dommages causés après la réception du générateur sont la responsabilité du propriétaire et ne sont pas couverts par la présente garantie. Les entailles, éraflures, bosses ou égratignures au boîtier peint doivent être réparées sans délai par le propriétaire.
7. La garantie s'applique uniquement aux appareils montés et câblés en permanence.
8. Aucun dommage ou dommage indirect à toute pièce couverte découlant de l'utilisation de pièces non fabriquées par un fabricant d'équipement d'origine ne sera couvert par la garantie.
9. Une preuve d'exécution de tous les travaux d'entretien requis doit être présentée sur demande.
10. La présente garantie couvre les déplacements aller-retour d'un maximum de 480 km (300 miles) et de sept heures et demie (7,5) (par déplacement, selon le moindre des deux) à partir du fournisseur de services d'entretien agréé indépendant le plus près. Tout déplacement supplémentaire requis ne sera pas couvert.
11. Les moteurs, les pièces d'entraînement et les réservoirs de carburant utilisés dans les systèmes d'alimentation de secours de Generac peuvent être protégés au titre de la garantie d'un fabricant d'équipement distinct (les « garanties des fabricants d'équipement d'origine »), sauf indication expresse à l'effet contraire. Les garanties des fabricants d'équipement d'origine s'ajoutent à la présente garantie. Toute réclamation au titre de la garantie pour vices de matériaux ou de fabrication de pièces d'un fabricant d'équipement d'origine sur un produit Generac peut être faite auprès du distributeur ou du réseau de fournisseurs de ce fabricant d'équipement d'origine. Les garanties des fabricants d'équipement d'origine peuvent varier et faire l'objet de modifications. Generac n'a aucune responsabilité découlant des garanties offertes par les fabricants d'équipement d'origine.

Les éléments suivants ne seront PAS couverts par la présente garantie :

1. Les coûts d'entretien normal (c'est-à-dire mises au point, réglages de pièces associées, ajustements, resserrage de fixations, installation et démarrage).
2. Les dommages ou défaillances du générateur causés par un accident, le transport, la manutention ou un entreposage inadéquat.
3. Les dommages/défaillances causés par l'utilisation de carburants inappropriés ou l'utilisation à des vitesses, avec des charges ou selon une installation autres que ce qui est recommandé ou spécifié par Generac Power Systems.
4. Les dommages au générateur causés par l'utilisation de pièces ou d'équipement non fabriqués par Generac, de carburant, d'huile, de liquide de refroidissement et d'antigel contaminé ou encore du manque de carburant, d'huile, de liquide de refroidissement et d'antigel.
5. Les défaillances causées par l'usure normale, un accident, une utilisation inappropriée, une utilisation abusive, une négligence, une installation inadéquate, un dimensionnement inadéquat ou une infestation de rongeurs, de reptiles ou d'insectes.
6. L'équipement de location utilisé pendant que des réparations sous garantie sont effectuées et/ou tout équipement extraordinaire utilisé pour retirer ou réinstaller le générateur (c'est-à-dire grues, appareils de levage, élévateurs, etc.).
7. Les avions, les traversiers, les trains, les autobus, les hélicoptères, les motoneiges, les dameuses, les véhicules hors route ou tout autre moyen de transport jugé non standard par Generac.
8. Les produits modifiés ou altérés d'une manière qui n'a pas été autorisée par écrit par Generac.
9. Les batteries de démarrage, les fusibles, les ampoules électriques, les fluides de moteur et toute main-d'œuvre connexe.
10. Les boîtiers en acier qui rouillent en raison d'une installation inadéquate, d'une installation dans un environnement difficile ou salin ou d'égratignures qui compromettent l'intégrité de la peinture appliquée sur le boîtier.
11. Les appareils vendus, cotés ou utilisés selon les applications suivantes, telles qu'elles sont définies par Generac : « puissance électrique de base », « monté sur remorque » ou « unité de location ». Veuillez communiquer avec un fournisseur de services d'entretien agréé indépendant pour obtenir les définitions.
12. Les coûts d'expédition liés à l'expédition accélérée.
13. Les coûts supplémentaires liés aux heures supplémentaires, aux jours fériés ou aux services d'urgence pour toute réparation effectuée en dehors des heures normales de bureau.
14. Tout dommage accessoire, subséquent ou indirect causé par un défaut de matériau et de fabrication ou par tout retard dans la réparation ou le remplacement de pièces défectueuses.
15. Les défaillances causées par un cas de force majeure ou une cause externe y compris, sans toutefois s'y limiter, le feu, le vol, le gel, la guerre, la foudre, un tremblement de terre, une tempête, la grêle, la pluie, une tornade, un ouragan ou toute autre situation raisonnablement hors du contrôle du fabricant.

LA PRÉSENTE GARANTIE REMPLACE TOUTES LES AUTRES GARANTIES, EXPLICITES OU IMPLICITES. EN PARTICULIER, GENERAC N'OFFRE AUCUNE AUTRE GARANTIE QUANT À LA QUALITÉ MARCHANDE OU À LA CONVENANCE À UN USAGE PARTICULIER. TOUTE GARANTIE IMPLICITE AUTORISÉE PAR LA LOI SERA LIMITÉE À LA DURÉE DE LA PÉRIODE DE LA PRÉSENTE GARANTIE EXPLICITE. CERTAINS ÉTATS OU PROVINCES NE PERMETTENT PAS LES LIMITATIONS SUR LA DURÉE D'UNE GARANTIE IMPLICITE ET, PAR CONSÉQUENT, LA PRÉSENTE LIMITATION PEUT NE PAS S'APPLIQUER. LA RESPONSABILITÉ DE GENERAC SE LIMITERA À LA RÉPARATION OU AU REMPLACEMENT DES PIÈCES, COMME INDICÉ PRÉCÉDEMMENT. EN AUCUN CAS GENERAC NE POURRA ÊTRE TENUE RESPONSABLE DE DOMMAGES ACCESSOIRES OU SUBSÉQUENTS, MÊME SI LES DOMMAGES RÉSULTENT DIRECTEMENT DE LA NÉGLIGENCE DE GENERAC. CERTAINS ÉTATS OU PROVINCES N'AUTORISENT PAS L'EXCLUSION NI LA LIMITATION DES DOMMAGES ACCESSOIRES OU INDIRECTS ET, PAR CONSÉQUENT, LA LIMITATION ÉNONCÉE CI-DESSUS PEUT NE PAS S'APPLIQUER. CETTE GARANTIE VOUS CONFÈRE DES DROITS LÉGAUX PRÉCIS. VOUS POUVEZ ÉGALEMENT JOUIR D'AUTRES DROITS EN VERTU DES LOIS APPLICABLES.

POUR L'Australie UNIQUEMENT : Nos produits sont fournis avec des garanties qui ne peuvent être exclues en vertu de la loi australienne sur la consommation (Australian Consumer Law). Vous avez droit à un remplacement ou à un remboursement pour une défaillance majeure et à une indemnisation pour toute autre perte ou tout dommage raisonnablement prévisible. Vous disposez également d'un droit à la réparation ou au remplacement si les produits ne sont pas d'une qualité acceptable et si cette défaillance n'est pas considérée comme majeure.

POUR LA NOUVELLE-ZÉLANDE UNIQUEMENT : Cette garantie n'exclut, ne restreint ni ne modifie aucune condition, aucun droit de garantie ou recours qui, conformément à la législation de Nouvelle-Zélande (Commonwealth ou État), y compris la loi sur la pratique commerciale loyale de 1986 (Fair Trading Practices Act) ou la loi sur la protection du consommateur de 1993 (CGA ou Consumer Guarantees Act), s'applique à cette garantie limitée et ne peut pas être exclue, restreinte ou modifiée. Cette garantie ne vise en aucun cas à contourner les dispositions de la CGA, sauf dans la mesure permise par cette loi, et ces termes doivent être modifiés dans la mesure nécessaire pour donner effet à cette intention. Si vous faites l'acquisition d'un produit de Generac Power Systems ou d'un de ses distributeurs et revendeurs autorisés à des fins commerciales, alors, conformément à l'article 43(2) de la CGA, il est convenu que les dispositions de la CGA ne s'appliquent pas.

GENERAC POWER SYSTEMS, INC. • C.P. 8 • Waukesha, WI (É.-U.) 53187
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Pour trouver le fournisseur de services d'entretien agréé indépendant le plus près et pour télécharger les schémas, les vues éclatées et les listes de pièces visitez notre site Web : www.generac.com

Generac Power Systems 2 Year (2C) Extended Limited Warranty for Industrial Transfer Switch Systems

For the period of warranty noted below, which begins upon the successful start-up and/or on-line activation of the unit, Generac Power Systems, Inc. "Generac" warrants that its transfer switch will be free from defects in material and workmanship for the items and period set forth below. Generac will, at its discretion, repair or replace any part(s) which, upon evaluation, inspection and testing by Generac or an Independent Authorized Service Dealer, is found to be defective. Any equipment that the purchaser/owner claims to be defective must be evaluated by the nearest Independent Authorized Service Dealer.

Warranty Coverage in Year(s) 1-2

Parts, Labor and Limited Travel

Guidelines:

1. Unit must be registered and proof of purchase available.
2. Any and all warranty repairs and/or concerns must be performed and/or addressed by an Independent Authorized Service Dealer, or branch thereof. Repairs or diagnostics performed by individuals other than Independent Authorized Service Dealers not authorized in writing by Generac will not be covered.
3. Warranty is transferable between ownership of original installation site.
4. Generac may choose to repair, replace or refund a piece of equipment in its sole discretion.
5. Warranty only applies to permanently wired and mounted units.
6. Enclosures are warranted for the first year of ownership only. Damage caused after receipt of generator is the responsibility of the owner and is not covered by this warranty. Nicks, scrapes, dents or scratches to the painted enclosure should be repaired promptly by the owner.
7. Proof of performance of all required maintenance must be available.
8. Travel allowance is limited to 300 miles maximum or seven and one half (7.5) hours maximum (per occurrence, whichever is less) round trip from the nearest Independent Authorized Service Dealer. Any additional travel required will not be covered.

The following will NOT be covered by this warranty:

1. Costs of normal maintenance (i.e. associated part(s), adjustments, installation and start-up).
2. Damage to the transfer switch system caused by accidents, shipping, handling or improper storage.
3. Damage/failures caused by operation with loads or installations other than what's recommended or specified by Generac. Unauthorized modification/misapplication will not be warranted unless authorized by Generac in writing.
4. Rental equipment used while warranty repairs are being performed and/or any extraordinary equipment used for removal and/or reinstallation of generator (i.e. cranes, hoists, lifts, et. al.).
5. Planes, ferries, railroad, buses, helicopters, snowmobiles, snow-cats, off-road vehicles or any other mode of transport deemed not standard by Generac.
6. Failures due to normal wear and tear, accident, misuse, abuse, neglect, improper installation, or improper sizing.
7. Damage to any covered components or consequential damages caused by the use of a non-OEM part will not be covered by this warranty.
8. Damage related to rodent, reptile, and/or insect infestation.
9. Repairs or diagnostics performed by individuals other than Independent Authorized Service Dealers not authorized in writing by Generac.
10. Steel enclosures that rust as a result of improper installation, location in a harsh or salt water environment, or are scratched where the integrity of applied paint is compromised.
11. Fuses, light bulbs and any related labor.
12. Units sold, rated or used for "Prime Power", "Trailer Mounted" or "Rental Unit" applications as defined by Generac. Contact an Independent Authorized Service Dealer for definitions.
13. Failures caused by any act of God or external cause including without limitation, fire, theft, freezing, war, lightning, earthquake, windstorm, hail, water, tornado, hurricane, or any other matters which are reasonably beyond the manufacturer's control.
14. Shipping costs associated with expedited shipping.
15. Any incidental, consequential or indirect damages caused by defects in materials or workmanship, or any delay in repair or replacement of the defective part(s).
16. Any unit built/manufactured prior to 2014 models.
17. Overtime, holiday or emergency labor.
18. Living or travel expenses of person(s) performing service, except as specifically included within the terms of a specific unit warranty period.

THIS WARRANTY SUPERSEDES ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. SPECIFICALLY, GENERAC MAKES NO OTHER WARRANTIES AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ANY IMPLIED WARRANTIES WHICH ARE ALLOWED BY LAW, SHALL BE LIMITED IN DURATION TO THE TERMS OF THE EXPRESS LIMITED WARRANTY PROVIDED HEREIN. SOME JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. GENERAC'S ONLY LIABILITY SHALL BE THE REPAIR OR REPLACEMENT OF PART(S) AS STATED ABOVE. IN NO EVENT SHALL GENERAC BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, EVEN IF SUCH DAMAGES ARE A DIRECT RESULT OF GENERAC'S NEGLIGENCE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU COULD ALSO HAVE OTHER RIGHTS UNDER APPLICABLE LAW.

FOR AUSTRALIA ONLY: Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

FOR NEW ZEALAND ONLY: Nothing in this warranty statement excludes, restricts or modifies any condition, warranty right or remedy which pursuant to the New Zealand Legislation (Commonwealth or State) including the Fair Trading Practices Act of 1986 or the Consumer Guarantees Act 1993 ("CGA") applies to this limited warranty and may not be so excluded, restricted or modified. Nothing in this statement is intended to have the effect of contracting out of the provisions of the CGA, except to the extent permitted by that Act, and these terms are to be modified to the extent necessary to give effect to that intention. If you acquire goods from Generac Power Systems or any of its authorized resellers and distributors for the purposes of a business, then pursuant to section 43(2) of the CGA, it is agreed that the provisions of the CGA do not apply.

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To locate the nearest Independent Authorized Service Dealer and to download schematics, exploded views and parts lists
visit our website: www.generac.com

Garantía limitada extendida de 2 años (2C) de Generac Power Systems para los sistemas de interruptores de transferencia industriales

Durante el período de garantía indicado abajo, que comienza desde la puesta en marcha y/o activación exitosa en línea de la unidad, Generac Power Systems, Inc. "Generac" garantiza que su sistema de interruptor de transferencia estará libre de defectos de material y/o mano de obra para los ítems y el período indicados a continuación. Generac, a su discreción, reparará o sustituirá cualquier pieza o piezas que, por medio de la evaluación, inspección y prueba efectuada por Generac o un Concesionario de servicio autorizado independiente de Generac, se determine que es o son defectuosa(s). Todo equipo que el comprador o propietario reclame como defectuoso debe ser evaluado por el Concesionario de servicio autorizado independiente de Generac más cercano.

Cobertura de la garantía en año(s) 1-2

Sobre piezas, mano de obra y gastos de viaje limitados

Directrices:

1. La unidad debe estar registrada y tener prueba de compra disponible.
2. Cualquiera y todas las reparaciones y/o preocupaciones por garantía deben ser efectuadas y/o dirigidas por un Concesionario de servicio autorizado independiente de Generac, o una sucursal de este. No serán cubiertas las reparaciones o los diagnósticos efectuados por personas diferentes de los Concesionarios de servicio autorizados independientes de Generac no autorizados por escrito por Generac.
3. La garantía es transferible entre propietarios del sitio de instalación original.
4. Generac puede elegir reparar, sustituir o reembolsar una pieza del equipo a su exclusiva discreción.
5. La garantía corresponde solamente a las unidades conectadas y montadas en forma permanente.
6. Los gabinetes están garantizados contra corrosión solamente durante el primer año de propiedad. El daño causado después de la recepción del generador es responsabilidad del comprador y no está cubierto por esta garantía. Las muescas, raspaduras, abolladuras o rayaduras de gabinete pintado deben ser reparadas sin demora por el propietario.
7. Debe haber disponible prueba de la ejecución de todo el mantenimiento requerido.
8. Las asignaciones para viaje están limitadas a 300 millas como máximo o siete horas y media (7.5) horas como máximo (por ocurrencia, lo que sea menor), viaje de ida y vuelta, desde el Concesionario de servicio autorizado independiente de Generac más cercano. Todo gasto de viaje adicional requerido no será cubierto.

Lo siguiente NO será cubierto por esta garantía:

1. Los costes del mantenimiento normal (es decir: pieza[s] relacionada[s], ajustes, instalación y puesta en marcha inicial).
2. Los daños al sistema de interruptor de transferencia causados por accidentes, envío, manipulación o almacenamiento incorrecto.
3. Los daños/fallos causados por la operación con cargas o instalaciones incorrectas diferentes de las recomendadas o especificadas por Generac. Las modificaciones/aplicaciones incorrectas no autorizadas no estarán garantizadas salvo que sean autorizadas por Generac por escrito.
4. Equipos arrendados usados mientras se llevan a cabo reparaciones de garantía y/o todos los equipos extraordinarios usados para retirar y/o reinstalar el generador, (esto es: grúas, malacates, elevadores, etc.).
5. Aeronaves, transbordadores, ferrocarril, autobuses, helicópteros, motocicletas para nieve, camiones para nieve, vehículos fuera de ruta o cualquier otro modo de transporte no considerado estándar por Generac.
6. Fallos debidos a: desgaste y daño normal, accidente, uso indebido, abuso, negligencia, instalación incorrecta o dimensionamiento incorrecto.
7. Los daños a cualquier componente o los daños emergentes causados por el uso de una pieza que no sea OEM no estarán cubiertos por esta garantía.
8. Daños relacionados con plagas de roedores, reptiles y/o insectos.
9. Las reparaciones o los diagnósticos efectuados por personas diferentes de los Concesionarios de servicio autorizados de Generac no autorizados por escrito por Generac.
10. Los gabinetes de acero que se corroen debido a instalación incorrecta, ubicación en un entorno agresivo o con agua salada, o se rayen donde esté comprometida la integridad de la pintura aplicada.
11. Fusibles, bombillas de luz y mano de obra relacionada.
12. Las unidades vendidas, calificadas para, o usadas en aplicaciones de "Alimentación eléctrica principal", "Montada en remolque" o "Unidad en alquiler" como las define Generac. Comuníquese con un Concesionario de servicio autorizado independiente para las definiciones.
13. Los fallos causados por cualquier acto de fuerza mayor o causa externa, que incluyen, sin limitaciones, incendio, robo, congelamiento, guerra, rayos, terremoto, tormenta de viento, granizo, agua, tornado, huracán, o cualesquiera otros asuntos que estén fuera del control razonable del fabricante.
14. Costes de envío asociados con envío urgente.
15. Todos los daños accesorios, emergentes o indirectos causados por defectos en los materiales o mano de obra o toda demora en la reparación o sustitución de la(s) pieza(s) defectuosa(s).
16. Toda unidad fabricada/construida antes de los modelos de 2014.
17. Horas extra, trabajo en días festivos o de emergencia.
18. Gastos de estadía o viaje de la(s) persona(s) que efectúe(n) el servicio, excepto como se incluya específicamente dentro de los términos del período de garantía de una unidad específica.

ESTA GARANTÍA SUSTITUYE CUALQUIER OTRA GARANTÍA, EXPRESA O IMPLÍCITA. ESPECÍFICAMENTE, GENERAC NO EXTIENDE NINGUNA OTRA GARANTÍA ACERCA DE LA COMERCIALIZACIÓN O APTITUD PARA UN PROPÓSITO EN PARTICULAR. LA DURACIÓN DE TODAS LAS GARANTÍAS IMPLÍCITAS PERMITIDAS POR LA LEY ESTARÁ LIMITADA A LAS CONDICIONES DE LA GARANTÍA LIMITADA EXPRESA ESTIPULADA EN LA PRESENTE. ALGUNAS JURISDICCIONES NO PERMITEN LIMITACIONES DE LA DURACIÓN DE UNA GARANTÍA IMPLÍCITA; POR LO TANTO, LA LIMITACIÓN PRECEDENTE PUEDE NO APLICARSE A USTED. LA ÚNICA RESPONSABILIDAD DE GENERAC SERÁ REPARAR O SUSTITUIR LA(S) PIEZA(S) COMO SE ESTIPULÓ PRECEDENTEMENTE. GENERAC NO SERÁ RESPONSABLE EN NINGÚN CASO POR NINGÚN DAÑO ACCESORIO O EMERGENTE, AUN CUANDO TAL DAÑO SEA RESULTADO DIRECTO DE LA NEGLIGENCIA DE GENERAC. ALGUNAS JURISDICCIONES NO PERMITEN LA EXCLUSIÓN O LIMITACIÓN DE DAÑOS ACCESORIOS O EMERGENTES, DE MANERA QUE LA LIMITACIÓN PRECEDENTE PUEDE NO APLICARSE A USTED. ESTA GARANTÍA LE OTORGA DERECHOS LEGALES ESPECÍFICOS. TAMBIÉN PUEDE TENER OTROS DERECHOS BAJO LA LEY CORRESPONDIENTE.

SOLO PARA AUSTRALIA: Nuestros productos se entregan con garantías que no pueden ser excluidas según la Australian Consumer Law (Ley australiana de consumidores). Usted tiene derecho a sustitución o reembolso por un fallo mayor y a compensación por cualquier otra pérdida o daño razonable previsible. Usted también tiene derecho a que los bienes sean reparados o sustituidos si los bienes no son de calidad aceptable y la falla no llega a ser un fallo mayor.

SOLO PARA NUEVA ZELANDA: Nada de esta declaración de garantía excluye, restringe o modifica ninguna condición, derecho de garantía o solución que, conforme a la legislación de Nueva Zelanda (Comunidad o Estado), incluso la Fair Trading Practices Act (Ley de transacciones comerciales justas) de 1986 o la Consumer Guarantees Act (Ley de garantías de los consumidores, "CGA") de 1993, se aplique a esta garantía limitada y por lo tanto no puede ser sometida a exclusiones, restricciones o modificaciones. Nada de esta declaración tiene el propósito de tener efecto de contratar fuera de las previsiones de la CGA, excepto con el alcance permitido por la ley y estos términos se deben modificar con el alcance necesario para hacer efectiva esta intención. Si adquiere bienes de Generac Power Systems o alguno de sus revendedores y distribuidores autorizados con propósitos comerciales, entonces, conforme a la sección 43(2) de la CGA, se acuerda que no se aplican las previsiones de la CGA.

GENERAC POWER SYSTEMS, INC. • P.O. BOX 8 • Waukesha, WI 53187, EE. UU.
Tel.: (888) GENERAC (436-3722) • Fax: (262) 544-4851

Para ubicar el Concesionario de servicio autorizado independiente más cercano y descargar diagramas esquemáticos, despieces y listas de piezas visite nuestro sitio Web: www.generac.com

Garantie limitée prolongée de 2 ans (2C) de Generac Power Systems sur les commutateurs de transfert industriels

Pendant la période de garantie mentionnée ci-bas, qui débute dès le démarrage réussi de l'appareil ou l'activation en ligne de l'appareil, Generac Power Systems, Inc. (Generac) garantit que son commutateur de transfert sera exempt de vices de matériaux et fabrication en ce qui concerne les éléments et la période indiqués ci-dessous. À sa seule discrétion, Generac réparera ou remplacera toute pièce qui est jugée défectueuse après l'évaluation, l'inspection et la mise à l'essai par Generac ou un fournisseur de services d'entretien agréé indépendant. Tout équipement que l'acheteur/propriétaire prétend être défectueux doit être évalué par le fournisseur de services d'entretien agréé indépendant le plus près.

Période de garantie de 1 à 2 ans

Pièces, main-d'œuvre et couverture limitée des déplacements

Lignes directrices :

1. L'appareil doit être enregistré et la preuve d'achat doit être présentée sur demande.
2. Toute réparation sous garantie doit être effectuée par un fournisseur de services d'entretien agréé indépendant ou l'une de ses succursales, et toute préoccupation doit être également traitée par un fournisseur de services d'entretien agréé indépendant de Generac ou l'une de ses succursales. Toute réparation ou évaluation effectuée par des personnes autres que des fournisseurs de services d'entretien agréés indépendants qui n'a pas été autorisée par écrit par Generac ne sera pas couverte.
3. La présente garantie est transférable conjointement à la propriété du site d'installation d'origine.
4. Generac peut choisir, à sa seule discrétion, de réparer, de remplacer ou de rembourser une pièce d'équipement.
5. La garantie s'applique uniquement aux appareils montés et câblés en permanence.
6. Les boîtiers sont garantis pendant la première année de possession seulement. Les dommages causés après la réception du générateur sont la responsabilité du propriétaire et ne sont pas couverts par la présente garantie. Les entailles, éraflures, bosses ou égratignures au boîtier peint doivent être réparées sans délai par le propriétaire.
7. Une preuve d'exécution de tous les travaux d'entretien requis doit être présentée sur demande.
8. La présente garantie couvre les déplacements aller-retour d'un maximum de 480 km (300 miles) et de sept heures et demie (7,5) (par déplacement, selon le moindre des deux) à partir du fournisseur de services d'entretien agréé indépendant le plus près. Tout déplacement supplémentaire requis ne sera pas couvert.

Les éléments suivants ne seront PAS couverts par la présente garantie :

1. Les coûts d'entretien normal (c'est-à-dire pièces associées, ajustements, installation et démarrage).
2. Les dommages au commutateur de transfert causés par un accident, le transport, la manutention ou un entreposage inadéquat.
3. Les dommages/défaillances causés par des charges ou selon une installation autres que ce qui est recommandé ou spécifié par Generac. Les modifications ou les utilisations non autorisées ne seront pas couvertes, sauf si Generac les autorise par écrit.
4. L'équipement de location utilisé pendant que des réparations sous garantie sont effectuées et/ou tout équipement extraordinaire utilisé pour retirer ou réinstaller le générateur (c'est-à-dire grues, appareils de levage, élévateurs, etc.).
5. Les avions, les traversiers, les trains, les autobus, les hélicoptères, les motoneiges, les dameuses, les véhicules hors route ou tout autre moyen de transport jugé non standard par Generac.
6. Les défaillances causées par l'usure normale, un accident, une utilisation inappropriée, une utilisation abusive, une négligence, une installation inadéquate ou un dimensionnement inadéquat.
7. Aucun dommage ou dommage indirect à toute pièce couverte découlant de l'utilisation de pièces non fabriquées par un fabricant d'équipement d'origine ne sera couvert par la présente garantie.
8. Les dommages causés par une infestation de rongeurs, de reptiles ou d'insectes.
9. Toute réparation ou évaluation effectuée par des personnes autres que des fournisseurs de services d'entretien agréés indépendants qui n'a pas été autorisée par écrit par Generac.
10. Les boîtiers en acier qui rouillent en raison d'une installation inadéquate, d'une installation dans un environnement difficile ou salin ou d'égratignures qui compromettent l'intégrité de la peinture appliquée sur le boîtier.
11. Les fusibles, les ampoules électriques et toute main-d'œuvre connexe.
12. Les appareils vendus, cotés ou utilisés selon les applications suivantes, telles qu'elles sont définies par Generac : « puissance électrique de base », « monté sur remorque » ou « unité de location ». Veuillez communiquer avec un fournisseur de services d'entretien agréé indépendant pour obtenir les définitions.
13. Les défaillances causées par un cas de force majeure ou une cause externe y compris, sans toutefois s'y limiter, le feu, le vol, le gel, la guerre, la foudre, un tremblement de terre, une tempête, la grêle, la pluie, une tornade, un ouragan ou toute autre situation raisonnablement hors du contrôle du fabricant.
14. Les coûts d'expédition liés à l'expédition accélérée.
15. Tout dommage accessoire, subséquent ou indirect causé par un défaut de matériau et de fabrication ou par tout retard dans la réparation ou le remplacement de pièces défectueuses.
16. Tout appareil construit/fabriqués avant les modèles 2014.
17. Les heures supplémentaires, les jours fériés ou les salaires de la main-d'œuvre d'urgence.
18. Les frais d'hébergement ou de transport des personnes réalisant l'entretien, sauf s'ils sont spécifiquement compris en vertu des conditions d'une période de garantie d'un appareil spécifique.

LA PRÉSENTE GARANTIE REMPLACE TOUTES LES AUTRES GARANTIES, EXPLICITES OU IMPLICITES. EN PARTICULIER, GENERAC N'OFFRE AUCUNE GARANTIE QUANT À LA QUALITÉ MARCHANDE OU À LA CONVENANCE À UN USAGE PARTICULIER. TOUTE GARANTIE IMPLICITE AUTORISÉE PAR LA LOI SERA LIMITÉE À LA DURÉE DE LA PÉRIODE DE LA PRÉSENTE GARANTIE LIMITÉE EXPLICITE. CERTAINS ÉTATS OU PROVINCES NE PERMETTENT PAS LES LIMITATIONS SUR LA DURÉE D'UNE GARANTIE IMPLICITE ET, PAR CONSÉQUENT, LA PRÉSENTE LIMITATION PEUT NE PAS S'APPLIQUER. LA RESPONSABILITÉ DE GENERAC SE LIMITERA À LA RÉPARATION OU AU REMPLACEMENT DES PIÈCES, COMME INDIQUÉ PRÉCÉDEMMENT. EN AUCUN CAS GENERAC NE POURRA ÊTRE TENUE RESPONSABLE DE DOMMAGES ACCESSOIRES OU SUBSÉQUENTS, MÊME SI LES DOMMAGES RÉSULTENT DIRECTEMENT DE LA NÉGLIGENCE DE GENERAC. CERTAINS ÉTATS OU PROVINCES N'AUTORISENT PAS L'EXCLUSION NI LA LIMITATION DES DOMMAGES ACCESSOIRES OU INDIRECTS ET, PAR CONSÉQUENT, LA LIMITATION ÉNONCÉE CI-DESSUS PEUT NE PAS S'APPLIQUER. CETTE GARANTIE VOUS CONFÈRE DES DROITS LÉGAUX PRÉCIS. VOUS POUVEZ ÉGALEMENT JOUIR D'AUTRES DROITS EN VERTU DES LOIS APPLICABLES.

POUR L'Australie UNIQUEMENT : Nos produits sont fournis avec des garanties qui ne peuvent être exclues en vertu de la loi australienne sur la consommation (Australian Consumer Law). Vous avez droit à un remplacement ou à un remboursement pour une défaillance majeure et à une indemnisation pour toute autre perte ou tout dommage raisonnablement prévisible. Vous disposez également d'un droit à la réparation ou au remplacement si les produits ne sont pas d'une qualité acceptable et si cette défaillance n'est pas considérée comme majeure.

POUR LA Nouvelle-Zélande UNIQUEMENT : Cette garantie n'exclut, ne restreint ni ne modifie aucune condition, aucun droit de garantie ou recours qui, conformément à la législation de Nouvelle-Zélande (Commonwealth ou État), y compris la loi sur la pratique commerciale loyale de 1986 (Fair Trading Practices Act) ou la loi sur la protection du consommateur de 1993 (CGA ou Consumer Guarantees Act), s'applique à cette garantie limitée et ne peut pas être exclue, restreinte ou modifiée. Cette garantie ne vise en aucun cas à contourner les dispositions de la CGA, sauf dans la mesure permise par cette loi, et ces termes doivent être modifiés dans la mesure nécessaire pour donner effet à cette intention. Si vous faites l'acquisition d'un produit de Generac Power Systems ou d'un de ses distributeurs et revendeurs autorisés à des fins commerciales, alors, conformément à l'article 43(2) de la CGA, il est convenu que les dispositions de la CGA ne s'appliquent pas.

GENERAC POWER SYSTEMS, INC. • C.P. 8 • Waukesha, WI (É.-U.) 53187
Téléphone : (888) GENERAC (436-3722) • Télécopieur : (262) 544-4851

Pour trouver le fournisseur de services d'entretien agréé indépendant le plus près et pour télécharger les schémas, les vues éclatées et les listes de pièces

visitez notre site Web : www.generac.com



CERTIFICATE



This is to certify that

Generac Power Systems, Inc.

S45 W29290 Hwy. 59
Waukesha, WI 53189
United States of America

with the organizational units/sites as listed in the annex

has implemented and maintains a **Quality Management System.**

Scope:
Design, Manufacturing, and Distribution of Generators and Power Products.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 9001 : 2015

Certificate registration no.	10012920 QM15
Date of original certification	2013-12-09
Date of certification	2018-07-16
Valid until	2021-07-15



DQS Inc.

Brad McGuire
Managing Director





**Annex to certificate
Registration No. 10012920 QM15**

Generac Power Systems, Inc.

S45 W29290 Hwy. 59
Waukesha, WI 53189
United States of America



Location

Scope

10012920
Generac Power Systems, Inc.
S45 W29290 Hwy. 59
Waukesha, WI 53189
United States of America

Design, Manufacturing of Generator Components and Distribution of Service Parts.

10012922
Generac Power Systems, Inc.
211 Murphy Dr.
Eagle, WI 53119
United States of America

Manufacturing and Distribution of Generators.

10012923
Generac Power Systems, Inc.
757 N. Newcomb St.
Whitewater, WI 53190
United States of America

Manufacturing and Distribution of Generators and Manufacture of Generator components.

10012924
Generac Power Systems, Inc.
900 N. Parkway
Jefferson, WI 53549
United States of America

Manufacturing of Generators and Power Products.

10013528
Generac Power Systems
3815 Oregon St.
Oshkosh, WI 54902
United States of America

Manufacturing of Generators.

Remote Location

Scope

10014175
Generac Power Systems, Inc.
351 Collins Road
Jefferson, WI 53549
United States of America

The remote location at Jefferson, WI performs the following primary functions: Parts and Components Receiving, Inventory, and Distribution to Generac Locations.

This annex (edition: 2018-07-16) is only valid in connection with the above-mentioned certificate.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
2019 MODEL YEAR
CERTIFICATE OF CONFORMITY
WITH THE CLEAN AIR ACT**

**OFFICE OF TRANSPORTATION
AND AIR QUALITY
ANN ARBOR, MICHIGAN 48105**

Certificate Issued To: **FPT Industrial S.p.A.**
(U.S. Manufacturer or Importer)
Certificate Number: **KFPXL06.7DGB-003**

Effective Date:
07/16/2018
Expiration Date:
12/31/2019


Byron J. Bunker, Division Director
Compliance Division

Issue Date:
07/16/2018
Revision Date:
N/A

Model Year: 2019
Manufacturer Type: Original Engine Manufacturer
Engine Family: KFPXL06.7DGB

Mobile/Stationary Indicator: Stationary
Emissions Power Category: 75<=kW<130
Fuel Type: Diesel
After Treatment Devices: No After Treatment Devices Installed
Non-after Treatment Devices: No Non-After Treatment Devices Installed

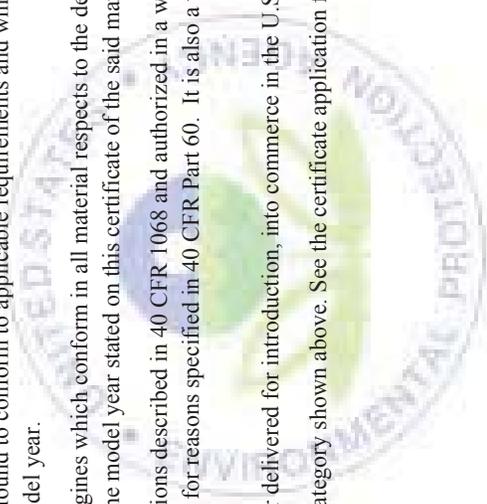
Pursuant to Section 111 and Section 213 of the Clean Air Act (42 U.S.C. sections 7411 and 7547) and 40 CFR Part 60, and subject to the terms and conditions prescribed in those provisions, this certificate of conformity is hereby issued with respect to the test engines which have been found to conform to applicable requirements and which represent the following engines, by engine family, more fully described in the documentation required by 40 CFR Part 60 and produced in the stated model year.

This certificate of conformity covers only those new compression-ignition engines which conform in all material respects to the design specifications that applied to those engines described in the documentation required by 40 CFR Part 60 and which are produced during the model year stated on this certificate of the said manufacturer, as defined in 40 CFR Part 60.

It is a term of this certificate that the manufacturer shall consent to all inspections described in 40 CFR 1068 and authorized in a warrant or court order. Failure to comply with the requirements of such a warrant or court order may lead to revocation or suspension of this certificate for reasons specified in 40 CFR Part 60. It is also a term of this certificate that this certificate may be revoked or suspended or rendered void *ab initio* for other reasons specified in 40 CFR Part 60.

This certificate does not cover engines sold, offered for sale, or introduced, or delivered for introduction, into commerce in the U.S. prior to the effective date of the certificate.

The actual engine power may lie outside the limits of the Emissions Power Category shown above. See the certificate application for details.



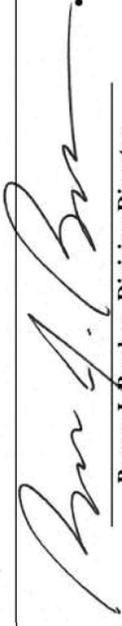


UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
2020 MODEL YEAR
CERTIFICATE OF CONFORMITY
WITH THE CLEAN AIR ACT

OFFICE OF TRANSPORTATION
AND AIR QUALITY
ANN ARBOR, MICHIGAN 48105

Certificate Issued To: **FPT Industrial S.p.A.**
(U.S. Manufacturer or Importer)
Certificate Number: LFPXL06.7DGB-002

Effective Date:
05/10/2019
Expiration Date:
12/31/2020


Byron J. Bunker, Division Director
Compliance Division

Issue Date:
05/10/2019
Revision Date:
N/A

Model Year: 2020
Manufacturer Type: Original Engine Manufacturer
Engine Family: LFPXL06.7DGB

Mobile/Stationary Indicator: Stationary
Emissions Power Category: 75<=kW<130
Fuel Type: Diesel
After Treatment Devices: No After Treatment Devices Installed
Non-after Treatment Devices: No Non-After Treatment Devices Installed

Pursuant to Section 111 and Section 213 of the Clean Air Act (42 U.S.C. sections 7411 and 7547) and 40 CFR Part 60, and subject to the terms and conditions prescribed in those provisions, this certificate of conformity is hereby issued with respect to the test engines which have been found to conform to applicable requirements and which represent the following engines, by engine family, more fully described in the documentation required by 40 CFR Part 60 and produced in the stated model year.

This certificate of conformity covers only those new compression-ignition engines which conform in all material respects to the design specifications that applied to those engines described in the documentation required by 40 CFR Part 60 and which are produced during the model year stated on this certificate of the said manufacturer, as defined in 40 CFR Part 60.

It is a term of this certificate that the manufacturer shall consent to all inspections described in 40 CFR 1068 and authorized in a warrant or court order. Failure to comply with the requirements of such a warrant or court order may lead to revocation or suspension of this certificate for reasons specified in 40 CFR Part 60. It is also a term of this certificate that this certificate may be revoked or suspended or rendered void *ab initio* for other reasons specified in 40 CFR Part 60.

This certificate does not cover engines sold, offered for sale, or introduced, or delivered for introduction, into commerce in the U.S. prior to the effective date of the certificate.

The actual engine power may lie outside the limits of the Emissions Power Category shown above. See the certificate application for details.

Warranty

United States Environmental Protection Agency Warranty Statement (Stationary Emergency Compression-Ignition Generators)

Warranty Rights, Obligations and Coverage

Your emission-related warranty covers only components whose failure would increase an engine's emissions of any regulated pollutant where they are designed, built, and equipped to be free from defects in materials and workmanship under applicable regulations of section 213 of the clean air act. To receive information about how to make an emission-related warranty claim, and how to make arrangements for authorized repairs call **1-800-333-1322** or **www.generac.com**. Emission-related warranty claims may be denied without proof of proper maintenance or use, accidents beyond the control of the manufacturer, or act of God. Proper maintenance is specified in the Owner's Manual. Usage is limited to stationary emergency operations and 100 hours per year for maintenance and readiness testing. The warranty period begins when the engine is placed into service. Warranty periods for compression ignition engines greater than 25 horsepower is five years. This warranty is applicable to compression-ignition generator models; equal to and larger than an SD80 starting 1/1/2011, equal to and larger than an SD35 starting 1/1/2012, and all compression-ignition generator models starting 1/1/2013.

Important Note

This warranty statement explains your rights and obligations under the Emission Control System Warranty, which is provided to you by Generac pursuant to federal law. Note that this warranty shall not apply to any incidental, consequential or indirect damages caused by defects in materials or workmanship or any delay in repair or replacement of the defective part(s). This warranty is in place of all other warranties, expressed or implied. Specifically, Generac makes no other warranties as to the merchantability or fitness for a particular purpose. Any implied warranties which are allowed by law, shall be limited in duration to the terms of the express warranty provided herein. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.