



STEPHENSON'S PRODUCT KNOWLEDGE - PORTABLE POWER



Generators

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Cat Class	Description	Kilowatts			Manufacturer	Model	Horsepower	Max Amps						Fuel Costs				Run Time Hours				# Outlets On Unit				Pony Panel		Sound dba (Full load)	Size - L / W / H	Weight (lbs) - full tank	Delivery Vehicle		
		Stand by	Continuous	Kilo Volt kVA				Main Circuit Breaker	@ 120V, single phase	@ 240V, single phase	@ 208V, 3 phase	@ 240V, 3 phase	@ 480V, 3 phase	@ 600V, 3 phase	Fuel Tank Size litres	Under Full load / hr @ \$1.25 / litre	30 days Single Shift	30 days Triple Shift	@ 100% load	@ 75% load	@ 50% load	@ 25% load	20A, 110V	30A, 120V Outlets	30A, 240V Outlets	50A, 250V Hubble	Receptacles in Pony Panel (off 50Amp Hubble / breaker)						
	032-3201 Generator, 2500-2900 Watt, Gas	2.5	2.3		Wacker	GP 2500A	3.8 hp Honda									11.4	\$2.04	\$489	\$1,466	7					4						23" x 18" x 20"	100	PU
	032-3202 Generator, 5000-6500 Watt, Gas	5.6	5.0		Wacker	GP 5600A	9.5 hp Honda									22	\$4.74	\$1,138	\$3,414	5.8					4	1 (3-prong twist lock)	1 (4-prong twistlock)			40" x 27" x 27" w wheel kit	216 w wheel kit	PU	
	032-3203 Generator, 9700 W, Gas, Elec Start	9.7	8.4		Multiquip	GA97HE A	20 hp Honda									37.8	\$5.91	\$1,418	\$4,253	8					4	1 (3-prong twist lock)	1 x 30A (4 prong / twist), 1 x 20A (3 prong / twist)		79	32" x 21" x 27"	342	PU	
	032-3205 Generator, 3200W, Inverter, Gas	3.2	2.8		Wacker	GPI3200	6.4 hp Honda									13	\$2.14	\$513	\$1,539	7.6					2	1 (3-prong twist lock)			67	20" x 17" x 19"	84	PU	
	190-3214 Generator, Outlet Box, 50A with 50' 240V Cord				Ericson	Oscar 1066FS		50.0																	12		1 x 30A, 250V 3 prong twistlock			23" x 16" x 12"	36 plus cord	PU	
130-3211	Generator, 10kw, Diesel w Outlet Box	11	10	10	Multiquip	DCA10SP XU4	25 hp Kubota	45	41.7 x 2	41.7						62	\$1.21	\$291	\$873	63.9	83	107	141	2	1 (3-prong twist lock)	1 x 30A (3-prong twist lock)	1	6 x 120V outlets & 1 x 30A/125V, 3 prong twistlock	61	104" x 57" x 57"	1,454	PU	
	Generator, 15kw, Diesel w Outlet Box	14.7	14	15	Multiquip	DCA15SP XU4F	25 hp Kubota	70	58.3 x 2	58.3						62	\$1.36	\$327	\$981	56.9	78	97	151	2	1 (3-prong twist lock)	1 x 30A (3-prong twist lock)	1	6 x 120V outlets & 1 x 30A/125V, 3 prong twistlock	64	104" x 57" x 57"	1,769	PU	
130-3215	Generator, 20kw, Diesel w Outlet Box	22	20	25	Multiquip	DCA20SP XU	34 hp Isuzu	90	83 x 2	83						158	\$7.88	\$1,890	\$5,670	25	34	49	72	4			2	6 x 120V outlets & 1 x 30A/240V, 3 prong twistlock	63	109" x 57" x 62"	2,166	PU	
	Generator, 20kw, Diesel w Outlet Box	22	20	25	Multiquip	DCA25US I4	34 hp Isuzu	60	55.6 (4 wire)	27.8 (4 wire)		60	30			158	\$7.65	\$1,836	\$5,508	26	33	44	63	4			2	6 x 120V outlets & 1 x 30A/240V, 3 prong twistlock	65	109" x 57" x 62"	2,166	PU	
	Generator, 20kw, Diesel w Outlet Box	22	21	26	Doosan	G25	31 hp Mitsubishi T4i	80	56 (4 wire)	28 (4 wire)	69	60	30			150	\$8.93	\$2,143	\$6,429	21	27	36	43	4		2	6 x 120V outlets & 1 x 30A/240V, 3 prong twistlock	66	131" x 60" x 67"	2,588	PU		
130-3217	Generator, 30kw, Diesel	31	29	36	Doosan	G40	42 hp Mitsubishi T4i	70	78 (4 wire)	39 (4 wire)	97	84	42			200	\$11.90	\$2,857	\$8,571	21	28	39	74	4		1 x 30A 3-prong twistlock	2	6 x 120V outlets & 1 x 30A/240V, 3 prong twistlock	66	144" x 67" x 68"	3,508	PU	
	Generator, 30kw, Diesel w Outlet Box & 600V Transformer	40	36	45	Multiquip	DCA45US I4	67 hp Isuzu IT4	125	100 (4 wire)	50 (4 wire)		108	54	42		300	\$13.00	\$3,120	\$9,360	29	38	54	88	4		3	6 x 120V outlets & 1 x 30A/240V, 3 prong twistlock	58	145" x 62" x 76"	3,600	PU		
130-3218	Generator, 60kw, Diesel w Outlet Box & 600V Transformer	62	56	70	Multiquip	DCA70US I3	98 hp Isuzu	175	155 (4 wire)	78 (4 wire)		168	84	65		390	\$19.25	\$4,620	\$13,860	25	33	48	81	4		3	6 x 120V outlets & 1 x 30A/240V, 3 prong twistlock	68	168" x 72" x 85"	4,864	SA		
	Generator, 60kw, Diesel w Outlet Box & 600V Transformer	69	63	70	Doosan	G70	90 hp Mitsubishi T4	225	161 (4 wire)	81 (4 wire)	201	174	87	67		412	\$20.60	\$4,944	\$14,832	25	32	46	80	4		3	6 x 120V outlets & 1 x 30A/240V, 3 prong twistlock	68	156" x 69" x 83"	~5,000	SA		

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230-3219	Generator, 100 kw, Diesel, 120V-600V step up transformer	110	100	125	Multiquip	DCA125U SI3	170 hp Isuzu	300	278 (4 wire)	139 (4 wire)		300	150	116	640	\$34.50	\$8,280	\$24,840	23	29	42	70	4				3	6 x 120V outlets & 1 x 30A/240V, 3 prong twistlock	65	184" x 80" x 90"	9244	DA
	Generator, 125 kw, Diesel, 120V-600V step up transformer	132	120	150	Multiquip	DCA150U SJ3	197 hp Isuzu	361	333 (4 wire)	166 (4 wire)		361	180	139	810	\$40.75	\$9,780	\$29,340	25	31	42	73	4				3	6 x 120V outlets & 1 x 30A/240V, 3 prong twistlock	63	188" x 83" x 94"	10,621	DA
230-3221	Generator, 240KW, Silent, Diesel, 120-600V	260	240	300	Multiquip	MQP240	399 hp Cummins	800	666 (4 wire)	333 (4 wire)		722	361	278	1137	\$40.75	\$9,780	\$29,340	35	43	58	102	2			3		63	238" x 96" x 104"	12,625	FLOAT	
	Generator, 230 kw, Diesel, Dedicated 600V units only	255	232	290	Doosan	G290	352 hp Cummins T4	1,000						279	1,461	\$86.96	\$20,871	\$62,614	21	25	36	69	n/a	n/a	n/a	n/a		70	221" x 78" x 111"	~12,600	FLOAT	
	Generator, 190 kw, Diesel, Dedicated 600V units only	208	190	239	Doosan	G240	286 hp Deere	700						230	960	\$63.75	\$15,300	\$45,900	19	22	32	62	n/a	n/a	n/a	n/a		69	204" x 76" x 95"	9,678	FLOAT	
230-3222	Generator, 365kW, Diesel, Dedicated 600V units only	402	365	456	Doosan	G450	555 hp Cummins T4							448	2,173	\$122	\$29,365	\$88,095	22	28	39	70	n/a	n/a	n/a	n/a		74	261" x 86" x 120"	~18,871	FLOAT	

Approximate Power Consumption of Selected Electrical Tools (note start-up may draw 1.5 times the running Watts)

Group	Description	Amps	Volts	Watts Req'd
0201	2-3 cfm Compressor	10	120	1,200
0215	4.7 cfm Compressor	15	120	1,800
1413	Concrete Vibrator 2.0 hp	15	120	1,800
1421	Electric Concrete Saw	15	120	1,800
1432	Bartell Scarifier	14	240	3,360
1826	Tile Saw with Stand	14.4	120	1,728
1850	Mini Tile Saw	4.2	120	504
2007	1/2 Impact Drill	6.2	120	744
2012	Dymo Drill	15	120	1,800
2202	MD Roto Hammer	8.8	120	1,056
2203	HD Roto Hammer	14	120	1,680
2205	Demolition Hammer	13.6	120	1,632
2207	Road Breaker	15	120	1,800
2220	LD Roto Hammer	7.8	120	936
2222	LD Demo Hammer	8.8	120	1,056
2601	Belt Sander 3 x 21	6.6	120	792
2602	Belt Sander 3 x 24	10.5	120	1,260
2606	Planer	3.4	120	408
2609	9" Grinder	15	120	1,800
2617	Vibe Sander	4.6	120	552

Group	Description	Amps	Volts	Running Watts Req'd
3009	Dual Disc Grinder	9.5	240	2,280
3011	Floor Maintainer	14	120	1,680
3015	Floor Sander	15	120	1,800
3016	Edger 7"	15	120	1,800
3023	Carpet Cleaner	11.5	120	1,380
3028	5 and 10 gal Vacuum	9.3	120	1,116
3415	Heat Gun	11.6	120	1,392
4830	Porta Light	15	120	1,800
5213	Stucco Sprayer	13.5	120	1,620
5214	Wall Paper Steamer	12.5	120	1,500
6010	Roofers 3/4 Pump	5.6	120	672
6013	2" Sub Pump	6.1	120	732
6019	2" High Lift Sub Pump	11.5	120	1,380
6204	8" Circular Saw	13	120	1,560
6209	Sawsall	9.5	120	1,140
6223	14" Chop Saw	15	120	1,800
6225	Portable Circular Saw 14-16	12	120	1,440
6228	Sliding Compound Mitre Saw	15	120	1,800
7213	Smoke Extractor Small	13.5	120	1,620
7220	Mig Welder 110V	24	120	2,880

Motor Starting Matrix and Suggested Generator

Electric Motor Hp	~Amp Draw 115V, 1 phase	~Amp Draw 230V, 1 phase	~Amp Draw 208V, 3 phase	~Amp Draw 240V, 3 phase	~Amp Draw 480V, 3 phase	Rec. Gen Set Size
0.25	5.8	2.9				2.5-5kW
0.33	7.2	3.6				2.5-5kW
0.5	9.8	4.9	2.2	1.9	1.0	2.5-5kW
0.75	13.8	6.9	3.1	2.7	1.3	2.5-5kW
1	16.0	8.0	4.0	3.4	1.7	2.5-5kW
1.5	20.0	10.0	5.7	5.0	2.5	5kW
2	24.0	12.0	7.5	6.5	3.3	5kW
3	34.0	17.0	10.6	9.2	4.6	5kW
5	56.0	28.0	16.7	14.6	7.3	10kW
7.5	80.0	40.0	24.0	21.0	10.6	10kW
10	100.0	50.0	31.0	26.8	13.4	20kW
15			46.0	40.0	20.0	20kW
20			59.0	52.0	26.0	20kW
25			75.0	65.0	33.0	40kW
30			88.0	77.0	39.0	40kW
40			114.0	100.0	50.0	60kW
50			143.0	125.0	62.0	60kW
60			169.0	148.0	74.0	60kW
75			211.0	184.0	92.0	60kW
100			273.0	238.0	119.0	100kW

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