

200
kW



YOU.POWERED.

LIQUID COOLED

Standby Generators



SPECIFICATIONS

OVERVIEW				
Brand	Briggs & Stratton®			
Model Number	080026	080027	080028	080029
Rated Countries	US / Canada			
Rated AC Voltage (Volts)	120 / 208	120 / 240	277 / 480	347 / 600
Frequency (Hz)	60			
Generator Breaker (Amps)	800	700	350	300
Operating Ambient Temperature (°C / °F)	-28 - 40 / -20 - 104			
Running Amperage (Amps)	694	601	301	241
Running Watts¹ (NG) (kW / kVA)	200 / 250			
Phase	3			
Engine				
Engine Brand/Manufacturer	Doosan			
Model Type	11.1L Industrial Powertrain, 4-cycle			
Aspiration	Turbo Charge Air Cooled			
Speed (RPM)	1800			
Displacement (L / ci)	11.1 / 673			
Compression Ratio	10.5:1			
Rated Horsepower (gross hp)	315			
Governor Type	Electronic			
Bore & Stroke (mm / in)	123 x 155 / 4.84 x 6.1			
Number of Cylinders	6			
Cylinder Arrangement	Inline 6			
Start Type	Automatic			
Frequency Regulation Steady State, No Load to Full Load (%)	+/- 0.5			

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Engine	
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)	72
Lubrication System	
Type	Full Pressure
Oil Capacity (L / qt)	25 / 26.5
Oil Filter (Quantity / Type)	1 / Cartridge
Air Induction System	
Combustion Air (m ³ /min / cfm)	13 / 448
Cooling System	
Cooling System Type	Radiator, Closed-loop
Coolant Capacity (Engine Only) (L / qt)	25 / 22
Coolant Capacity (System Total) (L / qt)	105 / 92
Heat Rejected to Cooling Water at Rated Load (kcal/sec / BTU/min)	46.5 / 11071
Water Pump Type	Centrifugal
Electrical System	
Ignition System	Individual Ignition Coil
Battery Quantity	2
Battery Voltage (VDC)	12
Battery CCA (Amps)	1000
Starter Motor Voltage (VDC)	24
Battery Charging Alternator	
Ground (Negative / Positive)	Negative
Nominal Voltage (VDC)	24
Maximum Amperage (Amps)	45

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Exhaust System	
Exhaust Manifold Type	Water Cooled Manifold
Exhaust Flow at Rated Load (m ³ /min / cfm)	40 / 1425
Exhaust Temperature at Rated Load (°C / °F)	732 / 1350
Maximum Allowable Back Pressure (kPa / in Hg)	10.2 / 3.0
Fuel System	
Fuel Type	Natural Gas
Fuel Supply Line Inlet	2" NPT
Recommended Fuel, Lower Heating Value Minimum (MJ/m ³ / BTU/ft ³)	34.3 / 904
Fuel Supply Pressure (mbar / in H ₂ O)	17-28 / 7-11
Fuel Consumption ³	
No Load, NG (BTU/hr)	407,000
No Load, NG (ft ³ /hr)	407
No Load, NG (m ³ /hr)	11.6
Half Load, NG (BTU/hr)	1,494,000
Half Load, NG (ft ³ /hr)	1,494
Half Load, NG (m ³ /hr)	42.4
Full Load, NG (BTU/hr)	2,716,000
Full Load, NG (ft ³ /hr)	2,716
Full Load, NG (m ³ /hr)	76.9
Alternator Specifications	
Alternator Type	Brushless, 12-Lead
Alternator Manufacturer	MeccAlte
Alternator Model Number	ECO38-3SN/4 A
Frequency (Hz)	60
Exciter Type - Primary Alternator	Auxiliary Winding
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	Digital, 1-phase Sensing
Voltage Regulation, No Load to Full Load (%)	+/- 1.0

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Alternator Specifications	
One-step Load Acceptance	100% of Rating
Sustained Short-Circuit Current	300% of Rated Current for 20 Seconds
Total Harmonic Distortion (THD), No Load to Full Load (%)	< 3.5
Controls/Instrumentation	
Controller Manufacturer	Deep Sea
Controller	DSE 7310 MKII
Charger	Guest 5 Amp
Starting	2-wire
Alternator Frequency	Yes
Real Time Clock	Yes
Single & 3-phase Sensing	Yes
Accumulated Power Monitoring	Yes
Runtime & Downtime Monitoring	Yes
Configurable Outputs	Yes
Configurable Inputs	Yes
Engine Maintenance Alarms	Yes
Engine Hour Counter	Yes
Engine Runtime Scheduler	Yes
Event Log	Yes
Web-based Monitoring	Yes
Controller Features	
Heated Display Option	Yes
True 3-phase Generator Sensing	Yes
Power Monitoring (kW, kVA, kVAR)	Yes
Remote Communications (RS232 & RS485) Capable	Yes
Configurable Inputs / Outputs	Yes
CAN Sensing	Yes
Configurable Display Languages	Yes
Power Save Mode	Yes
Integral PLC Editor	Yes
Flexible Sender Inputs	Yes
DSE Configuration Suite PC Software	Yes
Configurable Event Log (250)	Yes
Load Switching, Load Shedding & Dummy Load Outputs	Yes

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Other Features	
Alternator Protection	Yes
Battery Rack and Cables	Yes
Battery	Yes
Electronic, Isochronous Governor	Yes
Gas Fuel System	Yes
Integral Vibration Isolation	Yes
Operation and Installation Manual(s)	Yes
Steel Sound Enclosure	Yes
Accessories	
Battery Charger, 9461-02	6463-00
Controller Remote Communication Module, DSE 890-01	6464-00
Remote Annunciator, DSE 2548-01	6465-00
Remote Display, DSE 2510-32	6466-00
Emergency Stop Switch, NEMA 4X	6360-00
Emergency Stop Switch, w/ Cover	6361-00
Battery Warmer	6343-00
Battery Cable Lockout	6335-00
Engine Communication Cable	6350-00
AVR Communication Cable	6472-00
Controller Communication Cable, USB-A to USB-B	6428-00
Remote Annunciator Kit, DSE 2548-01	6468-00
Limited Warranty ⁴	
Warranty: Generator, incl engine (Parts / Labor / Travel) (Years)	3
Warranty: Generator, Enclosure, Rust Through (Parts / Labor / Travel) (Years / Hours)	2
Certifications	
UL	Yes
cUL	Yes

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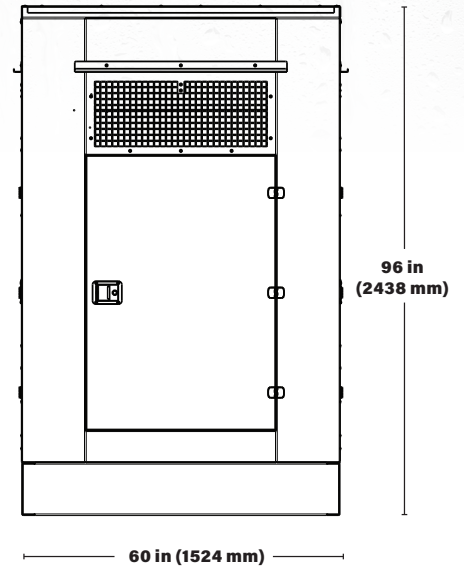
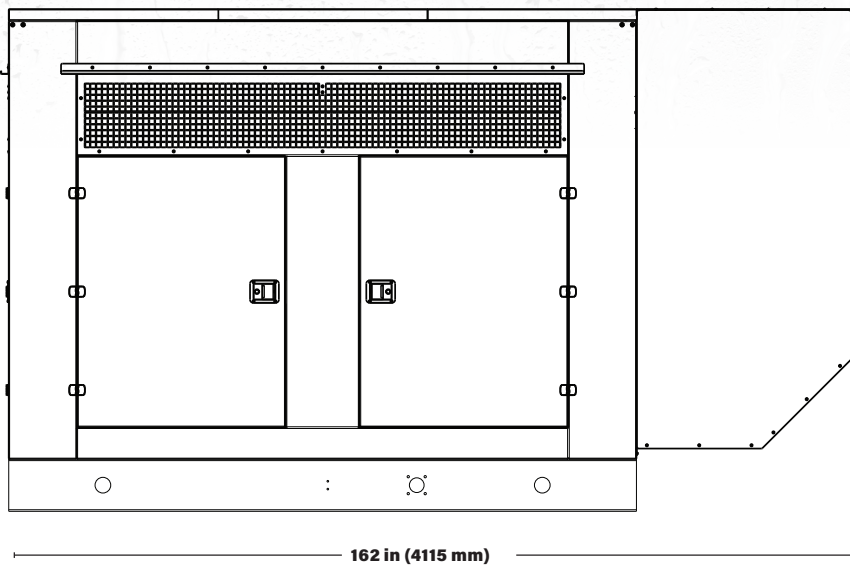
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Weights & Dimensions

Assembled Dimensions (Length x Width x Height) (in / mm)	162 x 60 x 96 / 4115 x 1524 x 2438
Assembled Weight (lbs / kg)	9325 / 4230
Packaged Dimensions (Length x Width x Height) (in / mm)	169 x 66 x 101 / 4293 x 1676 x 2565
Packaged Weight (lbs / kg)	9535 / 4325



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 (motor and generators).

² Per ISO 3744. Sound level measurement at other locations around generator may differ depending on installation, based on lowest microphone at 7m. Normal operation based on average household usage.

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.

BS1382 - 4/22

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