

ATLAS MARINE SYSTEMS



SHORPOWER VS. ENGINE GENERATOR SET 30Kw TO 145 Kw

COST ESTIMATED APR 2010	30KW	40KW	55KW	65KW	80KW	99KW	130KW	145KW
No. of Cylinders	4	4	4	4	4	6	6	6
Fuel Rate, GPH	2.5	3.25	5.2	6	6.9	7.1	11.1	11.4
Daily Operating Hours	24Hrs. Per Day							
Annual Oper.Hours @ 99%	8544	8544	8544	8544	8544	8544	8544	8544
Fuel Used - Gals.	21360	27768	44429	51264	58954	60662	94838	97402
Fuel Cost Gal. US average	@ \$3.00 /GAL							
	\$64,080	\$83,304	\$133,286	\$153,792	\$176,861	\$181,987	\$284,515	\$292,205
Oil Capacity - Qts.	14	14.3	14.3	14.3	21.6	21.6	34	34
No. Oil Changes	@ 200Hrs.							
	43	43	43	43	43	43	43	43
Annual oil Cost	@ \$12.50 /GAL							
	\$1,881	\$1,922	\$1,922	\$1,922	\$2,903	\$2,884	\$4,539	\$4,539
M & S hours /month	10Hrs.							
M & S Cost	@ \$100.00 /Hr							
	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000
Injector Service	@ \$150.00 /CYL							
	\$600	\$600	\$600	\$600	\$600	\$900	\$900	\$900
Fuel Filters cost/ Per Change	\$130	\$130	\$130	\$130	\$135	\$135	\$135	\$135
Annual Fuel Filters Cost	\$5,554	\$5,554	\$5,554	\$5,554	\$5,767	\$5,767	\$5,767	\$5,767
Oil Filters cost/ per Oil Change	\$30	\$30	\$30	\$30	\$60	\$120	\$120	\$120
Annual Oil Filters Cost	\$1,282	\$1,282	\$1,282	\$1,282	\$2,563	\$5,126	\$5,126	\$5,126
Generator Total Annual Operating Expenditure	\$85,396	\$104,661	\$154,643	\$175,149	\$200,694	\$208,664	\$312,848	\$320,537

<i>Atlas ShorPOWER SPA</i>	37.5 Kva	45 Kva	60 Kva	75 Kva	90 Kva	120 Kva	150 Kva	180 Kva
Monthly dock electric service charge	\$1,500	\$1,650	\$2,250	\$2,700	\$3,000	\$4,350	\$5,430	\$6,510
Annual electric charges	\$18,000	\$19,800	\$27,000	\$32,400	\$36,000	\$52,200	\$65,160	\$78,120

(based on avg \$1.00 per amp per day or 12 cents /kWH)

AT DOCK FULL TIME ON GENS	PAYBACK	9 Months	8 Months	8 Months	8 Months	8 Months	12 Months	9 Months	11 Months
AT DOCK 3/4 TIME	PAYBACK	13 Months	12 Months	12 Months	12 Months	12 Months	16 Months	14 Months	16 Months
AT DOCK 1/2 TIME	PAYBACK	18 Months	17 Months	15 Months	16 Months	17 Months	23 Months	19 Months	22 Months
AT DOCK 1/4 TIME	PAYBACK	35 Months	33 Months	31 Months	33 Months	33 Months	46 Months	37 Months	43 Months