

**GENERAC®****RG  
Protector® Series****Protector® Series  
Standby Generators  
Liquid-Cooled Gaseous Engine**

1 of 15

**STANDARD FEATURES**

- Evolution™ Controller
- Padlockable Control Panel Cover
- Cellular Connectivity for Mobile Link® and Fleet<sub>1</sub>
- Corrosion Resistant Aluminum Enclosure
- 5 Year/2,000 Hour Limited Warranty
- $\pm 1\%$  Digital Voltage Regulation
- <5% Total Harmonic Distortion Power Quality
- Fuel Efficiency
- Propane or Natural Gas
- EPA Emissions Certified
- CA & MA Emissions Compliant 22 & 27 kW Models Available
- UL 2200 Listed
- SwRI® listed (NFPA 37) 22, 27, 32, & 38 kW models for installation as close as 18 in (457 mm) from structure<sub>2</sub>.

1 - Cellular service for the US, Canada, and other supported countries using the Generac Generator Connectivity Accessory, Cellular (GGCAC).

2 - Must be located away from doors, windows, and fresh air intakes and in accordance with applicable codes and regulations.

**OPTIONAL FIELD-INSTALLABLE FEATURES**

Available as field-installable kits

- Push-Button Emergency Stop
- Cold Weather Operation Heaters

**STANDBY POWER RATING**

Model RG02224 - 22 kW, 60 Hz Emergency Standby Power Generator  
 Model RG02724 - 27 kW, 60 Hz Emergency Standby Power Generator  
 Model RG03224 - 32 kW, 60 Hz Emergency Standby Power Generator  
 Model RG03824 - 38 kW, 60 Hz Emergency Standby Power Generator  
 Model RG04524 - 45 kW, 60 Hz Emergency Standby Power Generator  
 Model RG06024 - 60 kW, 60 Hz Emergency Standby Power Generator



Image of RG02224 shown

**GENERAC**  
Mobile Link™



**QUIET-TEST™**

\*Assembled in the USA using domestic and foreign parts

EPA Emissions Certified  
 CA & MA Emissions Compliant 22 & 27 kW Models Available

**FEATURES**

- **INNOVATIVE DESIGN & PROTOTYPE TESTING** are key components of GENERAC'S success in "IMPROVING POWER BY DESIGN." But it doesn't stop there. Total commitment to component testing, reliability testing, environmental testing, destruction and life testing, plus testing to applicable CSA, NEMA, EGSA, and other standards, allows you to choose GENERAC POWER SYSTEMS with the confidence that these systems will provide superior performance.
- **MOBILE LINK® CONNECTIVITY:** Standard with the Generac Liquid-Cooled RG Protector Series home standby generators, Mobile Link Cellular allows users to monitor the status of their generator from anywhere using a smartphone, tablet, or PC. Easily access real-time operating status, maintenance alerts, and generator readiness. Users can also connect their account to an authorized generator servicer for proactive support and streamlined service. With Mobile Link, users can see their generator is ready before the next power outage.
- **TRUE POWER™ ELECTRICAL TECHNOLOGY:** Superior harmonics and sine wave form produce less than 5% Total Harmonic Distortion for utility quality power. This allows confident operation of sensitive electronic equipment and micro-chip based appliances, such as variable speed HVAC systems.
- **SOLID-STATE, FREQUENCY COMPENSATED VOLTAGE REGULATION.** This state-of-the-art power maximizing regulation system is standard on all Generac models. It provides optimized FAST RESPONSE to changing load conditions and MAXIMUM MOTOR STARTING CAPABILITY by electronically torque-matching the surge loads to the engine. Digital voltage regulation at  $\pm 1\%$ .
- **SINGLE SOURCE SERVICE RESPONSE** from Generac's extensive dealer network provides parts and service know-how for the entire unit, from the engine to the smallest electronic component.
- **GENERAC TRANSFER SWITCHES.** Long life and reliability are synonymous with GENERAC POWER SYSTEMS. One reason for this confidence is the GENERAC product line is offered with its own transfer systems and controls for total system compatibility.

GENERATOR SPECIFICATIONS

GENERATOR OUTPUT

PROPANE

| Voltage           | RG02224    |             | RG02724    |             | RG03224    |             | RG03824    |             | RG04524    |             | RG06024    |             |
|-------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
|                   | Power (kW) | Current (A) | Power (kW) | Current (A) | Power (kW) | Current (A) | Power (kW) | Current (A) | Power (kW) | Current (A) | Power (kW) | Current (A) |
| 120/240 V 1-Phase | 22         | 92          | 27         | 113         | 32         | 133         | 38         | 158         | 45         | 188         | 60         | 250         |
| 208/120 V 3-Phase | 22         | 76          | 27         | 94          | 32         | 111         | 38         | 132         | 45         | 156         | 60         | 208         |
| 240/120 V 3-Phase | 22         | 66          | 27         | 81          | 32         | 96          | 38         | 114         | 45         | 135         | 60         | 180         |
| 480/277 V 3-Phase | —          | —           | —          | —           | 32         | 48          | 38         | 57          | 45         | 68          | 60         | 90          |

NATURAL GAS

| Voltage           | RG02224    |             | RG02724    |             | RG03224    |             | RG03824    |             | RG04524    |             | RG06024    |             |
|-------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
|                   | Power (kW) | Current (A) | Power (kW) | Current (A) | Power (kW) | Current (A) | Power (kW) | Current (A) | Power (kW) | Current (A) | Power (kW) | Current (A) |
| 120/240 V 1-Phase | 22         | 92          | 25         | 104         | 32         | 133         | 38         | 158         | 45         | 188         | 60         | 250         |
| 208/120 V 3-Phase | 22         | 76          | 25         | 87          | 32         | 111         | 38         | 132         | 45         | 156         | 60         | 208         |
| 240/120 V 3-Phase | 22         | 66          | 25         | 75          | 32         | 96          | 38         | 114         | 45         | 135         | 60         | 180         |
| 480/277 V 3-Phase | —          | —           | —          | —           | 32         | 48          | 38         | 57          | 45         | 68          | 60         | 90          |

Emergency Standby Power (ESP) Rating: Standby ratings apply to installations served by a reliable utility source. The ESP rating is applicable to varying loads for the duration of a power outage. The average power output over 24 hours shall not exceed 70% of the ESP rating.

VOLTAGE REGULATION

|            |            |
|------------|------------|
| Type       | Electronic |
| Sensing    | 1-Phase    |
| Regulation | ±1%        |

# GENERATOR SPECIFICATIONS

## ALTERNATOR SYSTEM

|                                     |                   | RG02224       | RG02724 | RG03224 | RG03824 | RG04524 | RG06024 |
|-------------------------------------|-------------------|---------------|---------|---------|---------|---------|---------|
| Circuit Breaker (CB) Size (A)       | 120/240 V 1-Phase | 100           | 125     | 150     | 175     | 200     | 300     |
|                                     | 208/120 V 3-Phase | 80            | 100     | 125     | 150     | 175     | 250     |
|                                     | 240/120 V 3-Phase | 80            | 90      | 100     | 125     | 150     | 200     |
|                                     | 480/277 V 3-Phase | —             | —       | 60      | 60      | 80      | 100     |
| Alternator Type                     |                   | Synchronous   |         |         |         |         |         |
| Rotor Insulation Class              |                   | H             |         | F       |         | H       |         |
| Stator Insulation Class             |                   | H             |         |         |         |         |         |
| Telephone Interference Factor (TIF) |                   | <50           |         |         |         |         |         |
| Bearings                            |                   | Sealed Ball   |         |         |         |         |         |
| Coupling                            |                   | Flexible Disc |         |         |         |         |         |
| Excitation System                   |                   | Direct        |         |         |         |         |         |
| Total Harmonic Distortion           |                   | <5%           |         |         |         |         |         |

## SURGE CAPACITY

| Surge Amps at 0.4 Power Factor | RG02224             |                     | RG02724             |                     | RG03224             |                     | RG03824             |                     | RG04524             |                     | RG06024             |                     |
|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                                | 15% Voltage Dip (A) | 30% Voltage Dip (A) | 15% Voltage Dip (A) | 30% Voltage Dip (A) | 15% Voltage Dip (A) | 30% Voltage Dip (A) | 15% Voltage Dip (A) | 30% Voltage Dip (A) | 15% Voltage Dip (A) | 30% Voltage Dip (A) | 15% Voltage Dip (A) | 30% Voltage Dip (A) |
| 120/240 V 1-Phase              | 55                  | 135                 | 62                  | 170                 | 75                  | 180                 | 75                  | 180                 | 105                 | 240                 | 140                 | 320                 |
| 208/120 V 3-Phase              | 40                  | 92                  | 70                  | 120                 | 87                  | 210                 | 87                  | 210                 | 44                  | 130                 | 70                  | 210                 |
| 240/120 V 3-Phase              | 35                  | 80                  | 61                  | 103                 | 75                  | 182                 | 75                  | 182                 | 38                  | 115                 | 61                  | 182                 |
| 480/277 V 3-Phase              | —                   | —                   | —                   | —                   | 36                  | 87                  | 36                  | 87                  | 20                  | 60                  | 30                  | 91                  |

GENERATOR SPECIFICATIONS

ENGINE SYSTEM

|   |  |           |   |   |   |   |
|---|--|-----------|---|---|---|---|
|   | RG02224  | RG02724   | RG03224   | RG03824   | RG04524   | RG06024   |
| Make  | Generac  |           |   |   |   |   |
| Model                                       | 2.4 L Inline Four-Cylinder, Naturally Aspirated            |           | 2.4 L Inline 4-Cylinder, Turbocharged                       | 2.4 L Inline 4-Cylinder, Turbocharged & Aftercooled | 2.4 L Inline 4-Cylinder, Naturally Aspirated              | 2.4 L Inline 4-Cylinder, Turbocharged & Aftercooled         |
| Compression Ratio                           | 9.5:1  |           |   |   |   |   |
| Lifter Type                                 | Hydraulic  |           |   |   |   |   |
| Oil Pump Type                               | Gear   |           |   |   |   |   |
| Oil Filter Type                             | Full Flow Spin-on Cartridge                                |           |   |   |   |   |
| Crankcase Capacity (qt (L))                 | 4 (3.8)  |           |   |   |   |   |
| Temperature Derate                          | 1.7% per 10 °F above 77 °F<br>(1.5% per 5 °C above 25 °C)  |           |   |   |   |   |
| Altitude Derate                             | 3% per 1,000 ft above 600 ft<br>(1% per 100 m above 183 m) |           | 3% per 1,000 ft. above 3,000 ft. (1% per 100 m above 915 m) |   | 3% per 1,000 ft. above 600 ft. (1% per 100 m above 183 m) | 3% per 1,000 ft. above 3,000 ft. (1% per 100 m above 915 m) |
| Exercise Speed (rpm)                        | 1,500  |           |   |   | 1,800   |   |
| Operating Speed (rpm)                       | 1,800  |           |   |   | 3,600   |   |
| Exhaust Flow at Rated Output (cfm (m³/min)) | 165 (4.7)  | 180 (5.1) | 300 (8.5)   |   | 420 (11.9)  | 494 (14)  |

GOVERNOR

|                      |             |
|----------------------|-------------|
| Type                 | Electronic  |
| Frequency Regulation | Isochronous |

COOLING SYSTEM

|   |                             |
|---|-----------------------------|
| Coolant                                   | 50/50 (50% Ethylene Glycol) |
| Coolant System Capacity (US gal (L))      | 2.5 (9.5)                   |
| Water Pump Type                           | Belt Driven                 |
| Fan Type                                  | Belt Driven                 |
| Fan Quantity                              | 1                           |
| Maximum Ambient Air Temperature (°F (°C)) | 122 (50)                    |

# GENERATOR SPECIFICATIONS

## FUEL SYSTEM

|   |  |
|---|--|
| Usable Fuels                                  | Liquid Propane (LP) Vapor or Natural Gas (NG)  |
| Fuel Type Configuration                       | Fuel System & Controller Selection; RG06024 Fuel Type is Model-Specific and Not Changeable |
| LP Vapor Pressure (in H <sub>2</sub> O (kPa)) | 5-14 (1.24-3.48)   |
| NG Pressure (in H <sub>2</sub> O (kPa))       | 5-14 (1.24-3.48)   |
| Fuel Shutoff Solenoid                         | Standard   |

## FUEL CONSUMPTION

### LIQUID PROPANE

| Rated Load               | RG02224  |       | RG02724  |       | RG03224  |       | RG03824  |       | RG04524  |       | RG06024  |       |
|--------------------------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|
|                          | (US gph) | (L/h) | (US gph) | (L/h) | (US gph) | (L/h) | (US gph) | (L/h) | (US gph) | (L/h) | (US gph) | (L/h) |
| No Load @ Exercise Speed | 0.5      | 1.7   | 0.5      | 1.7   | 0.8      | 3.2   | 0.9      | 3.2   | 0.7      | 2.6   | 1.3      | 5.1   |
| 25%                      | 1.1      | 4.2   | 1.2      | 4.5   | 1.7      | 6.3   | 1.7      | 6.6   | 2.3      | 8.6   | 2.7      | 10.5  |
| 50%                      | 2.1      | 7.8   | 2.1      | 8.1   | 2.7      | 10.3  | 2.9      | 10.8  | 4.2      | 15.7  | 5.0      | 19.0  |
| 75%                      | 2.8      | 10.5  | 3.1      | 11.1  | 3.7      | 13.9  | 4.0      | 15.0  | 5.9      | 22.4  | 7.0      | 26.5  |
| 100%                     | 3.4      | 13.0  | 3.9      | 11.8  | 4.6      | 17.5  | 5.2      | 19.0  | 8.0      | 30.1  | 9.0      | 33.9  |

Propane - 91,452 BTU/US gal (25.5 MJ/L); 36 ft<sup>3</sup>/US gal (0.27 m<sup>3</sup>/L); 2,516 BTU/ft<sup>3</sup> (93.7 MJ/m<sup>3</sup>); 4.24 lb/US gal (0.508 kg/L)

### NATURAL GAS

| Rated Load               | RG02224 |                     | RG02724 |                     | RG03224 |                     | RG03824 |                     | RG04524 |                     | RG06024 |                     |
|--------------------------|---------|---------------------|---------|---------------------|---------|---------------------|---------|---------------------|---------|---------------------|---------|---------------------|
|                          | (CFH)   | (m <sup>3</sup> /h) | (CFH)   | (m <sup>3</sup> /h) | (CFH)   | (m <sup>3</sup> /h) | (CFH)   | (m <sup>3</sup> /h) | (CFH)   | (m <sup>3</sup> /h) | (CFH)   | (m <sup>3</sup> /h) |
| No Load @ Exercise Speed | 42      | 1.2                 | 42      | 1.2                 | 79      | 2.2                 | 83      | 2.3                 | 65      | 1.8                 | 123     | 3.5                 |
| 25%                      | 100     | 2.8                 | 108     | 3.1                 | 144     | 4.1                 | 162     | 4.6                 | 210     | 6.0                 | 267     | 7.6                 |
| 50%                      | 190     | 5.4                 | 197     | 5.6                 | 226     | 6.4                 | 255     | 7.2                 | 380     | 10.8                | 483     | 13.7                |
| 75%                      | 255     | 7.2                 | 287     | 8.2                 | 298     | 8.4                 | 345     | 9.8                 | 545     | 15.5                | 672     | 19.1                |
| 100%                     | 316     | 9.0                 | 359     | 10.2                | 375     | 10.6                | 437     | 12.4                | 730     | 20.7                | 862     | 24.5                |

Natural Gas - 1,036 BTU/ft<sup>3</sup> (37.3 MJ/m<sup>3</sup>)

See Emissions Data Sheets for maximum fuel flow for EPA and SCAQMD permitting purposes.

## ELECTRICAL SYSTEM

|                                    |  |
|------------------------------------|--|
| System Voltage (V)                 | 12   |
| Charge Alternator (A)              | 30   |
| Battery Charger (A)                | 2.5  |
| Recommended Battery (not included) | Flooded Lead Acid, Group 26, 525 CCA Minimum |

## ENCLOSURE

|  | RG02224 | RG02724 | RG03224 | RG03824 | RG04524 | RG06024 |
|--|---------|---------|---------|---------|---------|---------|
| Sound Level at Exercise Speed (dB(A) @ 23 ft (7 m))            | 61      | 61      | 58      | 58      | 61      | 65      |
| Sound Level at Operating Speed & No Load (dB(A) @ 23 ft (7 m)) | 70      | 70      | 64      | 64      | 73      | 73      |
| Color  | Bisque  |         |         |         |         |         |

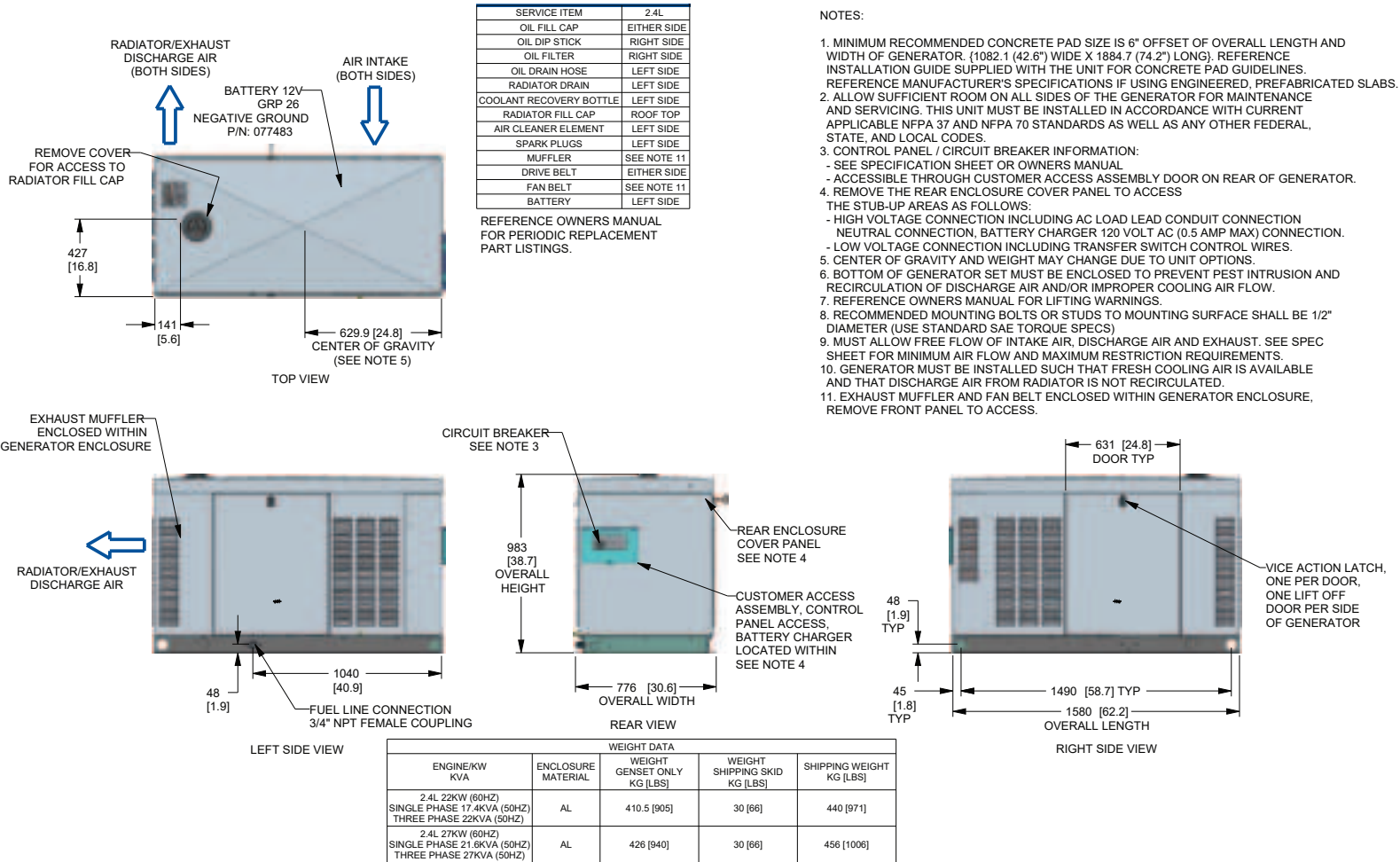
## GENERATOR SPECIFICATIONS

### EVOLUTION CONTROLLER FEATURES

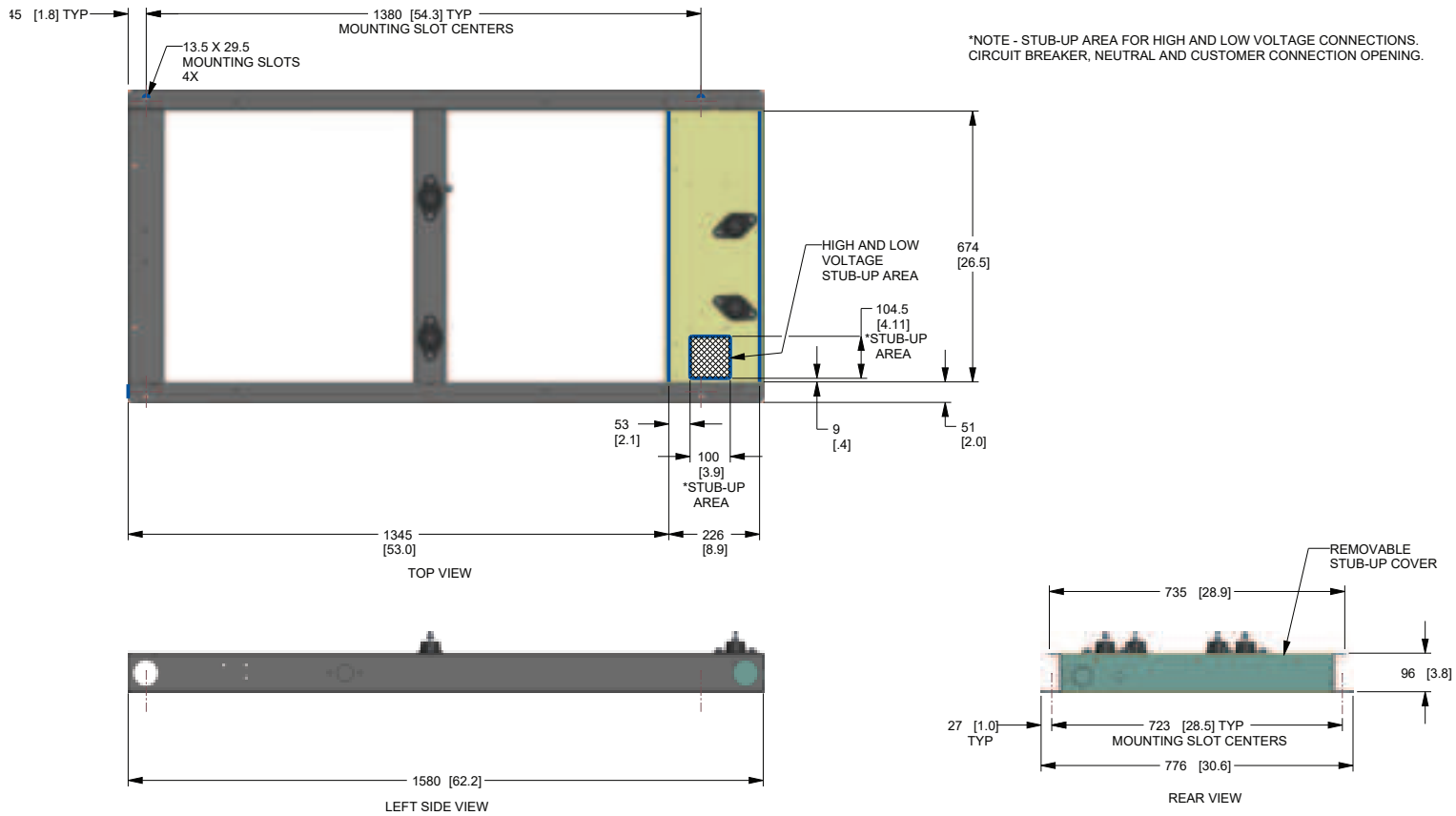
|   |  |
|---|--|
| Two-Line Plain Text LCD   | Simple user interface for ease of operation.   |
| Languages   | English, French, Spanish, and Portuguese   |
| Mode Switch: AUTO   | Automatic Start on Utility failure. 7 day exerciser.                                       |
| OFF   | Stops unit. Power is removed. Control and charger still operate.                           |
| MANUAL  | Start with starter control, unit stays on. If utility fails, transfer to load takes place. |
| Programmable start delay between 10 – 30 seconds                    | 10 sec standard  |
| Engine Start Sequence   | Cyclic cranking: 16 sec on, 7 rest (90 sec maximum duration)                               |
| Engine Warm-up  | 5 sec  |
| Engine Cool-down  | 1 min  |
| Starter Lock-out  | Starter cannot re-engage until 5 sec after engine has stopped.                             |
| Smart Battery Charger   | Standard   |
| Automatic Voltage Regulation with Over and Under Voltage Protection | Standard   |
| Automatic Low Oil Pressure Shutdown                                 | Standard   |
| Overspeed Shutdown  | Standard, 72 Hz  |
| High Temperature Shutdown   | Standard   |
| Overcrank Protection  | Standard   |
| Safety Fused  | Standard   |
| Failure to Transfer Protection                                      | Standard   |
| Low Battery Protection  | Standard   |
| 50 Event Run Log  | Standard   |
| Future Set Capable Exerciser  | Standard   |
| Incorrect Wiring Protection   | Standard   |
| Internal Fault Protection   | Standard   |
| Common External Fault Capability                                    | Standard   |
| Governor Failure Protection   | Standard   |

## AVAILABLE ACCESSORIES

| PRODUCT   | PART NUMBER | DESCRIPTION  |
|---|-------------|--|
| <b>Control System Kits</b>                                  |             |  |
| Generac Generator Connectivity Accessory, Cellular (GGCAC)  | G0072150    | The GGCAC provides a reliable cellular connection for the generator. Monitoring of the generator is possible for the owner using Mobile Link and for the servicer using Fleet. The GGCAC can be installed on any generator that already has the Wi-Fi device to upgrade to cellular connectivity. NEW RG02224, RG02724, RG03224, RG03824, RG04524, and RG06024 generators include the GGCAC as standard. |
| Enclosure Mounted Emergency Stop Kit                        | G0065100    | Emergency Stop consists of a red push button switch. It mounts to the exterior of the generator enclosure replacing the Generator Emergency Shutdown rocker switch in the same location.   |
| Generac Load Manager, 50 A                                  | G0070001    | 50 A Load Manager helps optimize the performance of the standby generator by managing large electrical loads upon startup and sheds them to aid in recovery when overloaded.   |
| Generac Load Manager, 100 A                                 | G0070061    | 100 A Load Manager helps optimize the performance of the standby generator by managing large electrical loads upon startup and sheds them to aid in recovery when overloaded.  |
| Generac LTE Propane Tank Fuel Level Monitor                 | G0070090    | The Propane Tank Fuel Level Monitor connects to 4G LTE cellular service to measure and report amount of LP fuel remaining in the tank. The app alerts the user of both remaining LP fuel and usage reports, offering the ultimate peace of mind.   |
| <b>Operating Environment Kits</b>                           |             |  |
| Battery Heater Kit  | G0056301    | Recommended for operating environments where the temperature drops below 32 °F (0 °C). The heater is externally powered by 120 VAC, 60 Hz. Applies to RG02224, RG02724, RG03224, RG03824, RG04524, and RG06024.  |
| Engine Block Heater Kit                                     | G0056160    | Recommended for operating environments where the temperature drops below 0 °F (-18 °C). The heater is externally powered by 120 VAC, 60 Hz. Applies to RG02224, RG02724, RG03224, RG03824, RG04524, and RG06024.   |
| <b>Installation Kits</b>                                    |             |  |
| Base Plug Kit   | G0056510    | Base plugs to fit in the lifting holes of the baseframe to keep debris out.  |
| <b>Maintenance Kits</b>                                     |             |  |
| 2.4 L NA Gaseous Engine Regular Maintenance Kit             | G0056560    | Regular maintenance kit includes oil filter, oil funnel, air filter, and spark plugs. Applies to RG02224 and RG02724 generator models.   |
| 2.4 L Turbo/TAC Gaseous Engine Regular Maintenance Kit      | G0059840    | Regular maintenance kit includes oil filter, oil funnel, air filter, and spark plugs. Applies to RG03224 and RG03824 generator models.   |
| 2.4 L NA High Speed Gaseous Engine Regular Maintenance Kit  | G0061720    | Regular maintenance kit includes oil filter, oil funnel, air filter, and spark plugs. Applies to RG04524 generator models.   |
| 2.4 L TAC High Speed Gaseous Engine Regular Maintenance Kit | G0061710    | Regular maintenance kit includes oil filter, oil funnel, air filter, and spark plugs. Applies to RG06024 generator models.   |
| Bisque Paint Kit  | G0057030    | If the generator enclosure is scratched or damaged, it is important to touch-up the paint to protect from future corrosion. The paint kit includes the necessary paint to correctly maintain or touch-up a generator enclosure.  |



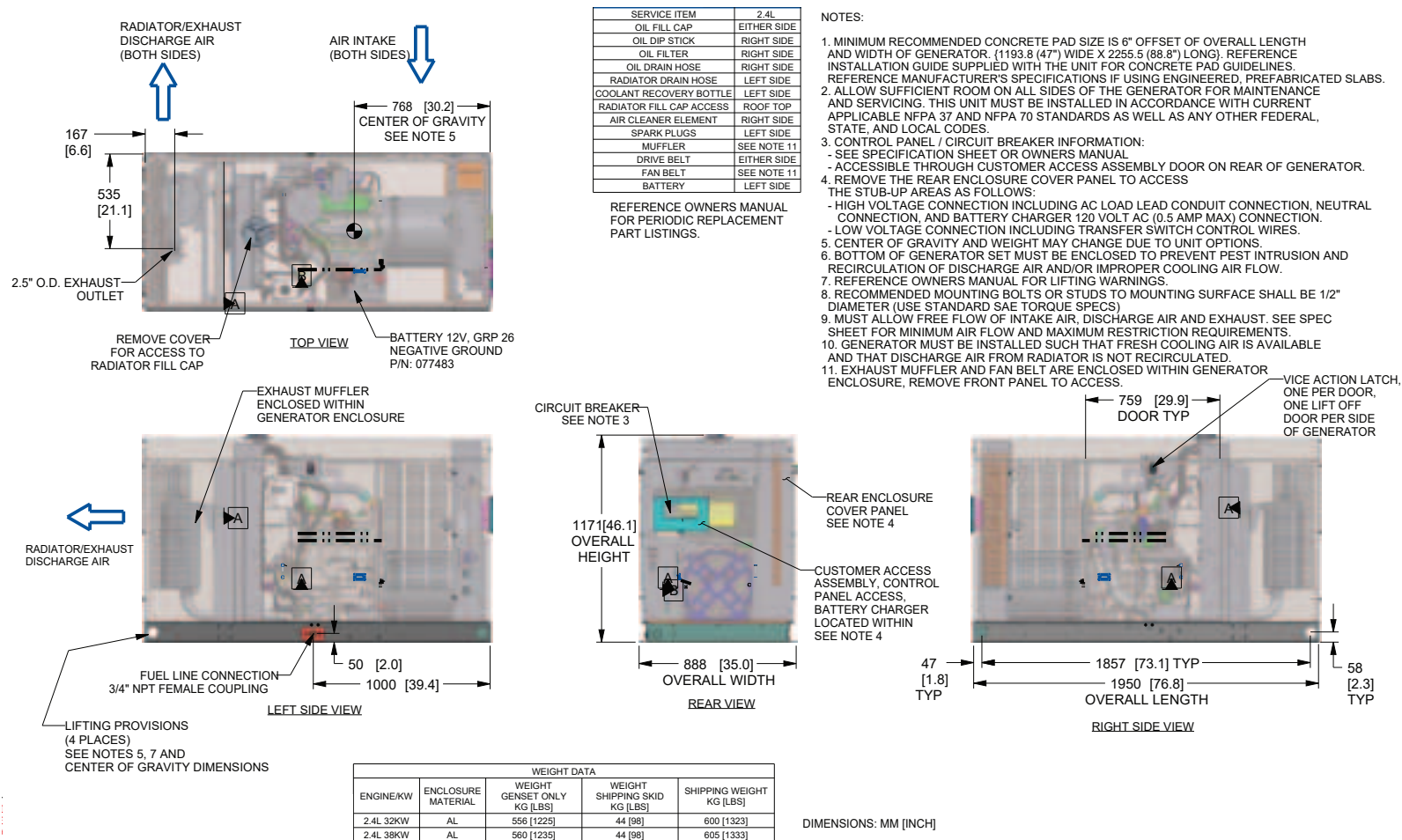


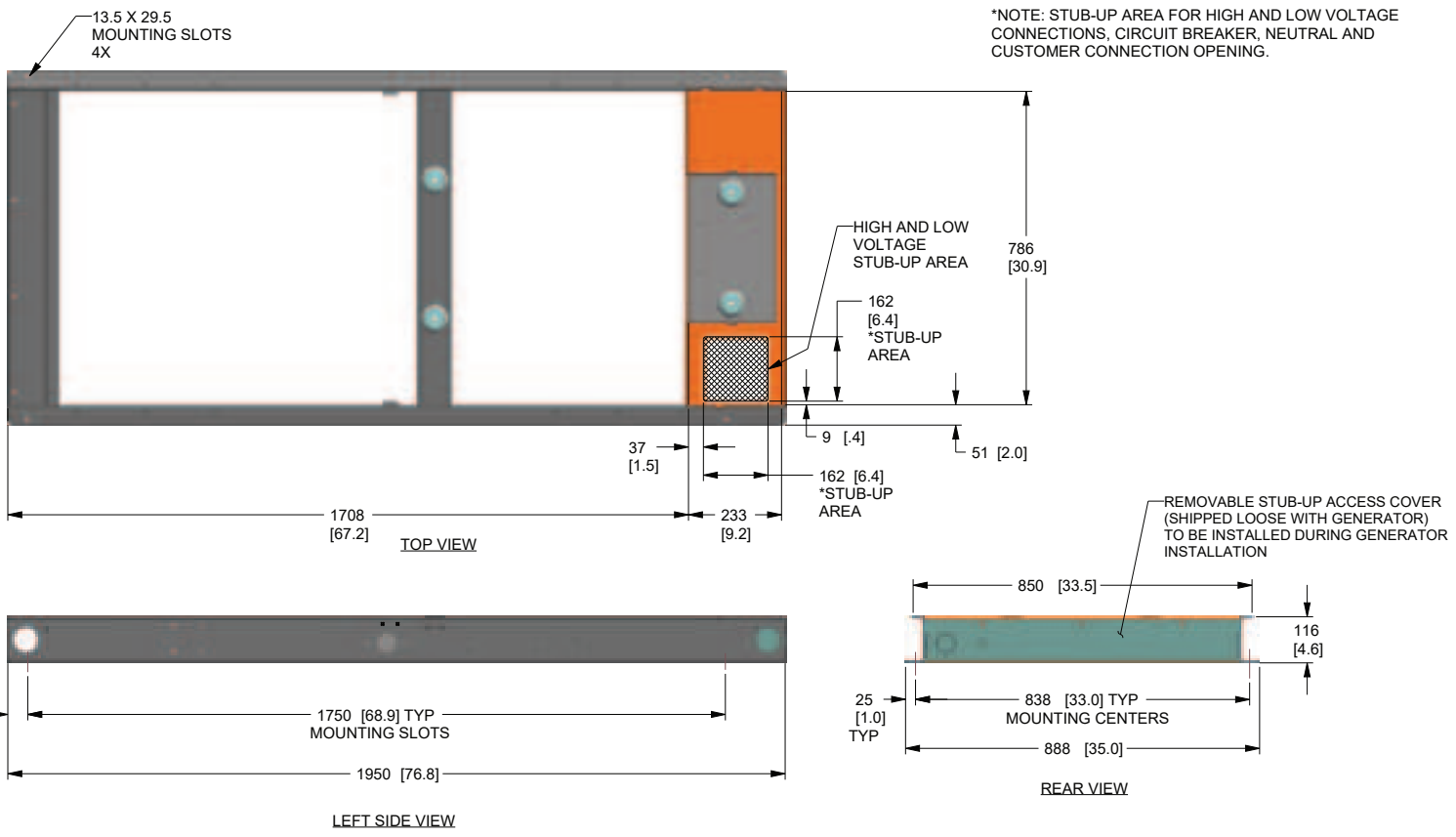


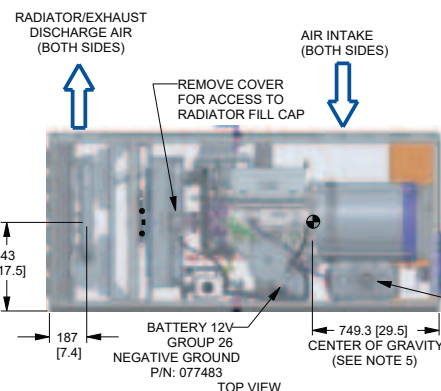
DIMENSIONS: MM [INCH]

32 & 38 KW

Drawing #0K9268-G (1 of 2)







| SERVICE ITEM                             | 2.4L        |
|--|-------------|
| OIL FILL CAP                             | EITHER SIDE |
| OIL DIP STICK                            | RIGHT SIDE  |
| OIL FILTER                               | RIGHT SIDE  |
| OIL DRAIN HOSE                           | RIGHT SIDE  |
| RADIATOR DRAIN HOSE                      | LEFT SIDE   |
| COOLANT RECOVERY BOTTLE                  | LEFT SIDE   |
| RADIATOR FILL CAP                        | ROOF TOP    |
| AIR CLEANER ELEMENT                      | LEFT SIDE   |
| SPARK PLUGS                              | LEFT SIDE   |
| MUFFLER                                  | SEE NOTE 11 |
| DRIVE BELT                               | EITHER SIDE |
| FAN BELT                                 | SEE NOTE 11 |
| BATTERY                                  | LEFT SIDE   |
| LUBE OIL MAINTAINER SUPPLY TANK FILL CAP | ROOF TOP    |

REFERENCE OWNERS MANUAL FOR PERIODIC REPLACEMENT PART LISTINGS.

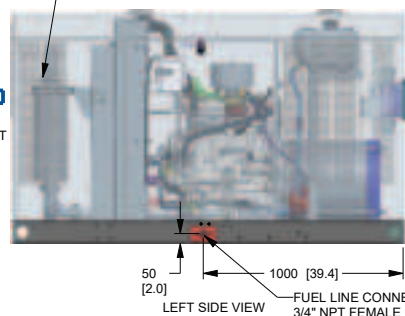
REMOVE COVER FOR ACCESS TO LUBE OIL MAINTAINER SUPPLY TANK  
REFERENCE OWNERS MANUAL

#### NOTES:

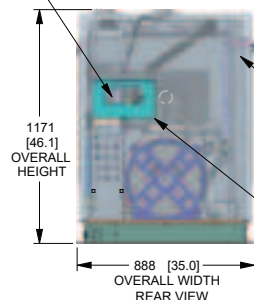
- MINIMUM RECOMMENDED CONCRETE PAD SIZE IS 6" OFFSET OF OVERALL LENGTH AND WIDTH OF GENERATOR. (1193.8 (47") WIDE X 2255.5 (88.8") LONG). REFERENCE INSTALLATION GUIDE SUPPLIED WITH THE UNIT FOR CONCRETE PAD GUIDELINES. REFERENCE MANUFACTURER'S SPECIFICATIONS IF USING ENGINEERED, PREFABRICATED SLABS.
- ALLOW SUFFICIENT ROOM ON ALL SIDES OF THE GENERATOR FOR MAINTENANCE AND SERVICING. THIS UNIT MUST BE INSTALLED IN ACCORDANCE WITH CURRENT APPLICABLE NFPA 37 AND NFPA 70 STANDARDS AS WELL AS ANY OTHER FEDERAL, STATE, AND LOCAL CODES.
- CONTROL PANEL / CIRCUIT BREAKER INFORMATION:
  - SEE SPECIFICATION SHEET OR OWNERS MANUAL
  - ACCESSIBLE THROUGH CUSTOMER ACCESS ASSEMBLY DOOR ON REAR OF GENERATOR.
- REMOVE THE REAR ENCLOSURE COVER PANEL TO ACCESS THE STUB-UP AREAS AS FOLLOWS:
  - HIGH VOLTAGE CONNECTION INCLUDING AC LOAD LEAD CONDUIT CONNECTION
  - NEUTRAL CONNECTION, BATTERY CHARGER 120 VOLT AC (0.5 AMP MAX) CONNECTION.
  - LOW VOLTAGE CONNECTION INCLUDING TRANSFER SWITCH CONTROL WIRES.
- CENTER OF GRAVITY AND WEIGHT MAY CHANGE DUE TO UNIT OPTIONS.
- BOTTOM OF GENERATOR SET MUST BE ENCLOSED TO PREVENT PEST INTRUSION AND RECIRCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
- REFERENCE OWNERS MANUAL FOR LIFTING WARNINGS.
- RECOMMENDED MOUNTING BOLTS OR STUDS TO MOUNTING SURFACE SHALL BE 1/2" DIAMETER (USE STANDARD SAE TORQUE SPECS)
- MUST ALLOW FREE FLOW OF INTAKE AIR, DISCHARGE AIR AND EXHAUST. SEE SPEC SHEET FOR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS.
- GENERATOR MUST BE INSTALLED SUCH THAT FRESH COOLING AIR IS AVAILABLE AND THAT DISCHARGE AIR FROM RADIATOR IS NOT RECIRCULATED.
- EXHAUST MUFFLER AND FAN BELT ENCLOSED WITHIN GENERATOR ENCLOSURE, REMOVE FRONT PANEL TO ACCESS.

EXHAUST MUFFLER ENCLOSED WITHIN GENERATOR ENCLOSURE

RADIATOR/EXHAUST DISCHARGE AIR



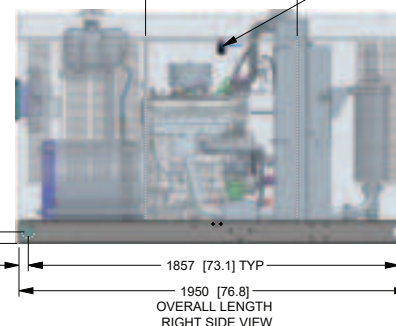
CIRCUIT BREAKER  
SEE NOTE 3



58 [2.3] TYP

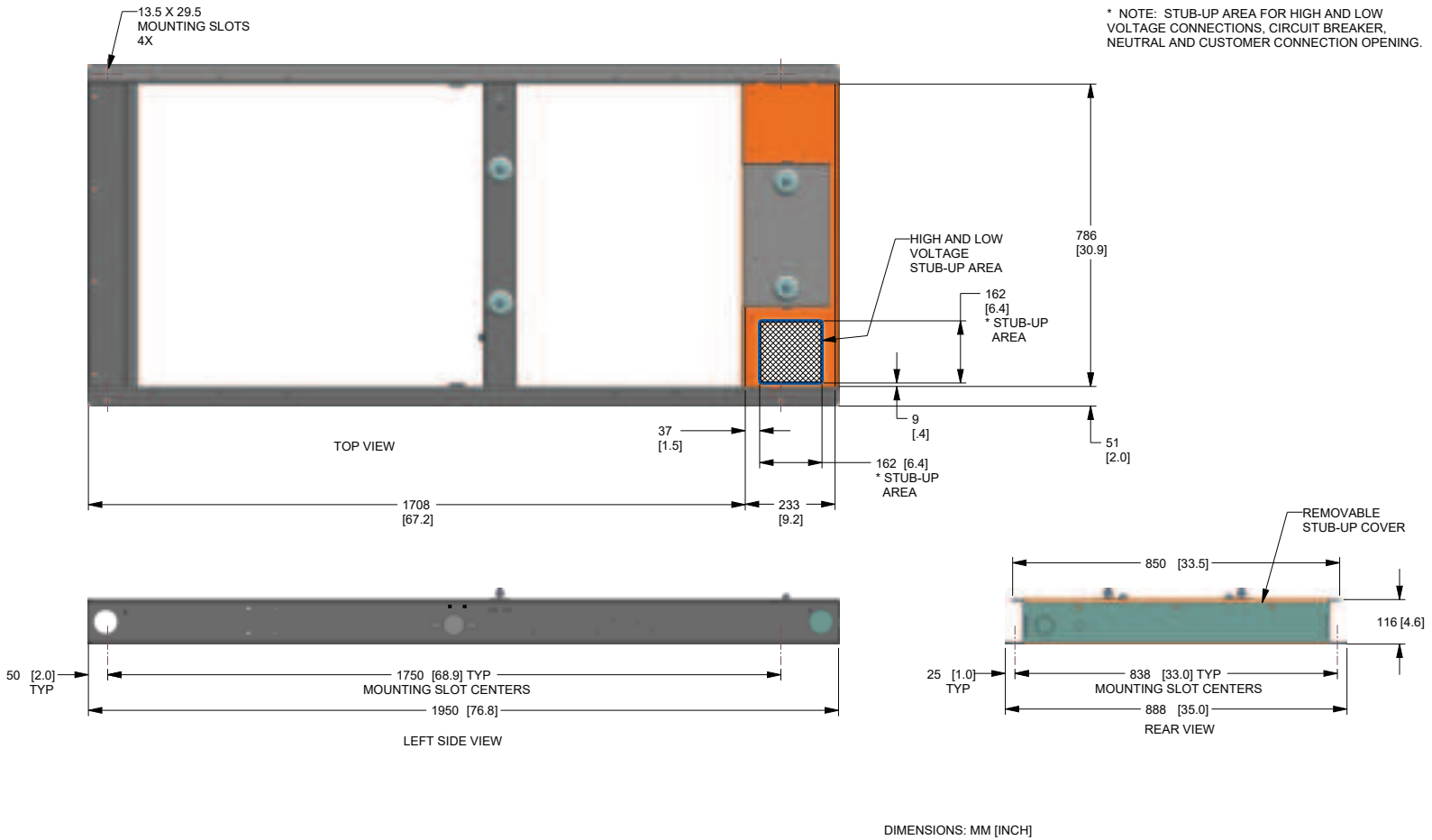
47 [1.8]

759 [29.9] DOOR TYP  
VICE ACTION LATCH, ONE PER DOOR, ONE LIFT OFF DOOR PER SIDE OF GENERATOR

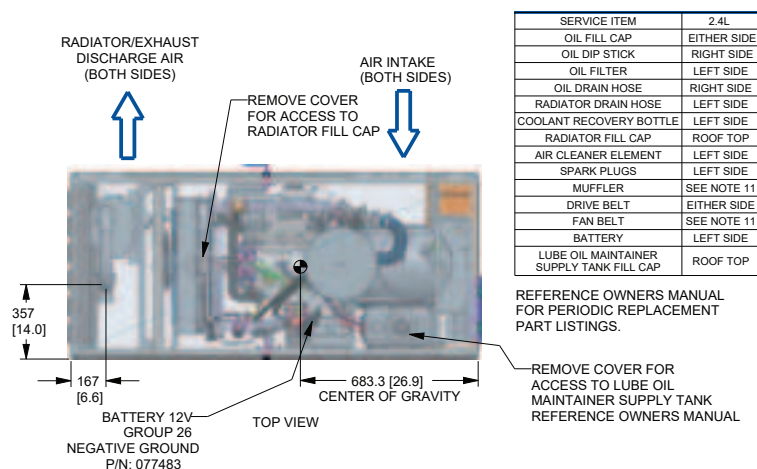


| WEIGHT DATA |                    |                             |                               |                          |
|-------------|--------------------|-----------------------------|-------------------------------|--------------------------|
| ENGINE/KW   | ENCLOSURE MATERIAL | WEIGHT GENSET ONLY KG [LBS] | WEIGHT SHIPPING SKID KG [LBS] | SHIPPING WEIGHT KG [LBS] |
| 2.4L 36KW   | ST                 | 569 [1255]                  | 44 [98]                       | 613 [1353]               |
| 2.4L 36KW   | AL                 | 545 [1202]                  | 44 [98]                       | 590 [1300]               |
| 2.4L 45KW   | ST                 | 596 [1313]                  | 44 [98]                       | 640 [1411]               |
| 2.4L 45KW   | AL                 | 572 [1260]                  | 44 [98]                       | 616 [1358]               |

DIMENSIONS: MM [INCH]



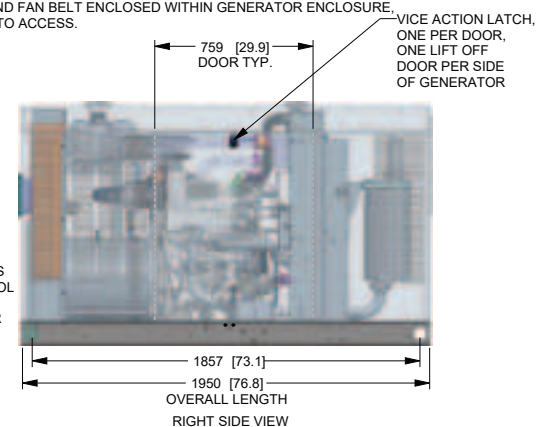
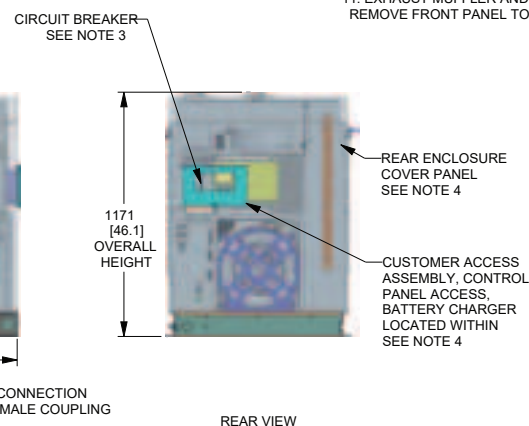
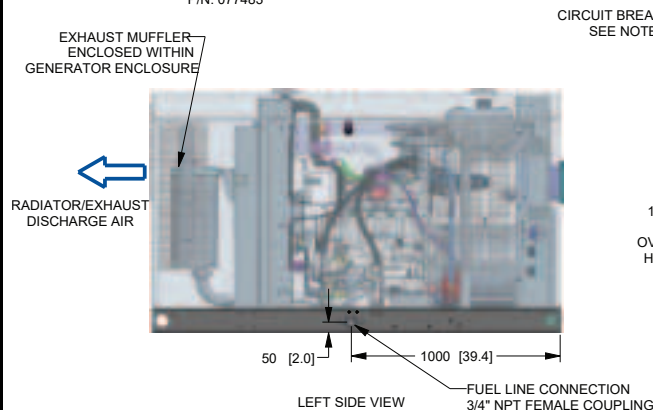
60 KW  
Drawing #0L2090-E (1 of 2)



| SERVICE ITEM                             | 2.4L        |
|--|-------------|
| OIL FILL CAP                             | EITHER SIDE |
| OIL DIP STICK                            | RIGHT SIDE  |
| OIL FILTER                               | LEFT SIDE   |
| OIL DRAIN HOSE                           | RIGHT SIDE  |
| RADIATOR DRAIN HOSE                      | LEFT SIDE   |
| COOLANT RECOVERY BOTTLE                  | LEFT SIDE   |
| RADIATOR FILL CAP                        | ROOF TOP    |
| AIR CLEANER ELEMENT                      | LEFT SIDE   |
| SPARK PLUGS                              | LEFT SIDE   |
| MUFFLER                                  | SEE NOTE 11 |
| DRIVE BELT                               | EITHER SIDE |
| FAN BELT                                 | SEE NOTE 11 |
| BATTERY                                  | LEFT SIDE   |
| LUBE OIL MAINTAINER SUPPLY TANK FILL CAP | ROOF TOP    |

#### NOTES:

1. MINIMUM RECOMMENDED CONCRETE PAD SIZE IS 6" OFFSET OF OVERALL LENGTH AND WIDTH OF GENERATOR. (1193.8 (47") WIDE X 2255.5 (88.8") LONG). REFERENCE INSTALLATION GUIDE SUPPLIED WITH THE UNIT FOR CONCRETE PAD GUIDELINES. REFERENCE MANUFACTURER'S SPECIFICATIONS IF USING ENGINEERED, PREFABRICATED SLABS.
2. ALLOW SUFFICIENT ROOM ON ALL SIDES OF THE GENERATOR FOR MAINTENANCE AND SERVICING. THIS UNIT MUST BE INSTALLED IN ACCORDANCE WITH CURRENT APPLICABLE NFPA 37 AND NFPA 70 STANDARDS AS WELL AS ANY OTHER FEDERAL, STATE, AND LOCAL CODES.
3. CONTROL PANEL / CIRCUIT BREAKER INFORMATION:  
- SEE SPECIFICATION SHEET OR OWNERS MANUAL  
- ACCESSIBLE THROUGH CUSTOMER ACCESS ASSEMBLY DOOR ON REAR OF GENERATOR.
4. REMOVE THE REAR ENCLOSURE COVER PANEL TO ACCESS THE STUB-UP AREAS AS FOLLOWS:  
- HIGH VOLTAGE CONNECTION INCLUDING AC LOAD LEAD CONDUIT CONNECTION  
- NEUTRAL CONNECTION, BATTERY CHARGER 120 VOLT AC (0.5 AMP MAX) CONNECTION.  
- LOW VOLTAGE CONNECTION INCLUDING TRANSFER SWITCH CONTROL WIRES.
5. CENTER OF GRAVITY AND WEIGHT MAY CHANGE DUE TO UNIT OPTIONS.
6. BOTTOM OF GENERATOR SET MUST BE ENCLOSED TO PREVENT PEST INTRUSION AND RECIRCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
7. REFERENCE OWNERS MANUAL FOR LIFTING WARNINGS.
8. RECOMMENDED MOUNTING BOLTS OR STUDS TO MOUNTING SURFACE SHALL BE 1/2" DIAMETER (USE STANDARD SAE TORQUE SPECS)
9. MUST ALLOW FREE FLOW OF INTAKE AIR, DISCHARGE AIR AND EXHAUST. SEE SPEC SHEET FOR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS.
10. GENERATOR MUST BE INSTALLED SUCH THAT FRESH COOLING AIR IS AVAILABLE AND THAT DISCHARGE AIR FROM RADIATOR IS NOT RECIRCULATED.
11. EXHAUST MUFFLER AND FAN BELT ENCLOSED WITHIN GENERATOR ENCLOSURE. REMOVE FRONT PANEL TO ACCESS.



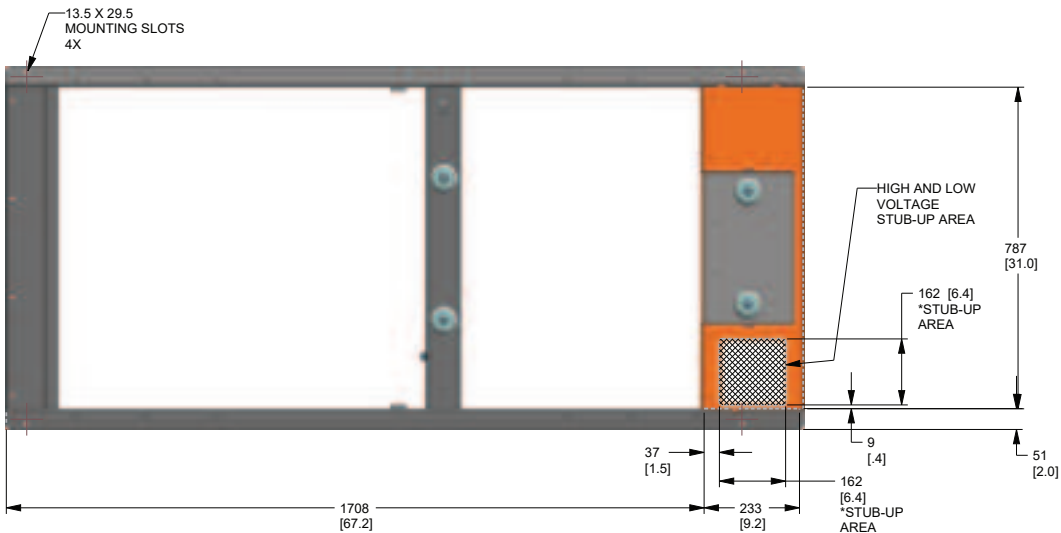
| WEIGHT DATA |                    |                             |                               |                          |
|-------------|--------------------|-----------------------------|-------------------------------|--------------------------|
| ENGINE/KW   | ENCLOSURE MATERIAL | WEIGHT GENSET ONLY KG [LBS] | WEIGHT SHIPPING SKID KG [LBS] | SHIPPING WEIGHT KG [LBS] |
| 2.4L 60KW   | ST                 | 582 [1283]                  | 44 [98]                       | 626 [1381]               |
| 2.4L 60KW   | AL                 | 558 [1230]                  | 44 [98]                       | 602 [1328]               |

DIMENSIONS: MM [INCH]

60 KW

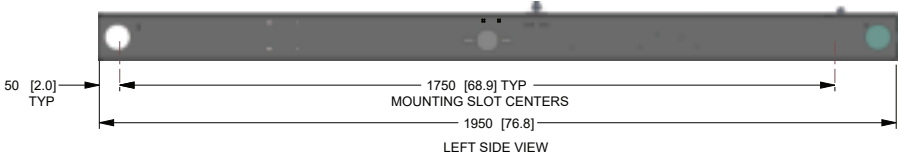
Drawing #0L2090-E (2 of 2)

# INSTALLATION DRAWING

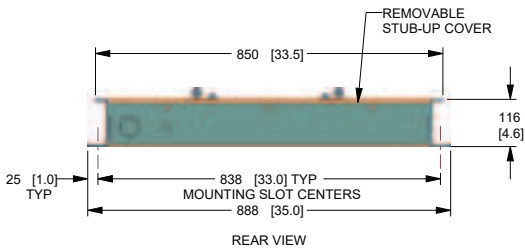


\*NOTE: STUB-UP AREA FOR HIGH AND LOW VOLTAGE CONNECTIONS, CIRCUIT BREAKER, NEUTRAL AND CUSTOMER CONNECTION OPENING.

TOP VIEW



LEFT SIDE VIEW



REAR VIEW

DIMENSIONS: MM [INCH]