

GENERAC®

ATTACHMENT

C

SG300

12.9L

Industrial Spark-Ignited Generator Set

EPA Certified Stationary Emergency

SG300 300 kW

Standby Power Rating
300 kW 375 kVA 60 Hz

Prime Power Rating*
270 kW 338 kVA 60 Hz



*Built in the USA using domestic and foreign parts

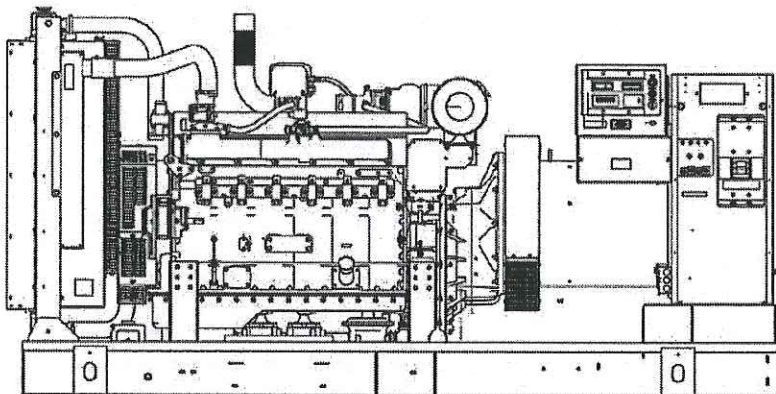


Image used for illustration purposes only

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

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 C62.41

American National Standards Institute



osHPD

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

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.

SG300**Standard Features****ENGINE SYSTEM**General

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

Fuel System

- Primary and Secondary Fuel Shutoff
- Flexible Fuel Line - NPT Connection

Cooling System

- Closed Coolant Recovery System
- UV/Ozone resistant hoses
- Factory-installed Radiator
- Radiator drain extension
- 50/50 Ethylene glycol antifreeze

Engine Electrical System

- Battery charging alternator
- Battery Cables
- Battery Tray
- Solenoid activated starter motor
- Rubber-booted engine electrical connections

ALTERNATOR SYSTEM

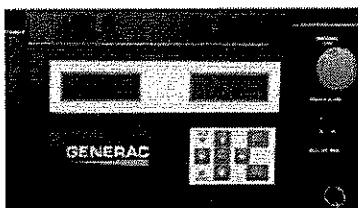
- UL2200 GENprotect™
- Class H insulation material
- 2/3 Pitch
- Skewed Stator
- Permanent Magnet Excitation
- Sealed Bearings
- Amortisseur winding
- Full load capacity alternator

GENERATOR SET

- Internal Genset Vibration Isolation
- Separation of circuits - high/low voltage
- Separation of circuits - multiple breakers
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Year Limited Warranty (Standby rated Units)
- 1 Year 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

CONTROL SYSTEMControl 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)

SG300

Configurable Options

ENGINE SYSTEM

- ☐ General
- ☐ Engine Block Heater
- ☐ Oil Heater
- ☐ Air Filter Restriction Indicator
- ☐ Stone Guard (Open Set Only)

Engine Electrical System

- ☐ 10A UL battery charger
- ☐ Battery Warmer

ALTERNATOR SYSTEM

- ☐ Alternator Upsizing
- ☐ Anti-Condensation Heater
- ☐ Tropical coating

GENERATOR SET

- ☐ Gen-Link Communications Software (English Only)
- ☐ Extended Factory Testing (3 Phase Only)
- ☐ IBC Seismic Certification
- ☐ 8 Position Load Center
- ☐ 2 Year Extended Warranty
- ☐ 5 Year Warranty
- ☐ 5 Year Extended Warranty

CIRCUIT BREAKER OPTIONS

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

ENCLOSURE

- ☐ Standard Enclosure
- ☐ 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

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
- ☐ Fluid containment pans

ALTERNATOR SYSTEM

- ☐ 3rd Breaker Systems

GENERATOR SET

- ☐ Special Testing

ENCLOSURE

- ☐ Motorized Dampers
- ☐ Enclosure Ambient Heaters

CONTROL SYSTEM

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

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 dated 2005-06-01, definitions for Prime Power (PRP) and Emergency Standby Power (ESP).

SG300

application and engineering data

ENGINE SPECIFICATIONS

General

Make	Generac
Cylinder #	6
Type	In-line
Displacement - L (Cu In)	12.88 (785.99)
Bore - mm (in)	135 (5.31)
Stroke - mm (in)	150 (5.91)
Compression Ratio	9.7:1
Intake Air Method	Turbocharged/Aftercooled
Number of Main Bearings	7
Connecting Rods	Carbon Steel
Cylinder Head	Cast Iron GT250, OHV
Cylinder Liners	Ductile Iron
Ignition	Altronic CD1
Pistons	Aluminum
Crankshaft	Ductile Iron
Lifter Type	Solid
Intake Valve Material	Special Heat-Resistant Steel
Exhaust Valve Material	Alloy Steel, High Temp
Hardened Valve Seats	Alloy Steel, High Temp

Engine Governing

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

Lubrication System

Oil Pump Type	Gear
Oil Filter Type	Full-flow Cartridge
Crankcase Capacity - L (qts)	34.3 (36.2)

Cooling System

Cooling System Type	Pressurized Closed Recovery
Water Pump Flow - gpm (lpm)	94 (356)
Fan Type	Pusher
Fan Speed (rpm)	2250
Fan Diameter mm (in)	863 (34)
Coolant Heater Wattage	2000
Coolant Heater Standard Voltage	240 V

Fuel System

Fuel Type	Natural Gas
Carburetor	Down Draft
Secondary Fuel Regulator	Standard
Fuel Shut Off Solenoid	Standard (Dual)
Operating Fuel Pressure (Standard)	11" - 15" H ₂ O
Operating Fuel Pressure (Optional)	7" - 15" H ₂ O

Engine Electrical System

System Voltage	24 VDC
Battery Charging Alternator	Standard
Battery Size	See Battery Index 0161970SBY
Battery Voltage	(2) 12 VDC
Ground Polarity	Negative

ALTERNATOR SPECIFICATIONS

Standard Model	520
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	<5%
Telephone Interference Factor (TIF)	< 50
Standard Excitation	Permanent Magnet
Bearings	Sealed Ball
Coupling	Direct Flexible Disc
Prototype Short Circuit Test	Yes

Voltage Regulator Type	Full Digital
Number of Sensed Phases	3
Regulation Accuracy (Steady State)	+/- 0.25%

SG300

operating data

SG300 300 kW

POWER RATINGS

	Natural Gas	
	300 kW	Amps:
Three-Phase 120/208 VAC @0.8pf	300 kW	1041
Three-Phase 120/240 VAC @0.8pf	300 kW	902
Three-Phase 277/480 VAC @0.8pf	300 kW	451
Three-Phase 346/600 VAC @0.8pf	300 kW	361

STARTING CAPABILITIES (sKVA)

		sKVA vs. Voltage Dip											
		480 VAC						208/240 VAC					
Alternator	kW	10%	15%	20%	25%	30%	35%	10%	15%	20%	25%	30%	35%
Standard	300	303	454	605	757	908	1059	227	341	454	568	681	794

FUEL CONSUMPTION RATES*

Natural Gas — ft ³ /hr (m ³ /hr)	
Percent Load	Standby
25%	1968 (55)
50%	2857 (81)
75%	3625 (102)
100%	4621 (130)

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

COOLING

		Standby
Air Flow (Inlet air combustion and radiator)	ft ³ /min (m ³ /min)	19,668 (556.8)
Coolant Flow per Minute	gpm (lpm)	94 (356)
Coolant System Capacity	gal (L)	19 (71.9)
Heat Rejection to Coolant	BTU/hr	945,844
Max. Operating Air Temp on Radiator	°F (°C)	122 (50)
Maximum Radiator Backpressure	in H ₂ O	0.5

COMBUSTION AIR REQUIREMENTS

	Standby
Flow at Rated Power cfm (m ³ /min)	603 (17)

ENGINE

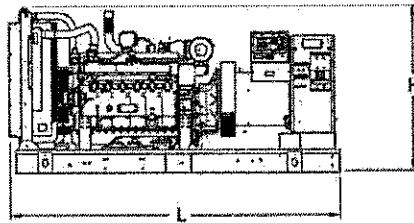
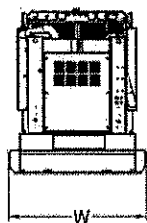
		Standby
Rated Engine Speed	rpm	2150
Engine Horsepower**	hp	477
Piston Speed	ft/min (m/min)	2116 (645)
BMEP	psi	269

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

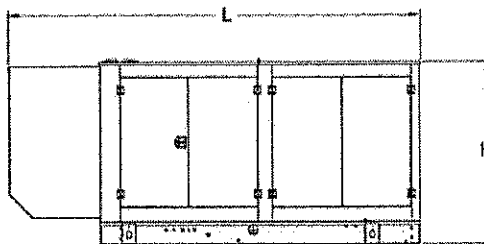
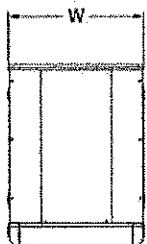
EXHAUST

		Standby
Exhaust Flow (Rated Output)	cfm (m ³ /min)	2076 (59)
Maximum Recommended Back Pressure	inHg	1.5
Exhaust Temp (Rated Output)	°F (°C)	1350 (732)
Exhaust Outlet Size (Open Set)	in	3.5" I.D. Flex (No Muffler)

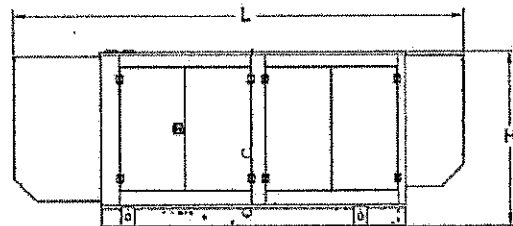
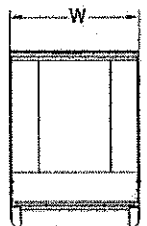
Deration — Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions. Please consult a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO6528 and DIN8271 standards.

SG300**dimensions, weights, and sound levels****OPEN SET (Includes Exhaust Flex)**

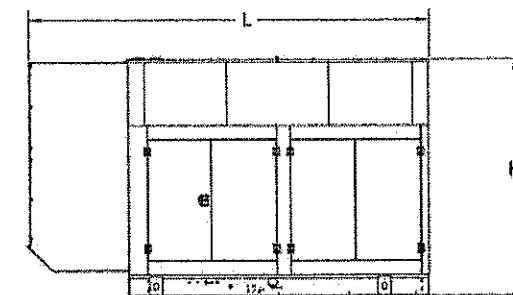
L x W x H in (mm)	138.74 (3524.1) x 57.6 (1463.1) x 68.04 (1728.3)
Weight lbs (kg)	6612 (2998)
Sound Level (dBA*)	90

**STANDARD ENCLOSURE**

L x W x H in (mm)	174.7 (4437.4) x 52.98 (1345.7) x 77.8 (1976.1)
Weight lbs (kg)	Steel: 7786 (3531) Aluminum: 7013 (3180)
Sound Level (dBA*)	88

**LEVEL 1 ACOUSTIC ENCLOSURE**

L x W x H in (mm)	200.19 (5084.7) x 57.49 (1460.4) x 77.80 (1976.1)
Weight lbs (kg)	Steel: 8342 (3783) Aluminum: 7203 (3266)
Sound Level (dBA*)	81

**LEVEL 2 ACOUSTIC ENCLOSURE**

L x W x H in (mm)	180.65 (4588.4) x 57.49 (1460.4) x 107.3 (2725.4)
Weight lbs (kg)	Steel: 8904 (4038) Aluminum: 7404 (3357)
Sound Level (dBA*)	76

*All measurements are approximate and for estimation purposes only. Sound levels measured at 23 ft (7 m) and does not account for ambient site conditions.

YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER

Specification characteristics may change without notice. Please consult a Generac Power Systems Industrial Dealer for detailed installation drawings.

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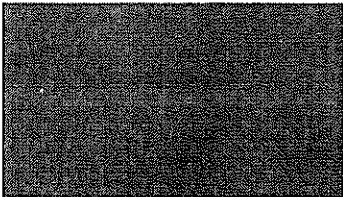
Certification Data for Exhaust Emissions Data for SG300

EXHAUST EMISSIONS DATA

STATEMENT OF EXHAUST EMISSIONS 2015 SPARK-IGNITED GENERATORS INDUSTRIAL SERIES - NON-SCAQMD

	Model	Engine	EPA Engine Family	Fuel	CAT Req'd	Comb Cat or Separate Cat	EPA Cert #	Grams/hp-hr.			Rated RPM	BHP	Fuel Flow (lb/hr)
								THC	NOx	CO			
Small Spark-Ignited Engines - SSI (SSE)	QTA25	2.4	FGHX802.42NH	HG	No	NR	FGHX802.42NH-005	2.14	2.37	93.95	1800	38.39	16.52
	QTA25	2.4	FGHX802.42NL	LPG	No	NR	FGHX802.42NL-006	1.43	4.38	86.18	1800	43.29	17.59
	SG035	5.4	FGHX805.42NH	HG	No	NR	FGHX805.42NH-009	1.60	2.52	95.32	1800	82.10	36.91
	SG035	5.4	FGHX805.42NL	LPG	No	NR	FGHX805.42NL-010	1.24	3.45	112.01	1800	82.30	34.60
	SG040	5.4	FGHX805.42NH	HG	No	NR	FGHX805.42NH-009	1.60	2.52	95.32	1800	82.10	36.91
	SG040	5.4	FGHX805.42NL	LPG	No	NR	FGHX805.42NL-010	1.24	3.45	112.01	1800	82.30	34.60
	SG045	5.4	FGHX805.42NH	HG	No	NR	FGHX805.42NH-009	1.60	2.52	95.32	1800	82.10	36.91
	SG045	5.4	FGHX805.42NL	LPG	No	NR	FGHX805.42NL-010	1.24	3.45	112.01	1800	82.30	34.60
	SG050	5.4	FGHX805.42NH	HG	No	NR	FGHX805.42NH-009	1.60	2.52	95.32	1800	82.10	36.91
	SG050	5.4	FGHX805.42NL	LPG	No	NR	FGHX805.42NL-010	1.24	3.45	112.01	1800	82.30	34.60
	SG050	6.8	FGHX805.82NH	HG	No	NR	FGHX805.82NH-011	1.49	6.57	30.88	1800	84.00	37.17
	SG050	6.8	FGHX805.82NL	LPG	No	NR	FGHX805.82NL-012	1.85	2.67	172.30	1800	84.66	46.55
	SG060	6.8	FGHX805.82NH	HG	No	NR	FGHX805.82NH-011	1.47	2.94	75.86	1800	86.67	38.76
	SG060	6.8	FGHX805.82NL	LPG	No	NR	FGHX805.82NL-012	1.26	4.23	99.05	1800	86.60	41.20
	SG070	6.8	FGHX805.82NH	HG	No	NR	FGHX805.82NH-011	1.46	3.55	68.40	1800	109.72	42.37
	SG070	6.8	FGHX805.82NL	LPG	No	NR	FGHX805.82NL-012	1.26	3.28	111.49	1800	118.41	51.86
	SG080	8.0	FGHX808.02NH	HG	No	NR	FGHX808.02NH-013	1.16	2.96	49.00	1800	127.61	44.02
	SG080 (DF)	8.0	FGHX808.02NH	HG/LPV	No	NR	FGHX808.02NH-013	0.85	4.24	27.29	1800	128.08	42.50
	SG080 (DF)	8.0	FGHX808.02NH	HG/LPL	No	NR	FGHX808.02NH-013	1.23	4.08	37.06	1800	127.90	42.60
	SG090	8.0	FGHX808.02NL	LPV	No	NR	FGHX808.02NL-014	0.95	2.24	88.43	1800	127.45	50.13
	SG090	8.0	FGHX808.02NL	LPL	No	NR	FGHX808.02NL-014	1.00	2.77	71.36	1800	128.96	45.61
Large Spark-Ignited Engines (LSIE)	SG130 (DF)	6.8	FGHX808.82C3	HG & LP	Yes	Cat Muff	FGHX808.82C3-033	0.06	0.05	0.92	3600	193.49	72.31
	SG150 (DF)	6.8	FGHX808.82C3	HG & LP	Yes	Cat Muff	FGHX808.82C3-033	0.16	0.14	1.54	3600	231.00	91.34
	SG160	9.0	FGHX808.92C1	HG	Yes	Cat Muff	FGHX808.92C1-035	0.17	0.003	0.06	1800	148.90	45.88
	SG160 (DF)	9.0	FGHX808.92C1	HG/LPV	Yes	Cat Muff	FGHX808.92C1-035	0.30	0.400	0.70	1800	133.16	46.36
	SG160 (DF)	9.0	FGHX808.92C1	HG/LPL	Yes	Cat Muff	FGHX808.92C1-035	0.34	0.008	1.10	1800	135.75	45.47
	SG160	9.0	FGHX808.92C2	LPG	Yes	Cat Muff	FGHX808.92C2-035	0.03	0.08	0.13	1800	167.67	53.08
	SG160	9.0	FGHX808.92C2	LPL	Yes	Cat Muff	FGHX808.92C2-035	0.07	0.04	0.20	1800	155.15	54.47
	SG130, 150	9.0	FGHX808.92C3	HG	Yes	Cat Muff	FGHX808.92C3-053	0.10	0.03	0.02	1800	230.30	71.97
	SG130, 150 (DF)	9.0	FGHX808.92C3	HG/LPV	Yes	Cat Muff	FGHX808.92C3-053	0.10	0.03	0.02	1800	230.30	71.97
	SG130, 150 (DF)	9.0	FGHX808.92C3	HG/LPL	Yes	Cat Muff	FGHX808.92C3-053	0.10	0.03	0.02	1800	230.30	71.97
	MG130, 150	9.0	FGHX808.92C3	HG	Yes	Cat Muff	FGHX808.92C3-053	0.10	0.03	0.02	1800	230.30	71.97
	MG130, 150 (DF)	9.0	FGHX808.92C3	HG/LPV	Yes	Cat Muff	FGHX808.92C3-053	0.10	0.03	0.02	1800	230.30	71.97
	MG130, 150 (DF)	9.0	FGHX808.92C3	HG/LPL	Yes	Cat Muff	FGHX808.92C3-053	0.10	0.03	0.02	1800	230.30	71.97
	SG130, 150	9.0	FGHX808.92C4	LPG	Yes	Cat Muff	FGHX808.92C4-054	0.02	0.57	1.30	1800	230.30	75.43
	SG130, 150	9.0	FGHX808.92C4	LPL	Yes	Cat Muff	FGHX808.92C4-054	0.02	0.57	1.30	1800	230.30	75.43
	MG130, 150	9.0	FGHX808.92C4	LPG	Yes	Cat Muff	FGHX808.92C4-054	0.02	0.67	1.30	1800	230.30	75.43
	MG130, 150	9.0	FGHX808.92C4	LPL	Yes	Cat Muff	FGHX808.92C4-054	0.02	0.67	1.30	1800	230.30	75.43
	SG180	12.9	FGHX812.92C2	NG	Yes	Cat Muff	FGHX812.92C2-042	0.53	0.13	0.53	1800	307.87	107.99
	MG150	12.9	FGHX812.92C2	NG	Yes	Cat Muff	FGHX812.92C2-042	0.53	0.13	0.53	1800	307.87	107.99
	SG175	12.9	FGHX812.92C2	NG	Yes	Cat Muff	FGHX812.92C2-042	0.53	0.13	0.53	1800	307.87	107.99
	SG200	12.9	FGHX812.92C2	NG	Yes	Cat Muff	FGHX812.92C2-042	0.53	0.13	0.53	1800	307.87	107.99
	MG200	12.9	FGHX812.92C2	NG	Yes	Cat Muff	FGHX812.92C2-042	0.53	0.13	0.53	1800	307.87	107.99
	SG230	12.9	FGHX812.92C2	NG	Yes	Cat Muff	FGHX812.92C2-042	0.38	0.03	0.53	1800	378.10	125.30
	SG250	12.9	FGHX812.92C2	NG	Yes	Cat Muff	FGHX812.92C2-042	0.38	0.03	0.53	1800	378.10	125.30
	MG250	12.9	FGHX812.92C2	NG	Yes	Cat Muff	FGHX812.92C2-042	0.38	0.03	0.53	1800	378.10	125.30
	SG275	12.9	FGHX812.92C3	NG	Yes	Cat Muff	FGHX812.92C3-043	0.06	0.06	0.81	2150	477.00	164.20
	SG300	12.9	FGHX812.92C3	NG	Yes	Cat Muff	FGHX812.92C3-043	0.06	0.06	0.81	2150	477.00	164.20
	MG300	12.9	FGHX812.92C3	NG	Yes	Cat Muff	FGHX812.92C3-043	0.06	0.06	0.81	2150	477.00	164.20
	SG150, 175, 200	14.2	FGHX814.22C1	NG	Yes	Cat Muff	FGHX814.22C1-047	0.06	0.05	0.39	1800	304.00	99.54
	MG150	14.2	FGHX814.22C1	NG	Yes	Cat Muff	FGHX814.22C1-047	0.06	0.05	0.39	1800	304.00	99.54
	MG200	14.2	FGHX814.22C1	NG	Yes	Cat Muff	FGHX814.22C1-047	0.06	0.05	0.39	1800	304.00	99.54
	SG230, 250	14.2	FGHX814.22C1	NG	Yes	Cat Muff	FGHX814.22C1-047	0.04	0.02	0.23	1800	374.00	120.84
	MG250	14.2	FGHX814.22C1	NG	Yes	Cat Muff	FGHX814.22C1-047	0.04	0.02	0.23	1800	374.00	120.84
	SG350	21.9	FGHX821.92D1	NG	Yes	Cat Muff	FGHX821.92D1-037	0.18	0.14	0.82	1800	636.00	201.17
	MG350	21.9	FGHX821.92D1	NG	Yes	Cat Muff	FGHX821.92D1-037	0.18	0.14	0.82	1800	636.00	201.17
	SG400	21.9	FGHX821.92D1	NG	Yes	Cat Muff	FGHX821.92D1-037	0.18	0.14	0.82	1800	636.00	201.17
	MG400	21.9	FGHX821.92C1	NG	Yes	Cat Muff	FGHX821.92C1-037	0.18	0.14	0.82	1800	636.00	201.17

NR: Not Required
DF: Dual Fuel
Refer to page 2 for definitions and advisory notes.


GENERAC®**INDUSTRIAL
POWER****CERTIFICATION DATA****EXHAUST EMISSIONS
DATA**
**STATEMENT OF EXHAUST EMISSIONS
2015 SPARK-IGNITED GENERATORS**

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2015 EPA SPARK-IGNITED EXHAUST EMISSIONS DATA

Effective since 2009, the EPA has implemented exhaust emissions regulations on stationary spark-ignited (gaseous) engine generators for emergency applications. All Generac spark-ignited gensets, including SG, MG, QTA and QT series gensets, that are built with engines manufactured in 2009 and later meet the requirements of 40CFR part 60 subpart JJJJ and are EPA certified. These generator sets are labeled as EPA Certified with decals affixed to the engines' valve covers.

The attached documents summarize the general information relevant to EPA certification on these generator sets. This information can be used for submittal data and for permitting purposes, if required. These documents include the following information:

EPA Engine Family

The EPA Engine Family is assigned by the Manufacturer under EPA guidelines for certification purposes and appears on the EPA certificate.

Catalyst Required

Indicates whether an exhaust catalyst and Air/Fuel Ratio control system are required on the generator set to meet EPA certification requirements. Generally, units rated 80kW and smaller do not require a catalyst to meet EPA certification requirements. Please note that some units that do not require a catalyst to meet EPA requirements do need a catalyst if the California SCAQMD option is selected. Please see "California SCAQMD" below for additional information on this option.

Combination Catalyst or Separate Catalyst

SG and MG series generator sets typically utilize a single combination catalyst/silencer as part of meeting EPA certification requirements. Many QT and QTA series generator sets use the same engines as SG and MG series units, but have different exhaust configurations that require the use of conventional silencers with additional separate catalysts installed.

EPA Certificate Number

Upon certification by the EPA, a Certificate Number is assigned by the EPA.

Emissions Actuals - Grams/bhp-hr

Actual exhaust emission data for Total Hydrocarbons (THC), Nitrogen Oxides (NOx) and Carbon Monoxide (CO) that were submitted to EPA and are official data of record for certification. This data can be used for permitting if necessary. Values are expressed in grams per brake horsepower-hour; to convert to grams/kW-hr, multiply by 1.341. Please see advisory notes below for further information.

California Units, SCAQMD CEP Number

A separate low-emissions option is available on many Generac gaseous-fueled generator sets to comply with the more stringent South Coast Air Quality Management District requirements that are recognized in certain areas in California. Gensets that include this option are also EPA Certified.

General Advisory Note to Dealers

The information provided here is 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.

Advisory Notes on Emissions Actuals

- The stated values are actual exhaust emission test measurements obtained from units representative of the generator types and engines described.
- Values are official data of record as submitted to the EPA and SCAQMD for certification purposes. Testing was conducted in accordance with prevailing EPA protocols, which are typically accepted by SCAQMD and other regional authorities.
- No emission values provided are to be construed as guarantees of emissions levels for any given Generac generator unit.
- Generac Power Systems reserves the right to revise this information without prior notice.
- Consult state and local regulatory agencies for specific permitting requirements.
- The emissions 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 must be consulted by the permit applicant/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 generator set.
- The emission values provided are the result of multi-mode, weighted scale testing in accordance with EPA testing regulations, and may not be representative of any specific load point.
- The emission values provided are not to be construed as emission limits.

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**2015 Model Year Certificate of
Conformity with the Clean Air Act for
SG300**