

LIQUID-COOLED GENERATORS

Model	
Rated Power (kW - 60 Hz)	
Rated Amps @ 60 Hz	120/240, 1ø, 1.0 pf 120/208, 3ø, 0.8 pf 120/240, 3ø, 0.8 pf 277/480, 3ø, 0.8 pf
Engine	
Engine RPM	
Compatible Automatic Transfer Switch	
Fuel Consumption @ 100% rated power	
LPG cu.ft./hr. (gal/hr)	
NG cu.ft./hr.	
Dimension (L" x W" x H")	
Unit Weight (steel/aluminum) lbs.	



AIR-COOLED GENERATORS Manufactured after May 2013

Model Number Unbundled / Bundled	6561 / 6518 6519	6245 / 6237	6439 / 6437 / 6438*	6459 / 6461 6462 / 6721	6730 / 6724*	6730 / 6729	6551 / 6552
Model Name	7 kW	8 kW	11 kW	16 Kw	20 Kw	20 kW	22 kW
Rated Power LP/NG kW	7 / 6	8 / 7	11/ 10	16 / 16	20 / 18	20 / 18	22 / 19.5
Voltage (single phase)	240	240	240	240	240	240	240
Amps@240VAC LPG Amps@240VAC NG	29.1 25	33.3 29.2	41.6 37.5	66.6 66.6	70.8 66.6	83.3 75	91.6 81.3
Generac OHVI® Engine	432cc	410cc	530cc	992cc	999cc	999cc	999cc
Fuel Consumption @ full load LPG cu.ft./hr. (gal/hr) NG cu.ft./hr.	47.2 (1.3) 177,000	52 (1.42) 121	70 (1.93) 195	130 (3.58) 312	140 (3.85) 3108	140 (3.85) 308	127 (3.68) 281
Dimension (L" x W" x H")	24 x 30 x 33	48 x 25 x 29	48 x 25 x 29	48 x 25 x 29	48 x 25 x 29	48 x 25 x 29	48 x 25 x 29
Unit Weight (lbs.)	250	340	387	513	516	516	526
QuietTest™	NA	NA	NA	Included	Included	Included	Included
Enclosure	Composite	Steel	Steel	Steel	Steel	Aluminum	Aluminum

* Includes 200 Amp Smart Switch; other bundled models include EZ Switch.

LIQUID PROPANE PIPE RUN LENGTH LP / NG (kW:Feet)

Diameter	
7/6, 8/7 kW	
11 / 10 kW	
14 / 14 kW	
17 / 16 kW	
20 / 18 kW	
22 / 22 kW	
QT25 / 25 kW	
27 / 25 kW	
30 / 30 kW	
36 / 35 kW	
45 / 45 kW	
48 / 46 kW	
60 / 60 kW	
70 / 67 kW	
80 / 80 kW	
100 / 94 kW	
130 / 122 kW	
150 / 142 kW	

Distances include 3 elbows and 2 Ts

LIQUID PROPANE
7 – 150 kW
Required fuel pressure is 11 – 14" w/c

FORMULAS
Cubic ft./hour X 2500
Liquid Propane BTU rating

VAPOR WITHDRAWAL / LP FUEL TANK SIZING

Tank Capacity Total (Gal.)	Tank Capacity Useable (Gal.)	Minimum Temp (°F)	Tank Capacity (btu/hr.)	Length"	Diameter"	Overall Ht."
120	72	40	246,240	57	24	33
		20	164,160			
		0	82,080			
150	90	40	293,760	68	24	33
		20	195,840			
		0	97,920			
250	150	40	507,600	94	30	39
		20	338,400			
		0	169,200			
325	195	40	642,600	119	30	39
		20	428,400			
		0	214,200			
500	300	40	792,540	119	37	46
		20	528,360			
		0	264,180			
850	510	40	1,217,700	165	41	50
		20	811,800			
		0	405,900			
1000	600	40	1,416,960	192	41	50
		20	944,640			
		0	472,320			

Note: Tank BTU capacity and generator run times based upon maintaining a minimum tank fuel level of 20%.

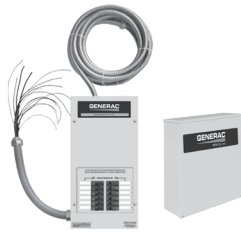
NATURAL GAS PIPE RUN LENGTH LP / NG (kW:Feet) (6-7"wc)

Diameter	
7/6, 8/7 kW	
11 / 10 kW	
14 / 14 kW	
16 / 16 kW	
20 / 22 kW	
QT22 / 22 kW	
25 / 25 kW	
27 / 25 kW	
30 / 30 kW	
36 / 35 kW	
45 / 45 kW	
48 / 48 kW	
60 / 60 kW	
70 / 67 kW	
80 / 80 kW	
100 / 194 kW	
130 / 122 kW	
150 / 142 kW	

Distances include 3 elbows and 2 Ts

NATURAL GAS
7 – 22 kW
Required fuel pressure is 3.5 – 7" w/c
QT22 – 60 kW
Required fuel pressure is 5 – 14" w/c
70 – 150 kW
Required fuel pressure is 11 – 14" w/c

FORMULAS
Cubic ft./hour X 1000
Natural Gas BTU rating



NATURAL GAS 3.5" TO 5" OF WATER COLUMN (table values are maximum pipe run in feet)

kW	Pipe Size (inches)			
	0.75"	1"	1.25"	1.5"
7 – 8	20	60	175	
11		30	125	200
13 – 14		20	80	175
15 – 17		10	60	125
20 – 22		10	60	125

AIR CONDITIONING & HEAT PUMP AMPERAGES – Starting/Running

Tonage (BTUs)		
Hp		
Starting Load – LRA	Starting kW	
	240 Vac 1ø	
	208 Vac 3ø	
	480 Vac 3ø	
Running Load – RLA	Running kW	
	240 Vac 1ø	
	208 Vac 3ø	
	480 Vac 3ø	



Values based upon a reciprocating compressor. These values are estimates. Always verify the amperage draw from the data plate.

Description	Non-Motor Load Reference		
	kW	Amps at 120V 1ø	Amps at 240V 1ø
Electric heat per 1000 ft. ²	12	N/A	50
Heat pump elements per 1000 ft. ²	7	N/A	29
Dryer	5.5	N/A	23
Hot tub	10	N/A	50
Range oven	5	N/A	21
Hot water	4.5	N/A	19
Stove top per burner	1.5	N/A	6
Lighting and receptacles per 1000 ft. ²	3	24.9	N/A
Blow dryer	1.25	10.4	N/A
Dishwasher	1.5	12.5	N/A
Microwave	1	8.3	N/A
Toasters	1	8.3	N/A

Description	hp	Motor Load Reference					
		Running Load			Starting Load		
		Running kW	Amps at 120V 1ø	Amps at 240V 1ø	Starting kW	LR Amps at 120V 1ø	LR Amps at 240V 1ø
Refrigerator, sump pump, furnace, garage opener	0.5	0.5	4.9	2.5	1.5	25	13
Freezer, washer, septic grinder	0.75	0.75	7.4	3.7	2.3	38	19
General 1 hp	1	1	9.8	4.9	3	50	25
Well & septic lift pump	2	2	19.6	9.8	6	100	50

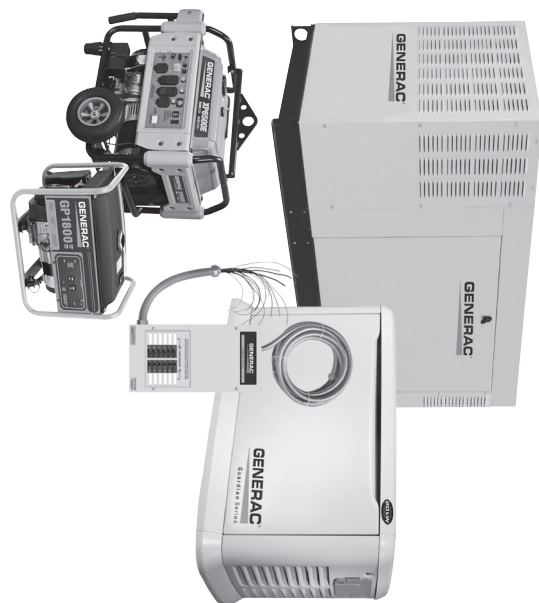
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PORTABLES
 AUTOMATIC STANDBY GENERATORS
 TRANSFER SWITCHES

LIGHT INDUSTRIAL

COMMERCIAL

RESIDENTIAL



REFERENCE CHARTS AND SPECIFICATIONS



