GAS ENGINES

Siemens Gas Engines and Gensets

1,200/1,500/1,800 rpm

Industrial-Irrigation

Reliable Horsepower Since 1955

GAS ENGINES

SFGLD 180 & SFGLD 240

Engine Parameters	English Units	Metric Units	SFGLD 180						SFGLD 240					
Speed	**rpm**		**1,200**		**1,500**		**1,800**		**1,200**		**1,500**		**1,800**	
Engine power [2]	bhp	kWb	338	(252)	422	(315)	469	(350)	449	(335)	562	(419)	607	(453)
Cylinder arrangement			In Line 6						In Line 8					
Mean effective pressure	psi	bar	203	(14.0)	203	(14.0)	188	(13.0)	203	(14.0)	203	(14.0)	183	(12.6)
Bore	inch	mm	5.98	(152)	5.98	(152)	5.98	(152)	5.98	(152)	5.98	(152)	5.98	(152)
Stroke	inch	mm	6.50	(165)	6.50	(165)	6.50	(165)	6.50	(165)	6.50	(165)	6.50	(165)
Displacement	cu.in	Litres	1,095	(18.0)	1,095	(18.0)	1,095	(18.0)	1,460	(24.0)	1,460	(24.0)	1,460	(24.0)
Mean piston speed	in/s	m/s	260	(6.6)	325	(8.3)	390	(9.9)	260	(6.6)	325	(8.3)	390	(9.9)
Compression ratio			11.6:1						11.6:1					
Combustion air mass flow [2]	lbs/hr	kg/h	2,813	(1,276)	3,486	(1,581)	3,869	(1,755)	3,497	(1,586)	4,581	(2,078)	4,581	(2,078)
Packaged ventilation air flow [3]	scfm	m^3/h	10,383	(17,640)	12,978	(22,050)	14,420	(24,500)	13,802	(23,450)	17,263	(29,330)	18,664	(31,710)
Engine coolant capacity [4]	gal.	Litres	13	(50)	13	(50)	13	(50)	16	(60)	16	(60)	16	(60)
Lube oil capacity [4]	gal.	Litres	19	(70)	19	(70)	19	(70)	25	(95)	25	(95)	25	(95)
Lube oil consumption [5]	lbs/bhp.hr	g/kWh	0.00058	(0.35)	0.00058	(0.35)	0.00058	(0.35)	0.00058	(0.35)	0.00058	(0.35)	0.00058	(0.35)
Energy Balance														
Generator efficiency [6]	%	%	96.1		96.4		96.1		96.2		96.6		96.2	
Electrical power [6] [7]	kWe	kW	242		304		336		322		405		436	
Jacket (HT) water heat	Btu x 1,000/hr	kW	495.1	(145)	652.2	(191)	689.7	(202)	764.8	(224)	904.8	(265)	1,089.2	(319)
Oil (HT) cooler water heat	Btu x 1,000/hr		116.1	(34)	116.1	(34)	126.3	(37)	140.0	(41)	157.1	(46)	181.0	(53)
Intercooler (LT) water heat	Btu x 1,000/hr	kW	129.7	(38)	136.6	(40)	215.1	(63)	153.6	(45)	204.9	(60)	235.6	(69)
Exhaust heat - cooled to 120 °C	Btu x 1,000/hr	kW	331.2	(97)	450.7	(132)	566.8	(166)	495.1	(145)	604.4	(177)	710.2	(208)
Engine radiation heat	Btu x 1,000/hr	kW	37.6	(11)	54.6	(16)	54.6	(16)	51.2	(15)	71.7	(21)	71.7	(21)
Generator radiation heat	Btu x 1,000/hr	kW	33.6	(10)	38.7	(11)	46.6	(14)	43.5	(13)	48.6	(14)	58.8	(17)
Fuel consumption	Btu x 1,000/hr	kW	2,106.7	(617)	2,656.4	(778)	3,035.4	(889)	2,919.3	(855)	3,595.4	(1,053)	4,059.7	(1,189)
Mechanical efficiency	%		40.8		40.5		39.4		39.2		39.8		38.1	
Electrical efficiency	%		39.2		39.0		37.8		37.7		38.4		36.7	
Thermal efficiency	%		45.4		46.7		48.5		48.4		47.7		50.1	
Total efficiency	%		84.6		85.7		86.3		86.1		86.1		86.8	
System Parameters														
Jacket (HT) water temperature max.	°F	°C	194	(90)	194	(90)	194	(90)	194	(90)	194	(90)	194	(90)
Jacket (HT) water flow rate min.	gpm	m3/hr	88	(20)	110	(25)	132	(30)	110	(25)	132	(30)	176	(40)
Intercooler stages			Single						Single					
Intercooler (LT) coolant temperature max.	°F	°C	131	(55)	131	(55)	131	(55)	131	(55)	131	(55)	131	(55)
Intercooler (LT) coolant flow rate min.	gpm	m3/hr	66/132	15/30	66/132	15/30	88/132	20/30	66/132	15/30	88/132	20/30	110/132	25/30
Exhaust manifold type			Wet						Wet					
Exhaust temperature	°F	°C	662	(350)	702	(372)	761	(405)	743	(395)	709	(376)	788	(420)
Exhaust mass flow wet	lbs/hr	kg/h	2,912	(1,321)	3,611	(1,638)	4,012	(1,820)	3,635	(1,649)	4,751	(2,155)	4,775	(2,166)
Exhaust back-pressure max.	psi	mbar	0.65	(45)	0.65	(45)	0.65	(45)	0.65	(45)	0.65	(45)	0.65	(45)
Maximum pressure loss in front of air cleaner	psi	mbar	0.073	(5)	0.073	(5)	0.073	(5)	0.073	(5)	0.073	(5)	0.073	(5)
Fuel pressure range	psi	mbar	0.73 - 3.48 (50 - 240)						0.73 - 3.48 (50 - 240)					
Starter battery 2x12 V, capacity required	Ampere-hour		220						220					
Emissions														
NOx	g/bhp.hr		< 2		< 1.1		< 2		< 2		< 1.1		< 2	
CO	g/bhp.hr		< 1.8		< 1.8		< 1.8		< 1.8		< 1.8		< 1.8	
THC (in C1base)	g/bhp.hr		< 3.5		< 3.5		< 3.5		< 3.5		< 3.5		< 3.5	
NMHC (in C1 base)	g/bhp.hr		< 0.7		< 0.7		< 0.7		< 0.7		< 0.7		< 0.7	

1) For other MN consult Siemens
2) Engine performance data acc. to ISO 3046/1 (LHV 38,500 KJ/m_n^3 - 970 Btu SCF) for performance on alternate gases consult the engineering team
3) Assumes intake air flow at delta T = 5ºC including combustion air
4) Not Including pipes and heat exchangers
5) Mean lube oil consumption between maintenance step
6) At 60 Hz, U = 0.48 kV, power factor = 1
7) At 50 Hz, U = 0.4 kV, power factor = 1
8) With a tolerance of + 5 %
9) Lower emission engines are available; consult Siemens for performance data

* Heat included with the jacket water heat

- Data is for continuous rating, at sea level, and at an ambient temperature of 77ºF (25ºC)
- Data for special gas and dual gas operation available on request
- The values given in this data sheet are for information purposes only and not binding

HGM 240 & HGM 560

Engine Parameters	English Units	Metric Units	HGM 240				HGM560					
Speed	**rpm**		**1,500**		**1,800**		**1,200**		**1,500**		**1,800**	
Engine power [2]	bhp	kWb	697	(520)	697	(520)	1,395	(1,040)	1,663	(1,240)	1,810	(1,350)
Cylinder arrangement			In Line 8				V16					
Mean effective pressure	psi	bar	252	(17.4)	210	(14.5)	268	(18.5)	256	(17.6)	232	(16.0)
Bore	inch	mm	5.98	(152)	5.98	(152)	6.30	(160)	6.30	(160)	6.30	(160)
Stroke	inch	mm	6.50	(165)	6.50	(165)	6.89	(175)	6.89	(175)	6.89	(175)
Displacement	cu.in	Litres	1,460	(24.0)	1,460	(24.0)	3,436	(56.3)	3,436	(56.3)	3,436	(56.3)
Mean piston speed	in/s	m/s	325	(8.3)	390	(9.9)	276	(7.0)	344	(8.8)	413	(10.5)
Compression ratio			11.8 : 1				11.9 : 1					
Combustion air mass flow [2]	lbs/hr	kg/h	4,828	(2,190)	5,736	(2,602)	11,025	(5,001)	13,470	(6,110)	14,233	(6,456)
Packaged ventilation air flow [3]	scfm	m^3/h	21,424	(36,400)	21,424	(36,400)	42,849	(72,800)	51,089	(86,800)	55,621	(94,500)
Engine coolant capacity [4]	gal.	Litres	21	(80)	21	(80)	69	(260)	69	(260)	69	(260)
Lube oil capacity [4]	gal.	Litres	45	(170)	45	(170)	111	(419)	111	(419)	111	(419)
Lube oil consumption [5]	lbs/bhp.hr	g/kWh	0.00058	(0.35)	0.00058	(0.35)	0.00033	(0.20)	0.00033	(0.20)	0.00033	(0.20)
Energy Balance												
Generator efficiency [6]	%	%	96.6		96.6		96.8		97.1		96.9	
Electrical power [6] [7]	kWe	kW	502		502		1,007		1,204		1,308	
Jacket (HT) water heat	Btu x 1,000/hr	kW	850.2	(249)	713.6	(209)	1,724.3	(505)	2,134.0	(625)	2,045.2	(599)
Oil (HT) cooler water heat	Btu x 1,000/hr		*	*	*	*	392.7	(115)	464.4	(136)	491.7	(144)
Intercooler (LT) water heat	Btu x 1,000/hr	kW	280.0	(82)	344.9	(101)	194.6	(57)	276.6	(81)	273.2	(80)
Exhaust heat - cooled to 120 °C	Btu x 1,000/hr	kW	846.8	(248)	1,068.7	(313)	1,635.5	(479)	1,990.6	(583)	2,581.3	(756)
Engine radiation heat	Btu x 1,000/hr	kW	95.6	(28)	136.6	(40)	218.5	(64)	221.9	(65)	280.0	(82)
Generator radiation heat	Btu x 1,000/hr	kW	60.4	(18)	60.4	(18)	113.6	(33)	122.8	(36)	142.9	(42)
Fuel consumption	Btu x 1,000/hr	kW	4,083.6	(1,196)	4,319.2	(1,265)	8,252.7	(2,417)	9,976.9	(2,922)	10,973.9	(3,214)
Mechanical efficiency	%		43.5		41.1		43.0		42.4		42.0	
Electrical efficiency	%		42.0		39.7		41.7		41.2		40.7	
Thermal efficiency	%		48.4		49.2		43.1		44.1		44.6	
Total efficiency	%		90.4		89.0		84.7		85.3		85.4	
System Parameters												
Jacket (HT) water temperature max.	°F	°C	194	(90)	194	(90)	194	(90)	194	(90)	194	(90)
Jacket (HT) water flow rate min.	gpm	m3/hr	198	(45)	198	(45)	242	(55)	308	(70)	352	(80)
Intercooler stages			Single				Double					
Intercooler (LT) coolant temperature max.	°F	°C	131	(55)	131	(55)	131	(55)	131	(55)	131	(55)
Intercooler (LT) coolant flow rate min.	gpm	m3/hr	97/132	22/30	97/132	22/30	53/132	12/30	92/132	21/30	110/132	25/30
Exhaust manifold type			Dry				Dry					
Exhaust temperature	°F	°C	860	(460)	901	(483)	768	(409)	766	(408)	883	(473)
Exhaust mass flow wet	lbs/hr	kg/h	5,027	(2,280)	5,941	(2,695)	11,416	(5,178)	13,955	(6,330)	14,753	(6,692)
Exhaust backpressure max.	psi	mbar	0.65	(45)	0.65	(45)	0.65	(45)	0.65	(45)	0.65	(45)
Maximum pressure loss in front of air cleaner	psi	mbar	0.073	(5)	0.073	(5)	0.073	(5)	0.073	(5)	0.073	(5)
Fuel pressure range	psi	mbar	0.73 - 3.48 (50 - 240)				0.73 - 3.48 (50 - 240)					
Starter battery 2x12 V, capacity required	Ampere-hour		220				220					
Emissions												
NOx	g/bhp.hr		< 1.1		< 1		< 2		< 1.1		< 2	
CO	g/bhp.hr		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2	
THC (in C1base)	g/bhp.hr		< 3.5		< 3.5		< 3.5		< 3.5		< 3.5	
NMHC (in C1 base)	g/bhp.hr		< 0.7		< 0.7		< 0.7		< 0.7		< 0.7	

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SFGLD 360 & SFGLD 480

Engine Parameters	English Units	Metric Units	SFGLD 360						SFGLD 480					
Speed	**rpm**		**1,200**		**1,500**		**1,800**		**1,200**		**1,500**		**1,800**	
Engine power [2]	bhp	kWb	675	(503)	845	(630)	939	(700)	898	(670)	1,124	(838)	1,215	(906)
Cylinder arrangement			V12						V16					
Mean effective pressure	psi	bar	203	(14.0)	203	(14.0)	188	(13.0)	203	(14.0)	203	(14.0)	183	(12.6)
Bore	inch	mm	5.98	(152)	5.98	(152)	5.98	(152)	5.98	(152)	5.98	(152)	5.98	(152)
Stroke	inch	mm	6.50	(165)	6.50	(165)	6.50	(165)	6.50	(165)	6.50	(165)	6.50	(165)
Displacement	cu.in	Litres	2,191	(35.9)	2,191	(35.9)	2,191	(35.9)	2,921	(47.9)	2,921	(47.9)	2,921	(47.9)
Mean piston speed	in/s	m/s	260	(6.6)	325	(8.3)	390	(9.9)	260	(6.6)	325	(8.3)	390	(9.9)
Compression ratio			11.6:1						11.6:1					
Combustion air mass flow [2]	lbs/hr	kg/h	5,340	(2,422)	7,035	(3,191)	7,670	(3,479)	7,260	(3,293)	9,178	(4,163)	9,515	(4,316)
Packaged ventilation air flow [3]	scfm	m^3/h	20,724	(35,210)	25,956	(44,100)	28,840	(49,000)	27,604	(46,900)	34,526	(58,660)	37,328	(63,420)
Engine coolant capacity [4]	gal.	Litres	48	(180)	48	(180)	48	(180)	53	(200)	53	(200)	53	(200)
Lube oil capacity [4]	gal.	Litres	40	(150)	40	(150)	40	(150)	52	(195)	52	(195)	52	(195)
Lube oil consumption [5]	lbs/bhp.hr	g/kWh	0.00058	(0.35)	0.00058	(0.35)	0.00058	(0.35)	0.00058	(0.35)	0.00058	(0.35)	0.00058	(0.35)
Energy Balance														
Generator efficiency [6]	%	%	96.7		96.7		96.6		96.8		97		96.5	
Electrical power [6] [7]	kWe	kW	486		609		676		649		813		874	
Jacket (HT) water heat	Btu x 1,000/hr	kW	1,256.5	(368)	1,533.1	(449)	1,683.3	(493)	1,772.1	(519)	2,062.3	(604)	2,455.0	(719)
Oil (HT) cooler water heat	Btu x 1,000/hr		221.9	(65)	239.0	(70)	269.7	(79)	259.5	(76)	300.5	(88)	303.9	(89)
Intercooler (LT) water heat	Btu x 1,000/hr	kW	88.8	(26)	99.0	(29)	129.7	(38)	112.7	(33)	160.5	(47)	167.3	(49)
Exhaust heat - cooled to 120 °C	Btu x 1,000/hr	kW	641.9	(188)	901.4	(264)	1,109.7	(325)	1,017.5	(298)	1,215.5	(356)	1,570.6	(460)
Engine radiation heat	Btu x 1,000/hr	kW	58.0	(17)	92.2	(27)	99.0	(29)	68.3	(20)	112.7	(33)	99.0	(29)
Generator radiation heat	Btu x 1,000/hr	kW	56.7	(17)	71.0	(21)	81.3	(24)	73.2	(21)	85.8	(25)	108.3	(32)
Fuel consumption	Btu x 1,000/hr	kW	4,244.1	(1,243)	5,360.6	(1,570)	6,057.2	(1,774)	5,872.8	(1,720)	7,160.0	(2,097)	8,153.6	(2,388)
Mechanical efficiency	%		40.5		40.1		39.5		39.0		40.0		37.9	
Electrical efficiency	%		39.1		38.8		38.1		37.7		38.8		36.6	
Thermal efficiency	%		46.8		47.3		48.3		49.4		48.0		51.4	
Total efficiency	%		86.0		86.1		86.4		87.1		86.8		88.0	
System Parameters														
Jacket (HT) water temperature max.	°F	°C	194	(90)	194	(90)	194	(90)	194	(90)	194	(90)	194	(90)
Jacket (HT) water flow rate min.	gpm	m3/hr	176	(40)	220	(50)	264	(60)	220	(50)	264	(60)	352	(80)
Intercooler stages			Double						Double					
Intercooler (LT) coolant temperature max.	°F	°C	131	(55)	131	(55)	131	(55)	131	(55)	131	(55)	131	(55)
Intercooler (LT) coolant flow rate min.	gpm	m3/hr	66/132	15/30	101/132	23/30	110/132	25/30	79/132	18/30	101/132	23/30	110/132	25/30
Exhaust manifold type			Wet						Wet					
Exhaust temperature	°F	°C	667	(353)	698	(370)	756	(402)	739	(393)	712	(378)	824	(440)
Exhaust mass flow wet	lbs/hr	kg/h	5,542	(2,514)	7,291	(3,307)	7,956	(3,609)	7,538	(3,419)	9,517	(4,317)	9,899	(4,490)
Exhaust backpressure max.	psi	mbar	0.65	(45)	0.65	(45)	0.65	(45)	0.65	(45)	0.65	(45)	0.65	(45)
Maximum pressure loss in front of air cleaner	psi	mbar	0.073	(5)	0.073	(5)	0.073	(5)	0.073	(5)	0.073	(5)	0.073	(5)
Fuel pressure range	psi	mbar	0.73 - 3.48 (50 - 240)						0.73 - 3.48 (50 - 240)					
Starter battery 2x12 V, capacity required	Ampere-hour		220						220					
Emissions														
NOx	g/bhp.hr		< 2		< 1.1		< 2		< 2		< 1.1		< 2	
CO	g/bhp.hr		< 1.8		< 1.8		< 1.8		< 1.8		< 1.8		< 1.8	
THC (in C1base)	g/bhp.hr		< 3.5		< 3.5		< 3.5		< 3.5		< 3.5		< 3.5	
NMHC (in C1 base)	g/bhp.hr		< 0.7		< 0.7		< 0.7		< 0.7		< 0.7		< 0.7	

Speed	1,200/1,500/1,800 rpm
Generator frequency	50/60 Hz
Applicable gas types [2]	Natural gas, biogas, landfill gas, sewage gas, flare gas, other special gases
Minimum methane number [1]	75

SFGLD 560 & SFGM 560

Engine Parameters	English Units	Metric Units	SFGLD560						SFGM 560			
Speed	**rpm**		**1,200**		**1,500**		**1,800**		**1,500**		**1,800**	
Engine power [2]	bhp	kWb	1,057	(788)	1,321	(985)	1,431	(1067)	1,415	(1,055)	1,475	(1,100)
Cylinder arrangement			V16						V16			
Mean effective pressure	psi	bar	203	(14.0)	203	(14.0)	183	(12.6)	217	(15.0)	189	(13.0)
Bore	inch	mm	6.30	(160)	6.30	(160)	6.30	(160)	6.30	(160)	6.30	(160)
Stroke	inch	mm	6.89	(175)	6.89	(175)	6.89	(175)	6.89	(175)	6.89	(175)
Displacement	cu.in	Litres	3,436	(56.3)	3,436	(56.3)	3,436	(56.3)	3,436	(56.3)	3,436	(56.3)
Mean piston speed	in/s	m/s	276	(7.0)	344	(8.8)	413	(10.5)	344	(8.8)	413	(10.5)
Compression ratio			11.6 : 1						12.3 : 1		12.3 : 1	
Combustion air mass flow [2]	lbs/hr	kg/h	8,274	(3,753)	10,816	(4,906)	11,640	(5,280)	10,986	(4,983)	11,021	(4,999)
Packaged ventilation air flow [3]	scfm	m³/h	32,466	(55,160)	40,582	(68,950)	43,961	(74,690)	43,467	(73,850)	45,321	(77,000)
Engine coolant capacity [4]	gal.	Litres	53	(200)	53	(200)	53	(200)	53	(200)	53	(200)
Lube oil capacity [4]	gal.	Litres	61	(232)	61	(232)	61	(232)	71.5	(272)	71.5	(272)
Lube oil consumption [5]	lbs/bhp.hr	g/kWh	0.00033	(0.20)	0.00033	(0.20)	0.00033	(0.20)	0.00033	(0.20)	0.00033	(0.20)
Energy Balance												
Generator efficiency [6]	%	%	96.7		97.2		96.3		97.2		96.8	
Electrical power [6] [7]	kWe	kW	762		957		1,028		1025		1065	
Jacket (HT) water heat	Btu x 1,000/hr	kW	1,946.2	(570)	2,420.8	(709)	2,577.9	(755)	1,789.2	(524)	2,014.5	(590)
Oil (HT) cooler water heat	Btu x 1,000/hr		293.6	(86)	341.4	(100)	372.2	(109)	392.7	(115)	341.4	(100)
Intercooler (LT) water heat	Btu x 1,000/hr	kW	133.2	(39)	170.7	(50)	170.7	(50)	218.5	(64)	239.0	(70)
Exhaust heat - cooled to 120 °C	Btu x 1,000/hr	kW	1,038.0	(304)	1,444.3	(423)	1,946.2	(570)	2,123.8	(622)	2,338.9	(685)
Engine radiation heat	Btu x 1,000/hr	kW	109.3	(32)	119.5	(35)	129.7	(38)	170.7	(50)	184.4	(54)
Generator radiation heat	Btu x 1,000/hr	kW	88.8	(26)	94.2	(28)	134.8	(39)	100.9	(30)	120.2	(35)
Fuel consumption	Btu x 1,000/hr	kW	6,613.7	(1,937)	8,385.8	(2,456)	9,406.7	(2,755)	8,833.1	(2,587)	9,413.6	(2,757)
Mechanical efficiency	%		40.7		40.1		38.7		40.8		39.9	
Electrical efficiency	%		39.3		39.0		37.3		39.6		38.6	
Thermal efficiency	%		47.1		48.1		49.9		46.8		48.8	
Total efficiency	%		86.5		87.1		87.2		86.4		87.4	
System Parameters												
Jacket (HT) water temperature max.	°F	°C	194	(90)	194	(90)	194	(90)	194	(90)	194	(90)
Jacket (HT) water flow rate min.	gpm	m3/hr	264	(60)	308	(70)	352	(80)	308	(70)	330	(75)
Intercooler stages			Double						Double			
Intercooler (LT) coolant temperature max.	°F	°C	131	(55)	131	(55)	131	(55)	131	(55)	131	(55)
Intercooler (LT) coolant flow rate min.	gpm	m3/hr	75/132	17/30	110/132	25/30	110/132	25/30	110/132	25/30	110/132	25/30
Exhaust manifold type			Dry						Dry			
Exhaust temperature	°F	°C	687	(364)	716	(380)	851	(455)	925	(496)	990	(532)
Exhaust mass flow wet	lbs/hr	kg/h	8,587	(3,895)	11,213	(5,086)	12,081	(5,480)	11,404	(5,173)	11,466	(5,201)
Exhaust backpressure max.	psi	mbar	0.65	(45)	0.65	(45)	0.65	(45)	0.65	(45)	0.65	(45)
Maximum pressure loss in front of air cleaner	psi	mbar	0.073	(5)	0.073	(5)	0.073	(5)	0.073	(5)	0.073	(5)
Fuel pressure range	psi	mbar	0.73 - 3.48 (50 - 240)						0.73 - 3.48 (50 - 240)			
Starter battery 2x12 V, capacity required	Ampere-hour		280						220			
Emissions												
NOx	g/bhp.hr		< 2		< 1.1		< 2		< 1.1		< 2	
CO	g/bhp.hr		< 1.8		< 1.8		< 1.8		< 2.2		< 2.2	
THC (in C1base)	g/bhp.hr		< 3.5		< 3.5		< 3.5		< 3.5		< 3.5	
NMHC (in C1 base)	g/bhp.hr		< 0.7		< 0.7		< 0.7		< 0.7		< 0.7	

Notes: SFGLD560 @1800rpm data listed is preliminary and subject to change without notice.

GAS ENGINES

Dimensions and other data

Engine Dimensions	English Units	Metric Units	SFGLD 180		SFGLD 240		SFGLD 360		SFGLD 480		SFGLD 560		SFGM 560		HGM 240		HGM 560	
Width	in.	mm	59.3	(1,507)	57.4	(1,459)	65.5	(1,664)	65.5	(1,664)	65.7	(1,669)	65.7	(1,669)	72.3	(1,837)	97.3	(2,473)
Length	in.	mm	91.0	(2,312)	107.6	(2,734)	101.8	(2,588)	135.5	(3,443)	133.2	(3,385)	142.5	(3,621)	111.8	(2,842)	159.0	(4,041)
Height	in.	mm	74.2	(1,885)	75.3	(1,914)	88.8	(2,258)	89.4	(2,273)	89.3	(2,270)	89.1	(2,264)	61.2	(1,557)	85.8	(2,181)
Dry weight	lb	kg	5,952	(2,700)	7,716	(3,500)	9,259	(4,200)	12,015	(5,450)	12,787	(5,800)	12,787	(5,800)	9,259	(4,200)	16,535	(7,500)

Genset Dimensions	English Units	Metric Units	SFGLD 180		SFGLD 240		SFGLD 360		SFGLD 480		SFGLD 560		SFGM 560		HGM 240		HGM 560	
Width	in.	mm	57.7	(1,467)	58.7	(1,492)	68.3	(1,736)	68.3	(1,736)	68.3	(1,736)	68.3	(1,736)	75.3	(1,913)	97.3	(2,473)
Length	in.	mm	109.4	(2,781)	128.8	(3,273)	140.9	(3,579)	167.9	(4,265)	170.5	(4,331)	174.3	(4,428)	155.5	(3,952)	219.1	(5,567)
Height	in.	mm	81.2	(2,064)	84.6	2,151)	93.3	(2,372)	95.9	(2,437)	90.0	(2,287)	96.3	(2,447)	68.4	(1,738)	92.2	(2,342)
Dry weight	lb	kg	8,818	(4,000)	10,891	(4,940)	15,939	(7,230)	20,338	(9,225)	22,046	(10,000)	22,046	(10,000)	12,500	(5,670)	25,871	(11,735)

Noise emissions* 60 Hz (1,200 rpm)

Engine Noise dB(A)	HZ (Frec. Band)	SFGLD 180			SFGLD 240			SFGLD 360			SFGLD 480			SFGLD 560		SFGM 560		HGM 240		HGM 560		
		1,200	1,500	1,800	1,200	1,500	1,800	1,200	1,500	1,800	1,200	1,500	1,800	1,200	1,500	1,500	1,800	1,500	1,800	1,200	1,500	1,800
	125	--	--	--	59	72	70	--	70	--	66	73	70	71	76	76	73	73	67	71	73	70
	250	70	73	76	73	82	86	69	81	74	70	83	84	79	92	92	87	83	77	77	83	84
	500	82	83	88	79	87	84	76	86	90	76	88	84	81	89	89	85	85	80	79	85	82
	1,000	84	87	91	85	90	89	82	88	85	81	90	88	83	89	89	87	88	88	81	88	86
	2,000	81	84	87	83	89	87	83	86	87	80	89	89	84	89	89	91	92	91	88	92	92
	4,000	76	79	83	77	86	83	79	80	82	73	82	83	79	85	85	86	89	87	83	89	88
	LpA, å dB(A)	**88**	**90**	**94**	**88**	**95**	**94**	**87**	**92**	**93**	**85**	**95**	**93**	**89**	**97**	**97**	**95**	**96**	**94**	**90**	**96**	**95**

Exhaust Noise dB(A)	HZ	SFGLD 180			SFGLD 240			SFGLD 360			SFGLD 480			SFGLD 560		SFGM 560		HGM 240		HGM 560		
	63	94	97	99	96	99	101	96	100	102	94	98	99	98	102	102	103	100	102	99	102	103
	125	106	118	128	109	121	131	109	121	131	111	124	127	109	121	121	125	121	131	109	122	125
	250	106	124	128	113	127	131	113	126	131	112	125	114	112	125	125	135	129	133	115	128	136
	500	112	113	120	115	116	123	115	119	126	119	124	130	117	122	122	127	116	122	116	122	127
	1,000	108	112	115	111	115	118	112	117	119	116	121	123	113	118	118	120	116	119	114	119	121
	2,000	109	110	112	113	114	116	113	115	116	117	119	119	113	115	115	116	115	117	114	117	117
	4,000	109	106	105	112	109	108	114	110	110	116	111	112	114	109	109	112	112	110	116	112	113
	LpA, å dB(A)	**117**	**126**	**132**	**120**	**128**	**135**	**121**	**129**	**135**	**124**	**130**	**136**	**121**	**129**	**129**	**136**	**130**	**136**	**122**	**130**	**137**

Notes: Data obtained according to ISO 9614-2 • Data obtained @ 1 m from engine according to UNE-EN ISO-11203:1996 • Maximum data standard deviations = ± 4 dB(A)

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Garden City, Kansas USA 67846
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