

This chart approximates the fuel consumption of a diesel generator based on the size of the generator and the load at which the generator is operating. Please note that this table is intended as an estimate of how much fuel a generator uses during operation and is not an exact representation due to various factors that can increase or decrease the amount of fuel consumed.

Size (kVA)	Size (HP)	Size (kW)	1/4 Load (Note: U.S. Gallons)								1/2 Load (Note: U.S. Gallons)								3/4 Load (Note: U.S. Gallons)								Full Load (Note: U.S. Gallons)							
Kv	HP	Kw	1 Hour in gallons	1 Hour in liters	24 Hours in gallons	24 Hours in liters	1 Week (168 hours) in gallons	1 Week (168 hours) in liters	1 Month (722.4 hours) in gallons	1 Month (722.4 hours) in liters	1 Hour in gallons	1 Hour in liters	1 Day (24 hours) in gallons	1 Day (24 hours) in liters	1 Week (168 hours) in gallons	1 Week (168 hours) in liters	1 Month (722.4 hours) in gallons	1 Month (722.4 hours) in liters	1 Hour in gallons	1 Hour in liters	1 Day (24 hours) in gallons	1 Day (24 hours) in liters	1 Week (168 hours) in gallons	1 Week (168 hours) in liters	1 Month (722.4 hours) in gallons	1 Month (722.4 hours) in liters	1 Hour in gallons	1 Hour in liters	1 Day (24 hours) in gallons	1 Day (24 hours) in liters	1 Week (168 hours) in gallons	1 Week (168 hours) in liters	1 Month (722.4 hours) in gallons	1 Month (722.4 hours) in liters
25.00	26.80	20.00	0.60	2.27	14.00	52.92	101.00	381.78	433.00	1,636.74	0.90	3.40	22.00	83.16	151.00	570.78	650.00	2,457.00	1.30	4.91	31.00	117.18	218.00	824.04	939.00	3,549.42	1.60	6.05	38.00	143.64	269.00	1,016.82	1,156.00	4,369.68
38.00	40.20	30.00	1.30	4.91	31.00	117.18	208.00	786.24	939.00	3,549.42	1.80	6.80	43.00	162.54	302.00	1,141.56	1,300.00	4,914.00	2.40	9.07	58.00	219.24	403.00	1,523.34	1,734.00	6,554.52	2.90	10.96	70.00	264.60	487.00	1,840.86	2,095.00	7,919.10
50.00	53.60	40.00	1.60	6.05	38.00	143.64	269.00	1,016.82	1,156.00	4,369.68	2.30	8.69	55.00	207.90	386.00	1,459.08	1,662.00	6,282.36	3.20	12.10	77.00	291.06	538.00	2,033.64	2,312.00	8,739.36	4.00	15.12	96.00	362.88	672.00	2,540.16	2,890.00	10,924.20
75.00	80.40	60.00	1.80	6.80	43.00	162.54	302.00	1,141.56	1,300.00	4,914.00	2.90	10.96	70.00	264.60	487.00	1,840.86	2,095.00	7,919.10	3.80	14.36	91.00	343.98	638.00	2,411.64	2,745.00	10,376.10	4.80	18.14	115.00	434.70	806.00	3,046.68	3,468.00	13,109.04
94.00	100.50	75.00	2.40	9.07	58.00	219.24	403.00	1,523.34	1,734.00	6,554.52	3.40	12.85	82.00	309.96	571.00	2,158.38	2,456.00	9,283.68	4.60	17.39	110.00	415.80	773.00	2,921.94	3,323.00	12,560.94	6.10	23.06	146.00	551.88	1,025.00	3,874.50	4,407.00	16,658.46
125.00	134.00	100.00	2.60	9.83	62.00	234.36	437.00	1,651.86	1,878.00	7,098.84	4.10	15.50	98.00	370.44	689.00	2,604.42	2,962.00	11,196.36	5.80	21.92	139.00	525.42	974.00	3,681.72	4,190.00	15,838.20	7.40	27.97	178.00	672.84	1,243.00	4,698.54	5,346.00	20,207.88
156.00	167.50	125.00	3.10	11.72	74.00	279.72	521.00	1,969.38	2,239.00	8,463.42	5.00	18.90	120.00	453.60	840.00	3,175.20	3,612.00	13,653.36	7.10	26.84	170.00	642.60	1,193.00	4,509.54	5,129.00	19,387.62	9.10	34.40	218.00	824.04	1,529.00	5,779.62	6,574.00	24,849.72
168.00	180.90	135.00	3.30	12.47	79.00	298.62	554.00	2,094.12	2,384.00	9,011.52	5.40	20.41	130.00	491.40	907.00	3,428.46	3,901.00	14,745.78	7.60	28.73	182.00	687.96	1,277.00	4,827.06	5,490.00	20,752.20	9.80	37.04	235.00	888.30	1,646.00	6,221.88	7,080.00	26,762.40
188.00	201.00	150.00	3.60	13.61	86.00	325.08	605.00	2,286.90	2,601.00	9,831.78	5.90	22.30	142.00	536.76	991.00	3,745.98	4,262.00	16,110.36	8.40	31.75	202.00	763.56	1,411.00	5,333.58	6,068.00	22,937.04	10.90	41.20	262.00	990.36	1,831.00	6,921.18	7,874.00	29,763.72
219.00	234.50	175.00	4.10	15.50	98.00	370.44	689.00	2,604.42	2,962.00	11,196.36	6.80	25.70	163.00	616.14	1,142.00	4,316.76	4,912.00	18,567.36	9.70	36.67	233.00	880.74	1,630.00	6,161.40	7,007.00	26,486.46	12.70	48.01	305.00	1,152.90	2,134.00	8,066.52	9,174.00	34,677.72
250.00	268.00	200.00	4.70	17.77	113.00	427.14	790.00	2,986.20	3,395.00	12,833.10	7.70	29.11	185.00	699.30	1,294.00	4,891.32	5,562.00	21,024.36	11.00	41.58	264.00	997.92	1,848.00	6,985.44	7,946.00	30,035.88	14.40	54.43	346.00	1,307.88	2,419.00	9,143.82	10,403.00	39,323.34
288.00	308.20	230.00	5.30	20.03	127.00	480.06	890.00	3,364.20	3,829.00	14,473.62	8.80	33.26	211.00	797.58	1,478.00	5,586.84	6,357.00	24,029.46	12.50	47.25	300.00	1,134.00	2,100.00	7,938.00	9,030.00	34,133.40	16.60	62.75	398.00	1,504.44	2,789.00	10,542.42	11,992.00	45,329.76
313.00	335.00	250.00	5.70	21.55	137.00	517.86	958.00	3,621.24	4,118.00	15,566.04	9.50	35.91	228.00	861.84	1,596.00	6,032.88	6,863.00	25,942.14	13.60	51.41	326.00	1,232.28	2,285.00	8,637.30	9,825.00	37,138.50	18.00	68.04	432.00	1,632.96	3,024.00	11,430.72	13,003.00	49,151.34
375.00	402.00	300.00	6.80	25.70	163.00	616.14	1,142.00	4,316.76	4,912.00	18,567.36	11.30	42.71	271.00	1,024.38	1,898.00	7,174.44	8,163.00	30,856.14	16.10	60.86	386.00	1,459.08	2,705.00	10,224.90	11,631.00	43,965.18	21.50	81.27	516.00	1,950.48	3,612.00	13,653.36	15,532.00	58,710.96
438.00	469.00	350.00	7.90	29.86	190.00	718.20	1,327.00	5,016.06	5,707.00	21,572.46	13.10	49.52	314.00	1,186.92	2,201.00	8,319.78	9,463.00	35,770.14	18.70	70.69	449.00	1,697.22	3,142.00	11,876.76	13,509.00	51,064.02	25.10	94.88	602.00	2,275.56	4,217.00	15,940.26	18,132.00	68,538.96
500.00	536.00	400.00	8.90	33.64	214.00	808.92	1,495.00	5,651.10	6,429.00	24,301.62	14.90	56.32	358.00	1,353.24	2,503.00	9,461.34	10,764.00	40,687.92	21.30	80.51	511.00	1,931.58	3,578.00	13,524.84	15,387.00	58,162.86	28.60	108.11	686.00	2,593.08	4,805.00	18,162.90	20,661.00	78,098.58
625.00	670.00	500.00	11.00	41.58	264.00	997.92	1,848.00	6,985.44	7,946.00	30,035.88	18.50	69.93	444.00	1,678.32	3,108.00	11,748.24	13,364.00	50,515.92	26.40	99.79	634.00	2,396.52	4,435.00	16,764.30	19,071.00	72,088.38	35.70	134.95	857.00	3,239.46	5,998.00	22,672.44	25,790.00	97,486.20
750.00	804.00	600.00	13.20	49.90	317.00	1,198.26	2,218.00	8,384.04	9,536.00	36,046.08	22.00	83.16	528.00	1,995.84	3,696.00	13,970.88	15,893.00	60,075.54	31.50	119.07	756.00	2,857.68	5,292.00	20,003.76	22,756.00	86,017.68	42.80	161.78	1,027.00	3,882.06	7,190.00	27,178.20	30,919.00	116,873.82
938.00	1,005.00	750.00	16.30	61.61	391.00	1,477.98	2,738.00	10,349.64	11,775.00	44,509.50	27.40	103.57	658.00	2,487.24	4,603.00	17,399.34	19,794.00	74,821.32	39.30	148.55	943.00	3,564.54	6,602.00	24,955.56	28,390.00	107,314.20	53.40	201.85	1,282.00	4,845.96	8,971.00	33,910.38	38,576.00	145,817.28
1,250.00	1,340.00	1,000.00	21.60	81.65	518.00	1,958.04	3,629.00	13,717.62	15,604.00	58,983.12	36.40	137.59	874.00	3,303.72	6,115.00	23,114.70	26,295.00	99,395.10	52.10	196.94	1,250.00	4,725.00	8,753.00	33,086.34	37,637.00	142,267.86	71.10	268.76	1,706.00	6,448.68	11,945.00	45,152.10	51,363.00	194,152.14
1,563.00	1,675.00	1,250.00	26.90	101.68	646.00	2,441.88	4,519.00	17,081.82	19,433.00	73,456.74	45.30	171.23	1,087.00	4,108.86	7,610.00	28,765.80	32,725.00	123,700.50	65.00	245.70	1,560.00	5,896.80	10,920.00	41,277.60	46,956.00	177,493.68	88.80	335.66	2,131.00	8,055.18	14,918.00	56,390.04	64,149.00	242,483.22
1,875.00	2,010.00	1,500.00	32.20	121.72	773.00	2,921.94	5,410.00	20,449.80	23,261.00	87,926.58	54.30	205.25	1,303.00	4,925.34	9,122.00	34,481.16	39,226.00	148,274.28	77.80	294.08	1,867.00	7,057.26	13,070.00	49,404.60	56,203.00	212,447.34	106.50	402.57	2,556.00	9,661.68	17,892.00	67,631.76	76,936.00	290,818.08
2,188.00	2,345.00	1,750.00	37.50	141.75	900.00	3,402.00	6,300.00	23,814.00	27,090.00	102,400.20	63.20	238.90	1,517.00	5,734.26	10,618.00	40,136.04	45,656.00	172,579.68	90.70	342.85	2,177.00	8,229.06	15,238.00	57,599.64	65,522.00	247,673.16	124.20	469.48	2,981.00	11,268.18	20,866.00	78,873.48	89,722.00	339,149.16
2,500.00	2,680.00	2,000.00	42.80	161.78	1,027.00	3,882.06	7,190.00	27,178.20	30,919.00	116,873.82	72.20	272.92	1,733.00	6,550.74	12,130.00	45,851.40	52,157.00	197,153.46	103.50	391.23	2,484.00	9,389.52	17,388.00	65,726.64	74,768.00	282,623.04	141.90	536.38	3,406.00	12,874.68	23,839.00	90,111.42	102,509.00	387,484.02
2,812.00	3,015.00	2,250.00	48.10	181.82	1,154.00	4,362.12	8,081.00	30,546.18	34,747.00	131,343.66	81.10	306.56	1,946.00	7,355.88	13,625.00	51,502.50	58,587.00	221,458.86	116.40	439.99	2,794.00	10,561.32	19,555.00	73,917.90	84,087.00	317,848.86	159.00	601.02	3,816.00	14,424.48	26,712.00	100,971.36	114,862.00	434,178.36