

35

kW



YOU.POWERED.

LIQUID COOLED Standby Generators



SPECIFICATIONS

| OVERVIEW | | | | | | |
|---|-------------------------------------|--------|---------------|-----------|-----------|---------------|
| Brand | Briggs & Stratton® | | | | | Fortress™ |
| Model Number | 076130 | 076330 | 076331 | 076333 | 076335 | 076830 |
| Rated Countries | US / Canada | | | | | |
| Rated AC Voltage (Volts) | 120 / 240 | | 120 / 208 | 120 / 240 | 277 / 480 | 120 / 240 |
| Frequency (Hz) | 60 | | | | | |
| Generator Breaker (Amps) | 150 | | 125 | 110 | 60 | 150 |
| Operating Ambient Temperature (°C / °F) | -28 - 40 / -20 - 104 | | | | | |
| Running Amperage (LP / NG) (Amps) | 145 / 145 | | 121 / 121 | 105 / 105 | 52 / 52 | 145 / 145 |
| Running Watts¹ (LP / NG) (kW / kVA) | 35 / 35 | | 35 / 43.8 | | | 35 / 35 |
| Running Amperage - Continuous Duty International Use Only (LP / NG) (Amps) | 116 / 116 | | 96 / 96 | 84 / 84 | 41 / 41 | 116 / 116 |
| Running Watts - Continuous Duty International Use Only (LP / NG) (kW / kVA) | 28/28 / 28/28 | | 28/35 / 28/35 | | | 28/28 / 28/28 |
| Phase | 1 | | 3 | | | 1 |
| Engine | | | | | | |
| Engine Brand/Manufacturer | PSI | | | | | |
| Model Type | 4.3L Industrial Powertrain, 4-cycle | | | | | |
| Aspiration | Naturally Aspirated | | | | | |
| Speed (RPM) | 1800 | | | | | |
| Displacement (L / ci) | 4.3 / 262 | | | | | |
| Compression Ratio | 9.8:1 | | | | | |
| Rated Horsepower (gross hp) | 51.5 LP / 51.5 NG | | | | | |
| Governor Type | Electronic | | | | | |
| Bore & Stroke (mm / in) | 101.6 x 88.0 / 4.00 x 3.48 | | | | | |
| Number of Cylinders | 6 | | | | | |
| Cylinder Arrangement | V6 | | | | | |
| Start Type | Automatic | | | | | |

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| Engine | |
|---|---|
| Frequency Regulation Steady State, No Load to Full Load (%) | +/- 0.5 |
| Frequency Regulation, No Load to Full Load | Isochronous |
| Air Filter Type | Dry |
| Low Oil Pressure Sensor | Yes |
| Low Coolant Sensor | Yes |
| Engine Block Heater | Yes |
| Engine - Output Deratings | |
| Rated Temperature (°C / °F) | 25 / 77 |
| Rated Altitude (Above Sea Level) (m / ft) | 366 / 1200 |
| Temperature Derate | 1.5% for every 5.6°C (10°F) above rated temp |
| Altitude Derate | 2.5% for every 305m (1000ft) above rated altitude |
| Sound Rating ² | |
| No Load dB(A) | 68 |
| Air Induction System | |
| Combustion Air (m³/min / cfm) | 3.2 / 112 |
| Lubrication System | |
| Type | Full Pressure |
| Oil Capacity (L / qt) | 4.3 / 4.5 |
| Oil Filter (Quantity / Type) | 1 / Cartridge |
| Cooling System | |
| Cooling System Type | Radiator, Closed-loop |
| Coolant Capacity (Engine Only) (L / qt) | 7.3 / 7.8 |
| Coolant Capacity (System Total) (L / qt) | 22.7 / 24 |
| Heat Rejected to Cooling Water at Rated Load (kcal/sec / BTU/min) | 9.7 / 2300 |
| Water Pump Type | Centrifugal |
| Electrical System | |
| Ignition System | HVS Distributor |
| Battery Quantity | 1 |
| Battery Voltage (VDC) | 12 |
| Battery CCA (Amps) | 775 |
| Starter Motor Voltage (VDC) | 12 |
| Battery Charging Alternator | |
| Ground (Negative / Positive) | Negative |
| Nominal Voltage (VDC) | 12 |
| Maximum Amperage (Amps) | 70 |

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| Exhaust System | | | |
|---|------------------------------------|-----------------------|----------------------|
| Exhaust Manifold Type | Dry | | |
| Exhaust Flow at Rated Load (m³/min / cfm) | 10.3 / 362 | | |
| Exhaust Temperature at Rated Load (°C / °F) | 732 / 1350 | | |
| Maximum Allowable Back Pressure (kPa / in Hg) | 10.2 / 3.0 | | |
| Fuel System | | | |
| Fuel Type | NG / LPV | | |
| Fuel Supply Line Inlet | 1" NPT | | |
| Recommended Fuel, Lower Heating Value Minimum (MJ/m³ / BTU/ft³) | NG: 34.3 / 904 LPV: 87.1 / 2338 | | |
| Fuel Supply Pressure (mbar / in H₂O) | 17-28 / 7-11 | | |
| Fuel Consumption³ | | | |
| No Load, NG (BTU/hr) | 146,000 | | |
| No Load, NG (ft³/hr) | 146 | | |
| No Load, NG (m³/hr) | 4.2 | | |
| Half Load, NG (BTU/hr) | 258,000 | | |
| Half Load, NG (ft³/hr) | 258 | | |
| Half Load, NG (m³/hr) | 7.3 | | |
| Full Load, NG (BTU/hr) | 405,000 | | |
| Full Load, NG (ft³/hr) | 405 | | |
| Full Load, NG (m³/hr) | 11.5 | | |
| No Load, LP (BTU/hr) | 137000 | | |
| No Load, LP (ft³/hr) | 55 | | |
| No Load, LP (m³/hr) | 1.6 | | |
| Half Load, LP (BTU/hr) | 262,000 | | |
| Half Load, LP (ft³/hr) | 105 | | |
| Half Load, LP (m³/hr) | 3.0 | | |
| Full Load, LP (BTU/hr) | 409,000 | | |
| Full Load, LP (ft³/hr) | 164 | | |
| Full Load, LP (m³/hr) | 4.7 | | |
| Alternator Specifications | | | |
| Alternator Type | Self-Excited, 4-Lead | Self-Excited, 12-Lead | Self-Excited, 4-Lead |
| Alternator Manufacturer | Coliseum | | |
| Alternator Model Number | 35BSPP-0 | 35TBSP-2 | 35BSPP-0 |
| Frequency (Hz) | 60 | | |
| Exciter Type - Primary Alternator | Self-Excited | | |

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| Alternator Specifications | | | | |
|---|-------------------------|-----------|--|-------------------|
| Insulation Rating (Class) | H | | | |
| Designed Temperature Rise (°C) | 125 | | | |
| Bearing (Quantity / Type) | 1 / Sealed | | | |
| Coupling | Flexible Disk | | | |
| Amortisseur Windings | Full | | | |
| Number of Poles | 4 | | | |
| Voltage Regulator | Analog, 1-phase Sensing | | | |
| Voltage Regulation, No Load to Full Load (%) | +/- 1.0 | | | |
| One-step Load Acceptance | 100% Of Rating | | | |
| Total Harmonic Distortion (THD), No Load to Full Load (%) | < 5 | | | |
| Controls/Instrumentation | | | | |
| Controller Manufacturer | Briggs & Stratton | ComAp | | Briggs & Stratton |
| Controller | Briggs & Stratton | IntelLite | | Briggs & Stratton |
| Charger | Integrated | Accessory | | Integrated |
| Starting | AMF | 2-wire | | AMF |
| Alternator Frequency | Yes | | | |
| Real Time Clock | Yes | | | |
| Single & 3-phase Sensing | No | Yes | | No |
| Configurable Outputs | No | Yes | | No |
| Configurable Inputs | No | Yes | | No |
| Engine Maintenance Alarms | No | Yes | | No |
| Engine Hour Counter | Yes | | | |
| Engine Runtime Scheduler | Yes | No | | Yes |
| Event Log | No | Yes | | No |
| Web-based Monitoring | No | Yes | | No |
| NFPA 110 Compliant (Battery Charger, Controller Upgrade) | No | Yes | | No |
| Controller Features | | | | |
| True 3-phase Generator Sensing | No | Yes | | No |
| Power Monitoring (kW, kVA, kVAR) | No | Yes | | No |
| Remote Communications (RS232 & RS485) Capable | No | Yes | | No |
| Configurable Inputs / Outputs | No | Yes | | No |
| CAN Sensing | No | Yes | | No |
| Configurable Display Languages | No | Yes | | No |
| ComAp LiteEdit PC Software | No | Yes | | No |

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| Other Features | | | |
|--|----------|---------|---------|
| Battery Rack and Cables | Yes | | |
| Electronic, Isochronous Governor | Yes | | |
| Gas Fuel System | Yes | | |
| Integral Vibration Isolation | Yes | | |
| Oil Drain Extension | Yes | | |
| Operation and Installation Manual(s) | Yes | | |
| Aluminum Sound Enclosure | Yes | | |
| Accessories | | | |
| Battery Charger, Marinco | No | 6279-00 | No |
| Battery Charger, Sentinel | No | 6339-00 | No |
| Controller Remote Communication Module, IL-NT GPRS | No | 6354-00 | No |
| Controller Remote Communication Module, IB-LITE | No | 6355-00 | No |
| Controller Remote Communication Module, IL-NT RS232-485 | No | 6356-00 | No |
| Controller Remote Communication Module, IL-NT S-USB | No | 6357-00 | No |
| Remote Annunciator, RA-15 | No | 6334-00 | No |
| Remote Display, IL-NT RD | No | 6353-00 | No |
| Emergency Stop Switch, NEMA 4X | No | 6360-00 | No |
| Emergency Stop Switch, w/ Cover | No | 6361-00 | No |
| Local Emergency Stop Switch | 6491-00 | No | 6491-00 |
| Battery Warmer | 6343-00 | | |
| Battery Cable Lockout | 6335-00 | | |
| Engine Communication Cable | 6350-00 | | |
| Controller Communication Cable, USB-A to USB-B | 6428-00 | No | 6428-00 |
| Controller Communication Cable, RS232 Null Modem to USB-A | No | 6429-00 | No |
| Maintenance Kit | 6514-00 | | |
| Limited Warranty ⁴ | | | |
| Warranty: Generator, Domestic (Parts / Labor / Travel) (Years) | 5 | | 6 |
| Warranty: Generator, International (Parts / Labor / Travel) (Years/Hours) | 4 / 1200 | | N/A |
| Warranty: Engine, Domestic (Parts / Labor / Travel) (Years) | 3 | | 6 |
| Warranty: Engine, International (Parts / Labor / Travel) (Years) | 2 | | N/A |
| Warranty: Enclosure, Surface Rust and Corrosion (Parts / Labor / Travel) (Years) | 1 | | |
| Warranty: Enclosure, Rust Through (Parts / Labor / Travel) (Years) | 3 | | |

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Weights & Dimensions

Assembled Dimensions (Length x Width x Height) (in / mm)

91 x 39.4 x 41 / 2311 x 1001 x 1041

Assembled Weight (lbs / kg)

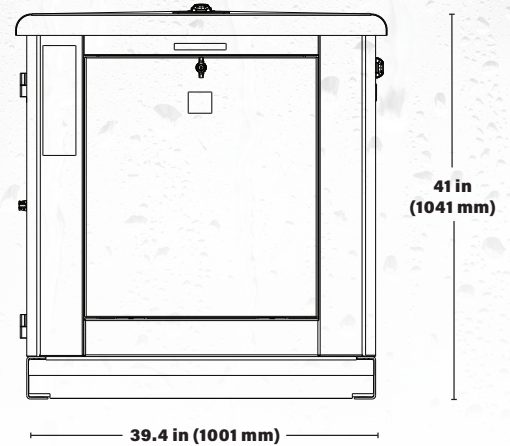
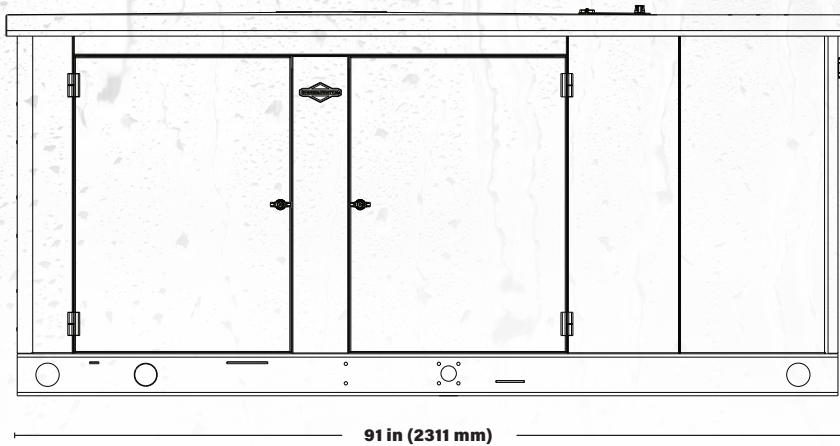
1541 / 699

Packaged Dimensions (Length x Width x Height) (in / mm)

103.9 x 48 x 50.4 / 2638 x 1219 x 1280

Packaged Weight (lbs / kg)

1940 / 880



¹ This generator is listed in accordance with UL (Underwriters Laboratories) 2200 (stationary engine generator assemblies) and CSA (Canadian Standards Association) standard C22.2 No. 100-14 (motors and generators).

² Lowest no-load measurement per ISO 3744. Sound level measurement at other locations around generator may be different depending upon installation configuration.

³ Fuel consumption rates are estimated based on normal operating conditions. Generator operation may be greatly affected by elevation and the cycling operation of multiple electrical appliances - fuel flow rates may vary depending on these factors.

⁴ See Operator's Manual or BRIGGSandSTRATTON.com for complete warranty details.

Briggs & Stratton has a policy of continuous product improvement and reserves the right to modify its specifications at any time and without prior notice.

This standby generator is not for Prime Power applications.

Please visit BRIGGSandSTRATTON.com for the latest information.

BS1374 - 4/22

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