Gas Turbine World

2008 Handbook

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For Project Planning, Engineering, Construction and Operation

Simple Cycle Prices

Equipment-only prices for a single fuel skid-mounted gas turbine, electric generator, air intake with basic filter and silencer, exhaust stack, basic starter and controls, conventional combustion system (unless otherwise designated as DLN or DLE for emissions control). Depending upon equipment scope, geographic location, site specifics, currency fluctuations and competitive market conditions, prices can vary considerably. Prices are quoted FOB the factory in 2006 US dollars.

Model	Frequency	Base Load Rating	Heat Rate Btu/kwh	LHV Efficiency	Budgetary Price	Price per kW
VPS1	(50/60 Hz)	514 kW	15,981	21.4%	$501,000	$975
ST6L-813	(50/60 Hz)	848 kW	13,099	26.1%	$764,000	$901
Makila TI	(50/60 Hz)	1050 kW	12,580	27.1%	$993,000	$945
Saturn 20	(50/60 Hz)	1200 kW	14,025	24.3%	$781,000	$651
M1A-13D	(50/60 Hz)	1475 kW	14,229	24.0%	$1,062,000	$720
KG2-3C	(50/60 Hz)	1499 kW	21,202	16.1%	$1,245,000	$830
KG2-3E	(50/60 Hz)	1895 kW	20,421	16.7%	$1,398,000	$738
ST18A	(50/60 Hz)	1961 kW	11,237	30.4%	$1,352,000	$689
OGT 2500	(50/60 Hz)	2670 kW	12,780	26.7%	$1,469,000	$550
M1T-13D	(50/60 Hz)	2907 kW	14,439	23.6%	$1,576,000	$542
VPS3	(50/60 Hz)	3106 kW	12,675	26.9%	$1,727,000	$556
Centaur 40	(50/60 Hz)	3520 kW	12,240	27.9%	$1,715,000	$487
VPS4	(50/60 Hz)	3568 kW	11,714	29.1%	$1,815,000	$509
501-KB5S	(50/60 Hz)	3897 kW	11,626	29.4%	$1,868,000	$479
ST40	(50/60 Hz)	4039 kW	10,310	33.1%	$2,032,000	$503
OGT4000 SI	(50/60 Hz)	4050 kW	10,065	33.9%	$1,761,000	$435
Mercury 50 Recup	(50/60 Hz)	4600 kW	8865	38.5%	$2,480,000	$539
Centaur 50S	(50/60 Hz)	4600 kW	11,630	29.3%	$2,010,000	$437
SGT-100	(50/60 Hz)	5250 kW	11,203	30.5%	$2,357,000	$449
CX501-KB7	(50/60 Hz)	5344 kW	10,640	32.1%	$2,260,000	$423
M7A-01D	(50/60 Hz)	5381 kW	11,648	29.3%	$2,249,000	$418
TBM-T60	(50/60 Hz)	5499 kW	11,456	29.8%	$2,208,000	$402
M7A-01	(50/60 Hz)	5512 kW	11,530	29.6%	$2,139,000	$388
GE5	(50/60 Hz)	5520 kW	11,130	30.7%	$2,267,000	$411
Taurus 60	(50/60 Hz)	5670 kW	10,830	31.5%	$2,277,000	$402
501-KH5 STIG	(50/60 Hz)	6447 kW	8509	40.1%	$2,863,000	$444
OGT6000	(50/60 Hz)	6500 kW	11,187	30.5%	$2,966,000	$456
M7A-02D	(50/60 Hz)	6721 kW	11,264	30.3%	$2,803,000	$417
SGT-200	(50/60 Hz)	6750 kW	10,824	31.5%	$2,889,000	$428
Taurus 70	(50/60 Hz)	7520 kW	10,100	33.8%	$3,011,000	$400
SGT-300	(50/60 Hz)	7900 kW	10,937	31.2%	$3,315,000	$420
UGT-6000+	(50/60 Hz)	8300 kW	10,300	33.1%	$3,478,000	$419
THM1304-10	(50/60 Hz)	9320 kW	12,170	28.0%	$4,213,000	$452

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Mars 90	(50/60 Hz)	9450 kW	10,710	31.9%	$4,062,000	$430
Mars 100	(50/60 Hz)	10,690 kW	10,520	32.4%	$4,570,000	$428
UGT-10000	(50/60 Hz)	10,700 kW	9440	36.2%	$4,259,000	$398
THM1304-11	(50/60 Hz)	10,760 kW	11,459	29.8%	$4,770,000	$443
GE10/PGT10B	(50/60 Hz)	11,252 kW	10,930	31.2%	$4,925,000	$438
SGT-400	(50/60 Hz)	12,900 kW	9817	34.8%	$5,934,000	$460
LM1600PE	(50/60 Hz)	13,748 kW	9749	35.0%	$6,979,000	$508
Titan 130	(50/60 Hz)	14,256 kW	10,287	33.2%	$5,930,000	$416
MF-111B	(50/60 Hz)	14,570 kW	11,020	31.0%	$6,328,000	$434
UGT-10000 STIG	(50/60 Hz)	16,000 kW	7940	43.0%	$7,039,000	$440
LM1600-STIG	(50/60 Hz)	16,900 kW	8607	39.7%	$9,342,000	$553
SGT-500	(50/60 Hz)	17,000 kW	10,600	32.2%	$6,770,000	$398
UGT-15000	(50/60 Hz)	17,500 kW	9750	35.0%	$5,942,000	$340
L20A	(50/60 Hz)	17,640 kW	9948	34.3%	$6,209,000	$352
LM2000PS	(50/60 Hz)	18,411 kW	9875	34.6%	$8,308,000	$451
UGT-15000+	(50/60 Hz)	20,000 kW	9480	36.0%	$6,881,000	$344
LM2500PE	(50/60 Hz)	22,800 kW	9960	34.3%	$9,986,000	$438
SGT-600	(50/60 Hz)	24,770 kW	9985	34.2%	$9,710,000	$392
UGT-15000 STIG	(50/60 Hz)	25,000 kW	8130	42.0%	$10,950,000	$438
FT8 PowerPac	(50/60 Hz)	25,490 kW	8950	38.1%	$10,580,000	$415
OGT 25000	(50/60 Hz)	25,500 kW	9639	35.4%	$9,818,000	$385
PG5371(PA)	(50/60 Hz)	26,300 kW	11,990	28.5%	$9,547,000	$363
UGT-25000	(50/60 Hz)	26,700 kW	9310	36.7%	$9,036,000	$338
H-25	(50/60 Hz)	27,500 kW	10,097	33.8%	$8,498,000	$309
RB211-6562 DLE	(50/60 Hz)	27,520 kW	9415	36.3%	$10,030,000	$364
SGT-700	(50/60 Hz)	29,060 kW	9480	36.0%	$9,866,000	$339
RB211-6762 DLE	(50/60 Hz)	29,500 kW	9055	37.7%	$11,150,000	$378
MF-221	(50/60 Hz)	30,000 kW	10,670	32.0%	$11,090,000	$370
RB211-6761 DLE	(50/60 Hz)	32,120 kW	8680	39.3%	$11,960,000	$372
LM2500+G4	(50/60 Hz)	34,300 kW	8660	39.4%	$12,010,000	$350
PG6561(B)	(50/60 Hz)	39,620 kW	10,710	31.9%	$11,570,000	$292
PG6581(B)	(50/60 Hz)	42,100 kW	10,642	32.1%	$11,860,000	$282
PG6591(C)	(50/60 Hz)	42,300 kW	9400	36.3%	$13,010,000	$308
LM6000PD	(60 Hz)	42,336 kW	8308	41.1%	$12,490,000	$295
LM6000PC	(60 Hz)	43,417 kW	8112	42.1%	$13,240,000	$305
SGT-800	(50/60 Hz)	45,000 kW	9215	37.0%	$13,550,000	$301
LM6000PD Sprint	(50 Hz)	45,480 kW	8424	40.5%	$13,330,000	$293
LM6000PC Sprint	(60 Hz)	46,784 kW	8095	42.2%	$12,550,000	$268
LM6000PC Sprint wet	(60 Hz)	50,080 kW	8434	40.5%	$14,320,000	$286
Trent 60 DLE	(60 Hz)	51,685 kW	8138	41.9%	$17,080,000	$330
GT8C2	(50/60 Hz)	56,000 kW	10,098	33.8%	$16,350,000	$292
FT8-3 TwinPac	(50/60 Hz)	56,340 kW	8840	38.6%	$16,280,000	$289

Model	Frequency	Base Load Rating	Heat Rate Btu/kwh	LHV Efficiency	Budgetary Price	Price per kW
Trent 60 WLE	(60 Hz)	58,000 kW	8336	40.9%	$15,490,000	$267
SGT-1000F	(50/60 Hz)	67,700 kW	9730	35.1%	$19,230,000	$284
PG6101(FA)	(50/60 Hz)	70,140 kW	9980	34.2%	$20,060,000	$286
PG6111(FA)	(50/60 Hz)	75,900 kW	9760	35.0%	$19,730,000	$260
PG7121(EA)	(60 Hz)	85,100 kW	10,430	32.7%	$19,230,000	$226
GT11NM	(60 Hz)	87,900 kW	10,594	32.2%	$19,780,000	$225
LMS100PA	(50/60 Hz)	102,479 kW	7279	46.9%	$25,930,000	$253
M501	(60 Hz)	113,950 kW	9780	34.9%	$22,790,000	$200
GT11N2	(60 Hz)	115,400 kW	10,150	33.6%	$23,310,000	$202
SGT6-3000E	(60 Hz)	120,500 kW	9840	34.7%	$22,770,000	$189
PG9171(E)	(50 Hz)	123,400 kW	10,100	33.8%	$22,610,000	$183
PG9171(E)	(50 Hz)	126,100 kW	10,100	33.8%	$23,760,000	$188
M701DA	(50 Hz)	144,090 kW	9810	34.8%	$26,840,000	$186
SGT5-2000E	(50 Hz)	157,000 kW	9920	34.4%	$28,430,000	$181
SGT5-2000E	(50 Hz)	163,300 kW	9905	34.5%	$29,400,000	$180
PG7241FA	(60 Hz)	171,700 kW	9360	36.5%	$30,910,000	$180
GT13E2	(50 Hz)	172,200 kW	9376	36.4%	$32,070,000	$186
GT24	(60 Hz)	179,000 kW	9098	37.5%	$33,690,000	$188
M501F	(60 Hz)	185,400 kW	9230	37.0%	$32,630,000	$176
GT24B	(60 Hz)	187,700 kW	9251	36.9%	$34,210,000	$182
SGT5-3000E	(50 Hz)	188,200 kW	9360	36.5%	$32,410,000	$172
SGT6-5000F	(60 Hz)	198,300 kW	8985	38.0%	$35,340,000	$178
PG9331(FA)	(50 Hz)	243,000 kW	9360	36.5%	$43,060,000	$177
M501G	(60 Hz)	253,000 kW	8760	39.0%	$44,830,000	$177
PG9351(FA)	(50 Hz)	255,600 kW	9250	36.9%	$45,300,000	$177
GT26	(50 Hz)	262,000 kW	8930	38.2%	$47,490,000	$181
SGT6-6000G	(60 Hz)	266,300 kW	8685	39.3%	$47,720,000	$179
M501G	(60 Hz)	267,500 kW	8730	39.1%	$46,600,000	$174
PG9371(FB)	(50 Hz)	268,800 kW	9040	37.8%	$47,630,000	$177
SGT5-4000F	(50 Hz)	272,000 kW	8860	38.5%	$49,570,000	$182
M701F	(50 Hz)	278,300 kW	8810	38.7%	$50,160,000	$180
GT26B	(50 Hz)	281,000 kW	8910	38.3%	$50,650,000	$180
M701G	(50 Hz)	334,000 kW	8630	39.5%	$62,220,000	$186