

2008 guardian competitive matrix

8 kW Comparison

	GENERAC	B & S	Kohler	Onan	Coleman	Winco
Brand	GENERAC	B & S	Kohler	Onan	Coleman	Winco
Model	5501	40222	8.5RES	NO OFFERING	NO OFFERING	PSS8B4W
Rated Power (LPG/NG)	8/7 kW	7/6 k w	8.5/7 kW			8/7.2 kW
Voltage (Single Phase)	120/240V	120/240V	120/240V			120/240V
Frequency regulation	+/- 0.5%	Unknown	+/- 0.5%			+/- 3%
Total Harmonic Distortion	Less than 5%	Unknown	Less than 5%			Less than 5%
Engine/Alternator RPM	3600/3600	3600/3600	3600/3600			3600/3600
Engine	Generac OHVI 410cc Single Cyl.	B & S Intek 504cc	Kohler 624cc V-Twin			B & S Vanguard 480cc V-Twin
Horsepower	14.8		15.4			16
Fuel Consumption						
LPG cu ft/hr (gal/hr)	62 (1.68)	34.2 (0.94)*	72 (1.98)			58 (1.6)
NG cu ft/hr	139	81*	132			132
EPA/CARB Certified	YES	YES	YES			YES
Control Panel	Digital LED	Digital LED readout	Digital LED single line			Auto/off/test switch, hour meter
Whisper-Test Low Speed Mode	No	No	No			No
db(A) at exercise	62	77 ²	65			68
db(A) at normal operating load	62	77 ²	65			70
Automatic Transfer Switch	100 Amp	50 Amp	Not included			Not included
Circuits Protected	8 ¹	12	NA			NA
Governor	Mechanical	Mechanical	Digital Electronic			Digital Electronic
Enclosure	steel	steel	steel			aluminum
Dimensions (L" x W" x H)	48 x 25 x 29	30.5 x 22.5 x 32.5	48 x 24 x 28.25	30.5 x 27.3 x 27.4		
Generator Weight (lbs.)	336	255	400	365		
Transfer Switch Weight (lbs.)	62 ¹	Unknown	NA	NA		
Warranty	3 Yr Ltd	2 Yr Ltd	5 Yr Ltd	2 Yr Engine 1 Yr Generator		

Included items	Prewired conduits ¹ , flex fuel line, composite pad	Battery, synth oil, Composite pad	Comp pad
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*Fuel consumption listed at 1/2 load

¹With pre-packaged Guardian model

²Sound level listed at 1/2 load

Generac: Better value, lower sound output, superior corrosion resistance with galvaneel process versus other steel enclosures.

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10 kW Comparison

	GENERAC	B & S	Kohler	Onan	Coleman	Winco
Brand	GENERAC	B & S	Kohler	Onan	Coleman	Winco
Model	5502	40243	12RES	12GSAA-6707	PM400911	PSS12H4W
Rated Power (LPG/NG)	10/9 kW	10/9 kW	12/10.4 kW	12/10.5 kW	9.5/8 kW	12/10 kW
Voltage (Single Phase)	120/240V	120/240V	120/240V	120/240V	120/240V	120/240V
Frequency regulation	+/- 0.5%	Unknown	+/- 0.5%	+/- 0.5%	+/- 5%	+/- 3%
Total Harmonic Distortion	Less than 5%	Unknown	Less than 5%	Less than 5%	Less than 5%	Less than 5%
Engine/Alternator RPM	3600/3600	3600/3600	3600/3600	3600/3600	3600/3600	3600/3600
Engine	Generac OHVI 530cc V-Twin	B & S Intek 570cc V-Twin	Kohler 725cc V-Twin	Suburu 720cc V-Twin	Honda 620cc V-Twin	Honda 670cc V-Twin
Horsepower	18		23.6		20	24
Fuel Consumption						
LPG cu ft/hr (gal/hr)	70 (1.93)	34.2 (0.94)*	81 (2.22)	86 (2.42)	79 (2.1)	80 (2.2)
NG cu ft/hr	156	84*	193	191	176	195
EPA/CARB Certified	YES	YES	YES	YES	YES	YES
Control Panel	Digital LCD 2 Line Display	Basic LED	Digital LED single line	Digital basic w/ wired in home LCD panel	Digital basic w/ out display	Auto/off/test switch, hour meter
Whisper-Test Low Speed Mode	No	No	No	No		No
db(A) at exercise	63	72 ²	65	64	68	66
db(A) at normal operating load	63	72 ²	65	64	68	69
Automatic Transfer Switch	100 Amp ¹	Not included	Not included	Not included	Not included	Not included
Circuits Protected	10 ¹	NA	NA	NA	NA	NA
Governor	Digital Electronic	Mechanical	Digital Electronic	Digital Electronic	Mechanical	Digital Electronic
Enclosure	steel	steel	steel	aluminum	steel	aluminum
Dimensions (L" x W" x H)	48 x 25 x 29	30.5 x 22.5 x 32.5	48 x 24 x 28.25	53 x 41 x 32	42.5 x 33 x 26.5	37.9 x 30.8 x 30.9
Generator Weight (lbs.)	375	300	400	460	476	504
Transfer Switch Weight (lbs.)	72 ¹	Unknown	NA	NA	NA	NA
Warranty	3 Yr Ltd	2 Yr Ltd	5 Yr Ltd	2 Yr Ltd	3 Yr / 1500 Hr	2 Yr Engine 1 Yr Generator

Included items	Prewired conduits ¹ , flex fuel line, composite pad	Battery, synth oil, Composite pad	Comp pad	Wired remote LCD panel, comp pad, flex fuel line	Aluminum enclosure available
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*Fuel consumption listed at 1/2 load

¹With pre-packaged Guardian model

²Sound level listed at 1/2 load

Generac: Better value, better fuel economy, lower sound output, superior corrosion resistance with galvaneel process versus other steel enclosures. Also includes external main circuit breaker and system status LED.

Onan: Dressed up model as their only entry in the air-cooled market

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14 kW Comparison

	GENERAC	B & S	Kohler	Onan	Coleman	Winco
Brand	GENERAC	B & S	Kohler	Onan	Coleman	Winco
Model	5503	40236	NO OFFERING	NO OFFERING	P120401	PSS15B4W
Rated Power (LPG/NG)	14/13 kW	15/14 k w			12/10.2 kW	15/12 kW
Voltage (Single Phase)	120/240V	120/240V			120/240V	120/240V
Frequency regulation	+/- 0.5%	Unknown			+/- 5%	+/- 3%
Total Harmonic Distortion	Less than 5%	Unknown			Less than 5%	Less than 5%
Engine/Alternator RPM	3600/3600	3600/3600			3600/3600	3600/3600
Engine	Generac OHVI 992cc V-Twin	B & S Vanguard 895cc V-Twin			Suburu 720cc V-Twin	B & S Vanguard 895cc V-Twin
Horsepower	32				25	31
Fuel Consumption						
LPG cu ft/hr (gal/hr)	84 (2.30)	65.6 (1.8)*			80 (2.2)	107.7 (2.96)
NG cu ft/hr	220	139.6*			186	260
EPA/CARB Certified	YES	YES			YES	YES
Control Panel	Digital LCD 2 Line Display	Digital basic w/ wired in home LCD panel			Digital basic w/ out display	Auto/off/test switch, hour meter
Whisper-Test Low Speed Mode	No	No			No	No
db(A) at exercise	66	65 ²			68	67
db(A) at normal operating load	66	65 ²			68	72.5
Automatic Transfer Switch	100 Amp ¹	100 Amp			100 Amp	Not included
Circuits Protected	14 ¹	NA			12	NA
Governor	Digital Electronic	Mechanical			Mechanical	Digital Electronic
Enclosure	steel	steel			steel, alum option	steel
Dimensions (L" x W" x H)	48 x 25 x 29	48 x 33 x 30.5	47.1 x 29.1 x 30.6	44.1 x 33.2 x 38.1		
Generator Weight (lbs.)	425.5	480	460	725		
Transfer Switch Weight (lbs.)	78 ¹	Unknown	Unknown	NA		
Warranty	3 Yr Ltd	4 Yr Ltd	3 Yr / 1500 Hr	2 Yr Engine 1 Yr Generator		

Included items

Prewired conduits¹, flex fuel line, composite pad

Battery, synth oil, Composite pad

Prewired conduits, composite pad

*Fuel consumption listed at 1/2 load

¹With pre-packaged Guardian model

²Sound level listed at 1/2 load

Generac: Better value, tighter frequency regulation, superior corrosion resistance with galvaneel process versus other steel enclosures. Also includes external main circuit breaker and system status LED.

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17 kW Comparison

	GENERAC	B & S	Kohler	Onan	Coleman	Winco
Brand	GENERAC		Kohler	Onan	Coleman	Winco
Model	5504 / 5505		17RES			
Rated Power (LPG/NG)	17/16 kW		17/16 kW			
Voltage (Single Phase)	120/240V		120/240V			
Frequency regulation	+/- 0.5%		+/- 0.5%			
Total Harmonic Distortion	Less than 5%		Less than 5%			
Engine/Alternator RPM	3600/3600		3600/3600			
Engine	Generac OHVI 992cc V-Twin		Kohler 999cc V-Twin			
Horsepower	32		29.1			
Fuel Consumption						
LPG cu ft/hr (gal/hr)	94 (2.57)		112 (3.07)			
NG cu ft/hr	261		242			
EPA/CARB Certified	YES		YES			
Control Panel	Digital LCD 2 Line Display		Digital LED single line			
Whisper-Test Low Speed Mode	Yes		No			
db(A) at exercise	60		68			
db(A) at normal operating load	66		68			
Automatic Transfer Switch	100 Amp ¹		Not included			
Circuits Protected	16 ¹		NA			
Governor	Digital Electronic		Digital Electronic			
Enclosure	steel/alum		steel			
Dimensions (L" x W" x H)	48 x 25 x 29		47.2 x 28.1 x 31.6			
Generator Weight (lbs.)	445 / 414		500			
Transfer Switch Weight (lbs.)	80 ¹		NA			
Warranty	3 Yr Ltd		5 Yr Ltd			

NO OFFERING

NO OFFERING

NO OFFERING

NO OFFERING

Included items Prewired
 conduits¹, flex
 fuel line,
 composite pad

Comp pad

¹With pre-packaged Guardian model

Generac: Better value, better fuel economy, lower sound output, superior corrosion resistance with galvaneel process versus other steel enclosures. Also includes external main circuit breaker, duplex GFCI, system status and maintenance interval LEDs. Aluminum enclosure model available.

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20 kW Comparison

	GENERAC	B & S	Kohler	Onan	Coleman	Winco
Brand	5506	40226 / 40228	NO OFFERING	NO OFFERING	NO OFFERING	NO OFFERING
Model LP/NG	5506	40226 / 40228				
Rated Power (LPG/NG)	20/18 kW	20/18 kW				
Voltage (Single Phase)	120/240V	120/240V				
Frequency regulation	+/- 0.5%	Unknown				
Total Harmonic Distortion	Less than 5%	Unknown				
Engine/Alternator RPM	3600/3600	3600/3600				
Engine	Generac OHVI 999cc V-Twin	B & S Vanguard 993cc V-Twin				
Horsepower	36					
Fuel Consumption						
LPG cu ft/hr (gal/hr)	106 (2.90)	70.9 (1.95)*				
NG cu ft/hr	294	160*				
EPA/CARB Certified	YES	YES				
Control Panel	Digital LCD 2 Line Display	Digital basic w/ wired in home LCD panel				
Whisper-Test Low Speed Mode	Yes	No				
db(A) at exercise	60	68 ¹				
db(A) at normal operating load	66	68 ¹				
Automatic Transfer Switch	200 Amp ^{**1}	100 Amp				
Circuits Protected	16 Priority, plus balance of 200 amp distribution panel ¹	NA				
Governor	Digital Electronic	Mechanical				
Enclosure	aluminum	steel				
Dimensions (L" x W" x H)	48 x 25 x 29	48.7 x 33.7 x 31.6				
Generator Weight (lbs.)	451	613				
Transfer Switch Weight (lbs.)	70 ¹	Unknown				
Warranty	3 Yr Ltd	4 Yr Ltd				

Included items

Prewired conduits ¹ , flex fuel line, composite pad and base trim fascia	Battery, synth oil, Composite pad
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** Load shedding service entrance rated switch (NEMA 3R, Outdoor rated)

¹With pre-packaged Guardian model

²Sound level listed at 1/2 load

Generac: Better value, lower sound output, superior corrosion resistance with galvaneel process. Also includes external main circuit breaker, duplex GFCI, system status and maintenance interval LEDs.

Briggs & Stratton has separate models for LP and NG, are louder, consume more fuel and when equipped, offer a 100 amp transfer switch.

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