

**TABLE 6**

## LP VAPOR (LPV) TANK SIZING Vapor Withdrawal

Tank Capacity Total (Gal.)	Tank Capacity Useable (Gal.)	Minimum Temp (°F)	Tank Capacity (btu/hr.)	Length (Inches)	Diameter (Inches)	Overall Ht. (Inches)
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			

**TABLE 7**

## GENERATOR FUEL CONSUMPTION

Generator kW Rating		Fuel Consumption at 100% BTU/HR			Fuel Consumption at 50% BTU/HR		
LP Vapor	Nat. Gas	LP Vapor		Nat. Gas	LP Vapor		Nat. Gas
		BTU/HR	GAL/HR	BTU/HR	BTU/HR	GAL/HR	BTU/HR
7.5	6	115,000	1.26	117,000	90,000	1	85,000
9	8	125,000	1.37	121,000	79,000	0.87	90,000
11	10	179,000	1.97	159,000	107,000	1.18	111,000
15 ECO	15 ECO	261,000	2.87	281,000	120,000	1.32	134,000
16	16	267,000	2.94	309,000	229,000	2.52	218,000
20	18	324,000	3.56	301,000	216,000	2.52	204,000
20 VSCF	18 VSCF	311,000	3.42	285,000	149,000	1.64	174,000
22	19.5	352,000	3.87	310,000	233,000	2.56	216,000
RG22	22	324,000	3.6	324,000	196,500	2.2	207,000
RG25	25	188,000	2.1	221,000	112,500	1.2	140,000
RG27	25	372,500	4.1	396,000	226,000	2.6	233,000
RG30	30	188,000	2.1	221,000	112,500	1.2	140,000
RG32	32	415,000	4.6	381,000	238,000	2.6	219,000
RG36	36	578,000	6.4	626,000	448,000	5	332,000
RG38	38	480,000	5.3	444,000	270,000	3	260,000
RG45	45	774,000	8.6	836,000	445,000	4.9	501,000
RG48	48	780,000	8.6	638,000	378,000	4.2	425,000
RG60	60	1,000,000	11	1,051,000	580,000	6.4	611,000
QT70	67	1,028,000	11.4	1,020,000	496,000	5.46	500,000
QT80	80	1,163,000	12.8	1,253,000	603,000	6.7	785,000
QT100	94	1,268,000	14	1,260,000	718,000	7.9	713,000
QT130	122	1,798,000	19.8	1,786,000	933,000	10.3	927,000
QT150	142	2,080,000	22.9	2,061,000	1,080,000	11.9	1,070,000

## Gas Required for Common Appliances

APPLIANCE	Approximate Input BTU / Hr
Warm Air Furnace Single Family Multifamily, per unit	60,000–120,000 40,000–60,000
Hydronic Boiler, Space Heating Single Family Multifamily, per unit	80,000–140,000 50,000–80,000
Hydronic Boiler, Space and Water Heating Single Family Multifamily, per unit	100,000–200,000 50,000–100,000
Range, Free Standing, Domestic Built-In Oven or Broiler Unit, Domestic Built-In Top Unit, Domestic	50,000–90,000 14,000–16,000 40,000–85,000
Water Heater, Automatic Storage, 30 to 40 gal. Tank Water Heater, Automatic Storage, 50 gal. Tank Water Heater, Automatic Storage, Instantaneous	25,000–50,000 30,000–55,000 115,000–125,000 125,000–150,000 155,000–200,000
2.5 GPM 3 GPM 4 GPM Water Heater, Domestic, Circulating or Side-Arm	
Refrigerator Clothes Dryer, Type 1 (Domestic) Gas Fireplace Direct Vent Gas log Barbecue Gas light	1,500–2,000 18,000–22,000 20,000–90,000 35,000–90,000 40,000–80,000 1,400–2,800

Note: Tank BTU capacity and generator run times based upon maintaining a minimum tank fuel level of 20%. Tanks are typically filled to 80% full.

Note: Typical fuel consumption based on a generator 100% loaded.

### Operating Cost Per Hour

$$= \text{NG Therms/HR} \times \text{Cost of NG Therm}$$