Effective December 2016 Supersedes February 2016 EGENA9 EGENA11

# Air-cooled standby generator systems 9 kW and 11 kW



# **System overview**

- Complete backup power system featuring a full line of Eaton automatic transfer switches and generators
- Exclusive national Eaton Certified Contractor Network (ECCN) contractors for installation, maintenance, and service
- Local sales expertise and round-the-clock
   telephone pre-/post-sales technical support





Effective December 2016

## Table 1. Generator features

# Air-cooled standby generator systems 9 kW and 11 kW

# Air-cooled standby generator systems 9 kW and 11 kW

EGSU series featuring

universal active load management

## Table 2. Compatible automatic transfer switches ① Features

|                             | Features   | Benefits  |
|-----------------------------|--|---|
| Engine                      | <ul> <li>Overhead valve industrial engine<br/>design (OHVI)</li> </ul> | <ul> <li>Maximizes engine "breathing" for increased fuel efficiency. Plateau-honed cylinder walls and plasma moly rings help engine run cooler, reducing oil consumption. Because heat is the primary cause of engine wear, the OHVI has a significantly longer life than competitive engines</li> </ul>                                    |
|                             | <ul> <li>"Spiny-lok" cast iron cylinder walls</li> </ul>               | Rigid construction and added durability provide long engine life  |
|                             | Electronic ignition/spark advance                                      | <ul> <li>Assured smooth, quick start every time</li> </ul>  |
|                             | Full pressure lubrication system                                       | <ul> <li>Pressurized lubrication to all vital bearings means better performance, less maintenance, and<br/>significantly longer engine life. Now featuring a 2-year/200-hour oil change interval</li> </ul>   |
|                             | Low oil pressure shutdown system                                       | Superior shutdown protection prevents catastrophic engine damage from low oil   |
|                             | High temperature shutdown  | Prevents damage due to overheating  |
| Generator                   | Revolving field  | <ul> <li>Allows for smaller, lightweight unit that operates 25% more efficiently than a revolving<br/>armature generator</li> </ul>   |
|                             | Skewed stator (only)   | <ul> <li>Produces a smooth output waveform for electronic equipment compatibility</li> </ul>  |
|                             | Displaced phase excitation   | Maximizes motor starting capability   |
|                             | Automatic voltage regulation   | <ul> <li>Regulates the output voltage to ±2%, which prevents damaging voltage spikes</li> </ul>   |
|                             | UL® 2200 Listed  | Compliant with all safety regulations   |
| New controller and controls | Auto/Manual/Off illuminated buttons                                    | Selects the operating mode for easy, at-a-glance status indication in any condition   |
|                             | Utility voltage sensing  | Weather-resistant interface allows smooth programming and operations for the user   |
|                             | Utility interrupt delay  | Constantly monitors utility voltage, set points 60% dropout, and 80% pickup of standard voltage   |
|                             | Engine warm up   | Ensures engine is ready to assume the load, set point approximately 5 seconds   |
|                             | Engine cool down   | Allows engine to cool prior to shutdown, set point approximately 1 minute   |
|                             | Main line circuit breaker  | Protects generator from overload  |
|                             | Electronic governor  | Maintains constant 60 Hz frequency  |
|                             | Smart battery charger  | <ul> <li>Delivers charge to the battery only when needed at varying rates depending on outdoor air<br/>temperature. Compatible with lead acid and AGM-style batteries</li> </ul>  |
|                             | Two-Line LCD multilingual display                                      | Provides homeowners easily visible logs of history, maintenance, and events up to 50 occurrences  |
|                             | Sealed, raised buttons   | <ul> <li>Smooth, weather-resistant user interface for programming and operations</li> </ul>   |
|                             | Generator voltage sensing  | Constantly monitors generator voltage to ensure the cleanest power delivered to the home  |
|                             | Programmable exercise  | <ul> <li>Operates engine to prevent oil seal drying and damage between power outages by running the<br/>generator for 12 minutes every other week. Also offers a selectable setting for weekly or monthly<br/>operation providing flexibility and potentially lower fuel costs to the owner</li> </ul>                                      |
| Unit                        | SAE weather-protective enclosure                                       | <ul> <li>Sound attenuated enclosures ensure quiet operation and protection against Mother Nature,<br/>withstanding winds up to 150 mph. Hinged key locking roof panel for security. Lift-out front<br/>for easy access to all routine maintenance items. Electrostatically applied textured epoxy<br/>paint for added durability</li> </ul> |
|                             | Enclosed critical grade muffler  | <ul> <li>Quiet, critical grade muffler is mounted inside the unit to prevent injuries. Complies with<br/>local dB noise levels</li> </ul>   |
|                             | Small, compact, attractive   | Makes for an easy, eye-appealing installation   |
| nstallation system          | 1-foot flexible fuel line connector                                    | Easy installation   |
|                             | Direct-to-dirt composite mounting pad                                  | Complex lattice design prevents settling or sinking of the generator system   |
|                             | Integral sediment trap   | Prevents particles and moisture from entering the fuel regulator and engine, prolonging engine life   |
| Warranty ①                  | 5-year limited warranty:   |   |
|                             | Years 1 and 2—limited comprehensive                                    | coverage on mileage, labor, and parts (warranty certification required)   |
|                             | Year 3—limited comprehensive covera                                    | ge on parts only  |
|                             | Years 4 and 5—limited comprehensive                                    | coverage on engine (short block) and alternator (rotor and stator) parts only   |

① For warranty details, refer to the "Eaton Air-Cooled Automatic Standby Generators" warranty statement.

|  | <ul> <li>Oniversal comparising with any generator brand</li> <li>No programming necessary</li> <li>Whole house surge included (catalog number: CH</li> <li>50 or 60 Hz</li> <li>Current sensors (CTs) included</li> <li>Built-in 7-, 14-, and 28-day plant exerciser</li> <li>Load and no-load transfer</li> <li>Meets NEC® Article 702.5 for optional standby ba</li> <li>UL 1008 Listed</li> </ul> |
|--|--|
| EGSX series featuring<br>load shedding | <ul> <li>Two sets of contacts for load shedding</li> <li>Simplified, non-redundant relay-interface system</li> </ul>   |
|  | <ul> <li>Terminal block termination; connections labeled t<br/>connections</li> </ul>  |
|  | Three-point keyhole mounting system for quick, le  |
|  | Optimal wire bending space   |
|  | Commercial grade main breaker included   |
|  | UL 1008 compliant  |
|  | Meets NEC Article 702.5 for optional standby back  |
| Warranty @                             | 1-year limited warranty from the date of installat   |
|  | • Extended and special warranties available:   |
|  | • 24 months—2% of contract price   |
|  | • 30 months—3% of contract price   |
|  | • 36 months—4% of contract price   |
|  | visit our online green ATS interactive demo at http://greenats.ea<br>to Eaton Selling Policy 25-000.   |
|  |  |

#### Table 3. Automatic transfer switch specifications

| Amperes   | Voltages | Number<br>of poles | Service<br>entrance | Number<br>of circuits<br>included ① | Frequency | Enclosure<br>type | Contactor<br>wire size<br>ranges(s) | Number<br>of cables<br>per phase | Withstand<br>current<br>(rms) at<br>240 Vac | Most common<br>generator<br>sizes ② | Catalog<br>number |
|-----------|----------|--------------------|---------------------|-------------------------------------|-----------|-------------------|-------------------------------------|----------------------------------|---|-------------------------------------|-------------------|
| EGSU seri | es       |                    |                     |                                     |           |                   |                                     |                                  |   |                                     |                   |
| 50        | 120/240  | 2                  | _                   | 24                                  | 50/60     | NEMA 3R           | #14—#2/0                            | 1                                | 10,000                                      | 9, 11, 16 kW                        | EGSU100L24RACA    |
| 50        | 120/240  | 2                  | _                   | _                                   | 50/60     | NEMA 3R           | #14-#2/0                            | 1                                | 10,000                                      | 9, 11, 16 kW                        | EGSU100ACA        |
| 100       | 120/240  | 2                  | Y                   | _                                   | 50/60     | NEMA 3R           | #14—#2/0                            | 1                                | 10,000                                      | 9, 11, 16 kW                        | ESGU100NSEACA     |
| 100       | 120/240  | 2                  | Y                   | _                                   | 50/60     | NEMA 3R           | #4-300 kcmil                        | 1                                | 25,000                                      | 9, 11, 16 kW                        | EGSU150NSEACA     |
| 200       | 120/240  | 2                  | _                   | _                                   | 50/60     | NEMA 3R           | #4-300 kcmil                        | 1                                | 25,000                                      | 16, 20, 22 kW                       | EGSU200ACA        |
| 200       | 120/240  | 2                  | Y                   | _                                   | 50/60     | NEMA 3R           | #4–300 kcmil                        | 1                                | 25,000                                      | 16, 20, 22 kW                       | EGSU200NSEACA     |
| 200       | 120/240  | 2                  | Y                   | _                                   | 50/60     | NEMA 3R           | 750 kcmil–2 /<br>300 kcmil–1/0      |                                  | 35,000                                      | >22 kW                              | EGSU400NSEACA     |
| EGSX seri | es       |                    |                     |                                     |           |                   |                                     |                                  |   |                                     |                   |
| 50        | 120/240  | 2                  | Y                   | 12                                  | 50/60     | NEMA 1            | #14—#6                              | 1                                | 5000  | 9, 11 kW                            | EGSX50L12         |
| 50        | 120/240  | 2                  | _                   | 12                                  | 50/60     | NEMA 3R           | #14—#6                              | 1                                | 5000  | 9, 11 kW                            | EGSX50L12R        |
| 100       | 120/240  | 2                  | _                   | _                                   | 50/60     | NEMA 3R           | #14-#2/0                            | 1                                | 10,000                                      | 9, 11, 16 kW                        | EGSX100A          |
| 100       | 120/240  | 2                  | Y                   | _                                   | 50/60     | NEMA 3R           | #14-#2/0                            | 1                                | 10,000                                      | 9, 11, 16 kW                        | EGSX100NSEA       |
| 100       | 120/240  | 2                  | _                   | 24                                  | 50/60     | NEMA 3R           | #14#2/0                             | 1                                | 25,000                                      | 9, 11, 16 kW                        | EGSX100L24RA      |
| 150       | 120/240  | 2                  | Y                   | _                                   | 50/60     | NEMA 3R           | #4–300 kcmil                        | 1                                | 25,000                                      | 16, 20, 22 kW                       | EGSX150NSEA       |
| 200       | 120/240  | 2                  | _                   | _                                   | 50/60     | NEMA 3R           | #4–300 kcmil                        | 1                                | 25,000                                      | 16, 20, 22 kW                       | EGSX200A          |
| 200       | 120/240  | 2                  | Y                   | _                                   | 50/60     | NEMA 3R           | #4–300 kcmil                        | 1                                | 25,000                                      | 16, 20, 22 kW                       | EGSX200NSEA       |
| 400       | 120/240  | 2                  | Y                   | _                                   | 50/60     | NEMA 3R           | 750 kcmil–2 /<br>300 kcmil–1/0      |                                  | 35,000                                      | >22 kW                              | EGSX400NSEA       |

| Amperes   | Voltages | Number<br>of poles | Service<br>entrance | Number<br>of circuits<br>included ① | Frequency | Enclosure<br>type | Contactor<br>wire size<br>ranges(s) | Number<br>of cables<br>per phase | Withstand<br>current<br>(rms) at<br>240 Vac | Most common<br>generator<br>sizes ② | Catalog<br>number |
|-----------|----------|--------------------|---------------------|-------------------------------------|-----------|-------------------|-------------------------------------|----------------------------------|---|-------------------------------------|-------------------|
| EGSU seri | ies      |                    |                     |                                     |           |                   |                                     |                                  |   |                                     |                   |
| 50        | 120/240  | 2                  | _                   | 24                                  | 50/60     | NEMA 3R           | #14—#2/0                            | 1                                | 10,000                                      | 9, 11, 16 kW                        | EGSU100L24RACA    |
| 50        | 120/240  | 2                  | _                   | _                                   | 50/60     | NEMA 3R           | #14—#2/0                            | 1                                | 10,000                                      | 9, 11, 16 kW                        | EGSU100ACA        |
| 100       | 120/240  | 2                  | Y                   | _                                   | 50/60     | NEMA 3R           | #14-#2/0                            | 1                                | 10,000                                      | 9, 11, 16 kW                        | ESGU100NSEACA     |
| 100       | 120/240  | 2                  | Y                   | —                                   | 50/60     | NEMA 3R           | #4-300 kcmil                        | 1                                | 25,000                                      | 9, 11, 16 kW                        | EGSU150NSEACA     |
| 200       | 120/240  | 2                  | _                   | _                                   | 50/60     | NEMA 3R           | #4–300 kcmil                        | 1                                | 25,000                                      | 16, 20, 22 kW                       | EGSU200ACA        |
| 200       | 120/240  | 2                  | Y                   |                                     | 50/60     | NEMA 3R           | #4–300 kcmil                        | 1                                | 25,000                                      | 16, 20, 22 kW                       | EGSU200NSEACA     |
| 200       | 120/240  | 2                  | Y                   | —                                   | 50/60     | NEMA 3R           | 750 kcmil–2 /<br>300 kcmil–1/0      | ,                                | 35,000                                      | >22 kW                              | EGSU400NSEACA     |
| EGSX seri | es       |                    |                     |                                     |           |                   |                                     |                                  |   |                                     |                   |
| 50        | 120/240  | 2                  | Y                   | 12                                  | 50/60     | NEMA 1            | #14—#6                              | 1                                | 5000  | 9, 11 kW                            | EGSX50L12         |
| 50        | 120/240  | 2                  | _                   | 12                                  | 50/60     | NEMA 3R           | #14—#6                              | 1                                | 5000  | 9, 11 kW                            | EGSX50L12R        |
| 100       | 120/240  | 2                  | _                   |                                     | 50/60     | NEMA 3R           | #14-#2/0                            | 1                                | 10,000                                      | 9, 11, 16 kW                        | EGSX100A          |
| 100       | 120/240  | 2                  | Y                   |                                     | 50/60     | NEMA 3R           | #14-#2/0                            | 1                                | 10,000                                      | 9, 11, 16 kW                        | EGSX100NSEA       |
| 100       | 120/240  | 2                  | _                   | 24                                  | 50/60     | NEMA 3R           | #14-#2/0                            | 1                                | 25,000                                      | 9, 11, 16 kW                        | EGSX100L24RA      |
| 150       | 120/240  | 2                  | Y                   | _                                   | 50/60     | NEMA 3R           | #4–300 kcmil                        | 1                                | 25,000                                      | 16, 20, 22 kW                       | EGSX150NSEA       |
| 200       | 120/240  | 2                  | _                   | _                                   | 50/60     | NEMA 3R           | #4–300 kcmil                        | 1                                | 25,000                                      | 16, 20, 22 kW                       | EGSX200A          |
| 200       | 120/240  | 2                  | Y                   | _                                   | 50/60     | NEMA 3R           | #4–300 kcmil                        | 1                                | 25,000                                      | 16, 20, 22 kW                       | EGSX200NSEA       |
| 400       | 120/240  | 2                  | Y                   | _                                   | 50/60     | NEMA 3R           | 750 kcmil–2 /<br>300 kcmil–1/0      |                                  | 35,000                                      | >22 kW                              | EGSX400NSEA       |

① Uses CH type circuit breakers.

<sup>②</sup> For reference only. Generator size must be determined by actual load calculations.

| Features   | Benefits   |
|--|--|
| <ul> <li>Truly active load management system</li> <li>RTC-100 controller with built-in intelligence</li> <li>Universal compatibility with any generator brand (single-phase, 240 V)</li> <li>No programming necessary</li> <li>Whole house surge included (catalog number: CHSPT2ULTRA)</li> <li>50 or 60 Hz</li> <li>Current sensors (CTs) included</li> <li>Built-in 7-, 14-, and 28-day plant exerciser</li> <li>Load and no-load transfer</li> <li>Meets NEC® Article 702.5 for optional standby backup power systems</li> <li>UL 1008 Listed</li> </ul> | <ul> <li>Actively balances electrical loads in the household, adjusting to homeowner's lifestyle</li> <li>Complete home surge protector included to protect home electronics and appliances against surge events</li> <li>Complete power monitoring for greater accuracy and load management: voltage, current, and frequency</li> <li>Power monitoring system allows 100% use of power output rating in the generator</li> <li>Contractor-friendly installation, requires fewer connections to the generator</li> <li>Environmentally friendly: allows downsizing of generator resulting in decrease of greenhouse gas (GHG) emissions, and reduces gas consumption by 15% or more</li> </ul> |
| Two sets of contacts for load shedding   | Easy, intuitive installation for labor savings   |
| Simplified, non-redundant relay-interface system   | Compatible with Eaton generators and most standby generator brands   |
| Terminal block termination; connections labeled to match generator<br>connections  | Smallest footprint in the industry (400 A model)   |
| Three-point keyhole mounting system for quick, level installation  |  |

#### ackup power systems

tion or 18 months from the date of shipment, whichever occurs first

aton.com.

Effective December 2016

## Air-cooled standby generator systems 9 kW and 11 kW

#### Table 4. Generator specifications

|  | Catalog number  |   |  |
|--|---|---|--|
|  | EGENA9  | EGENA11   |  |
| Generator  |   |   |  |
| Rated maximum continuous power capacity (LP)/(NG)                    | 9000/8000 watts ①   | 11,000/10,000 watts ①   |  |
| Enclosure  | Aluminum  | Aluminum  |  |
| Rated voltage  | 240   | 240   |  |
| Rated maximum continuous load current 240 V @                        | 37.5/33.3 NG  | 45.8/41.7 NG  |  |
| Total harmonic distortion  | Less than 5%  | Less than 5%  |  |
| Main line circuit breaker  | 40 A  | 50 A  |  |
| Phase  | Single  | Single  |  |
| Number of rotor poles  | 2   | 2   |  |
| Rated AC frequency   | 60 Hz   | 60 Hz   |  |
| Power factor   | 1.0   | 1.0   |  |
| Battery requirement (not included)                                   | Group 26R, 12 V and<br>525 cold-cranking amperes minimum<br>or Group 35AGM 650 cold-cranking<br>amperes minimum | Group 26R, 12 V and<br>525 cold-cranking amperes minimum<br>or Group 35AGM 650 cold-cranking<br>amperes minimum |  |
| Unit weight Ib (kg)  | 340/154   | 348 (158)   |  |
| Dimensions in inches (mm)<br>L x W x H                               | 48.00 x 25.00 x 29.00<br>(1219.2 x 635.0 x 736.6)   | 48.00 x 25.00 x 29.00<br>(1219.2 x 635.0 x 736.6)   |  |
| Sound output in dBA at 23 ft with generator operating at normal load | 66  | 63  |  |
| Engine   |   |   |  |
| Type of engine   | OHVI  | OHVI V-TWIN   |  |
| Number of cylinders  | 1   | 2   |  |
| Displacement   | 410 cc  | 530 cc  |  |
| Cylinder block   | Aluminum with cast iron sleeve  | Aluminum with cast iron sleeve  |  |
| Valve arrangement  | Overhead valve  | Overhead valve  |  |
| Ignition system  | Solid-state with magneto  | Solid-state with magneto  |  |
| Governor system  | Electronic  | Electronic  |  |
| Compression ratio  | 9.0:1   | 9.5:1   |  |
| Starter  | 12 Vdc  | 12 Vdc  |  |
| Dil capacity including filter  | Approximately 1.1 qt/1.0 L  | Approximately 1.7 qt/1.6 L  |  |
| Operating RPM  | 3,600   | 3,600   |  |
| Fuel consumption ③   |   |   |  |
| Natural gas ft³/hr (m³/hr): 1/2 load<br>Full load                    | 90 (2.55)<br>120 (3.4)  | 107 (3.03)<br>159 (4.50)  |  |
| Liquid propane ft³/hr (gal/hr) (liters/hr): 1/2 load<br>Full load    | 31.6 (0.87) (3.29)<br>50 (1.37) (5.2)   | 44.4 (1.22) (4.62)<br>71.6 (1.97) (7.45)  |  |

① Suitable for "optional" standby backup power only, as indicated by NEC Article 702. Not suitable for legally required "emergency" life safety applications as required by NEC Article 700 and NFPA 110/99. All ratings in accordance with BS5514, IS03046, and DIN6271. Maximum wattage and current are subject to and limited by such factors as fuel BTU content, ambient temperature, altitude, engine power, and condition. Maximum power decreases about 3.5% for each 1000 feet above sea level, and also will decrease about 1% for each 12 °C (10 °F) above 15.5 °C (60 °F).

② LP = Liquid propane NG = Natural gas

4

③ Gas pipe sizing is critical for the proper operation of the generator. Fuel pipe must be sized for full load. Required fuel pressure to generator fuel inlet at all load ranges—3.5 to 7 inches water column (7 to 13 mm mercury) for natural gas, 10 to 12 inches water column (19 to 22 mm mercury) for LP gas. For BTU content, multiply ft<sup>3</sup>/hr x 2500 (LP) or ft<sup>3</sup>/hr x 1000 (NG). For Megajoule content, multiply m<sup>3</sup>/hr x 93.15 (LP) or m<sup>3</sup>/hr x 37.26 (NG).

# Air-cooled standby generator systems 9 kW and 11 kW

#### Table 5. Generator controls

| Features  | Desc                    |
|---|-------------------------|
| Two-line plain text multilingual LCD display                              | Simp                    |
| Mode buttons<br>Auto<br>Manual<br>Off                                     | Autor<br>Start<br>Stops |
| Ready to run/maintenance messages   | Stand                   |
| Engine run hours indication   | Stand                   |
| Programmable start delay between 2 and 1500 seconds                       | Stand                   |
| Utility voltage loss/return to utility adjustable                         | From                    |
| Future set capable exerciser/exercise set error warning                   | Stand                   |
| Run/alarm/maintenance logs  | 50 ev                   |
| Engine start sequence   | Cyclic                  |
| Starter lockout   | Start                   |
| Smart battery charger   | Stand                   |
| Charger fault/missing AC warning  | Stand                   |
| Low battery/battery problem protection and battery condition indication   | Stand                   |
| Automatic voltage regulation with overvoltage and undervoltage protection | Stand                   |
| Underfrequency/overload/stepper overcurrent protection                    | Stand                   |
| Safety fused/fuse problem protection                                      | Stand                   |
| Automatic low oil pressure/high oil temperature shutdown                  | Stand                   |
| Overcrank/overspeed at 72 Hz/RPM sense loss shutdown                      | Stand                   |
| High engine temperature shutdown  | Stand                   |
| Internal fault/incorrect wiring protection                                | Stand                   |
| Common external fault capacity  | Stand                   |
| Field-upgradable firmware   | Stand                   |

#### cription

ple user interface for ease of operation tomatic start on utility failure. 7-day exerciser (7-, 14-, and 28-day exerciser when coupled with EGSU ATS) In with starter control, unit stays on. If utility fails, transfer to load takes place ups unit. Power is removed. Control and charger still operate ndard ndard ndard (programmable by dealer only) n 140 V to 171 V/190 V to 216 V ndard events each lic cranking 16 seconds on, 7 rest (90 seconds maximum duration) ter cannot re-engage unit 5 seconds after engine has stopped ndard ndard

# Air-cooled standby generator systems 9 kW and 11 kW

# Air-cooled standby generator systems 9 kW and 11 kW

#### Table 6. Compatible accessories and replacement parts-EGENA generators

| Description                          | Benefits/features  | Catalog number |
|--------------------------------------|--|----------------|
| Maintenance and general accessories  |  |                |
| Battery pad warmer                   | The pad warmer rests under the battery. Recommended for use if the temperature regularly falls below 0 °F. (Not necessary for use with AGM-style batteries).   | 7101CH         |
| Oil warmer                           | Oil warmer slips directly over the oil filter. Recommended for use if the temperature regularly falls below 0 °F.  | 7102CH         |
| Breather warmer                      | The breather warmer is for use in extreme cold weather applications. For use with standard controllers<br>only in climates where heavy icing occurs.   | 7103CH         |
| Maintenance kit for 9 kW generators  | Includes all hardware and material necessary to perform scheduled preventive maintenance. Compatible with model EGENX9 only.   | 6482CH         |
| Maintenance kit for 11 kW generators | Includes all hardware and material necessary to perform scheduled preventive maintenance. Compatible with model EGENX11 only.  | 6483CH         |
| Bisque color paint kit               | Ideal for touch-up paint/maintenance to generator enclosure against scratches and future corrosion.  | EGENPAINT      |
| Generator fascia                     | Enhances aesthetics. Installs in seconds (standard with EGENX20A and EGENX22A models).   | EGENFASCIA     |
| Air-cooled transportation cart       | User-friendly assembly, attaches to lifting holes. Smart design allows only one person to lift the unit<br>off of wooden pallet and position it for final installation.  | EGENCART       |
| Monitoring                           |  |                |
| Mobile wireless remote monitor       | Most advanced generator status monitoring system. Allows connectivity and settings programming<br>via smart devices (laptops, smartphone, pad, etc.). Sends automated emails and/or text messages<br>to multiple users. Requires cell phone signal and subscription. | EGENMOBILE     |
| In-house wireless monitor            | In-house generator status basic monitoring system. No computer connectivity required. 600 ft radius of wireless coverage.  | EGENINHOME     |

#### Table 7. Replacement parts—EGSX ATS

|                          | Catalog number |            |            |            |            |
|--------------------------|----------------|------------|------------|------------|------------|
| Component                | 50 A           | 100 A      | 150 A      | 200 A      | 400 A      |
| Contactor                | 99-5643-8      | 99-5638-12 | 99-5702-15 | 99-5702-15 | 99-5702-16 |
| Wire harness ①           | 99-5643-7      | 99-5638-13 | 99-5702-17 | 99-5702-17 | 99-5702-18 |
| Neutral bar              | 99-5643-6      | 99-5638-7  | 99-5702-6  | 99-5702-6  | 99-5702-13 |
| Ground lugs              | 99-5643-4      | 99-5638-5  | 99-5702-4  | 99-5702-4  | 99-5702-4  |
| Service entrance breaker |                | 99-5638-4  | CSR2150    | CSR2200    | KD2400     |
| Contactor lugs           | 99-5643-5      | 99-5638-6  | 99-5702-5  | 99-5702-5  | 99-5702-12 |

① Includes relay and mounting base.

#### Table 8. Replacement parts-EGSU ATS

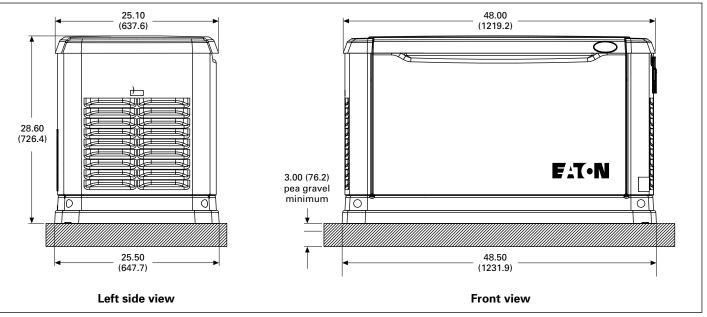
Catalog number

| Component                   | 100 A              | 150 A       | 200 A       | 400 A       |
|-----------------------------|--------------------|-------------|-------------|-------------|
| Controller                  | RTC100             | RTC100      | RTC100      | RTC100      |
| Contactor                   | 99-5638-12         | 99-5702-15  | 99-5702-15  | 99-5702-16  |
| Wire harness                | 99-5638-14         | 99-5702-7   | 99-5702-7   | 99-5702-19  |
| Service entrance breaker    | 99-5638-4          | CSR2150     | CSR2200     | KD2400 3    |
| Ground bar                  | <b>99-5638-5</b> ① | 99-5702-4   | 9-5702-4    | 99-5702-4   |
| Contactor lugs              | 99-5638-6          | 99-5702-5   | 99-5702-5   | 99-5702-12  |
| Neutral bar                 | <b>99-5638-7</b> ② | 99-5702-6   | 99-5702-6   | 99-5702-13  |
| Current sensors             | CS200              | CS200       | CS200       | CS400       |
| Whole house surge protector | CHSPT2ULTRA        | CHSPT2ULTRA | CHSPT2ULTRA | CHSPT2ULTRA |
|                             |                    |             |             |             |

① For EGSU100L24RACA, order ground bar catalog number 99-5638-15.

② For EGSU100L24RACA, order neutral bar catalog number 99-5638-17.

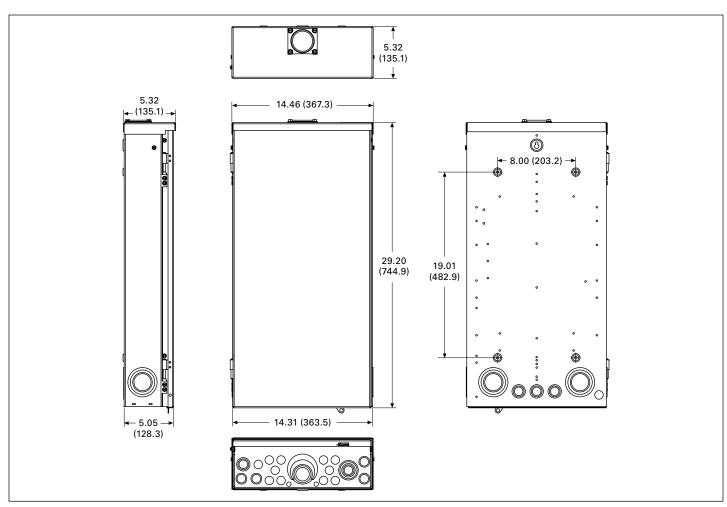
③ For breaker lugs, order catalog number 2TA401K.



## Figure 1. Air-cooled generator 9 kW and 11 kW-dimensions in inches (mm)

Dimensions shown are approximate. Design and specifications subject to change without notice. For additional information, visit our website at http://generators.eaton.com, call our technical resource center at (877) ETN-CARE (386-2273), or contact your local Eaton authorized distributor.

# Technical Data TD00405002E Effective December 2016





#### Table 9. Automatic transfer switches approximate dimensions in inches (mm)

| Amperes             | Width         | Height        | Depth         | Weight in lb (kg) |
|---------------------|---------------|---------------|---------------|-------------------|
| 50                  | 14.25 (362.0) | 21.00 (533.4) | 4.00 (101.6)  | 23 (10.43)        |
| 100                 | 14.46 (367.3) | 16.87 (428.5) | 5.32 (135.1)  | 25 (11.33)        |
| 100 with loadcenter | 14.46 (367.3) | 29.33 (745.0) | 5.32 (135.1)  | 38 (17.23)        |
| 150                 | 14.46 (367.3) | 29.33 (745.0) | 5.32 (135.1)  | 45 (20.41)        |
| 200 ①               | 14.46 (367.3) | 29.33 (745.0) | 5.32 (135.1)  | 45 (20.41)        |
| 400                 | 23.14 (587.8) | 37.56 (954.0) | 10.00 (254.0) | 130 (58.96)       |

① Height for 200 A non-SE is 25.08 (637.0).

Eaton 1000 Eaton Boulevard Cleveland, OH 44122 United States Eaton.com



© 2016 Eaton All Rights Reserved Printed in USA Publication No. TD00405002E / Z19034 December 2016

Eaton is a registered trademark.

All other trademarks are property of their respective owners.