

# Mechanical Drive Specifications

## SIEMENS ENERGY

### AT ISO BASE LOAD

MODEL	POWER RATING ISO Base Load (HP)	POWER RATING ISO Base Load (MWe)	EFFICIENCY %	GROSS HEAT RATE		POWER SHAFT SPEED (RPM)	Pressure Ratio	Exhaust Flow (kg/sec)	Exhaust Temp (°C)
				Lower Heating Value (LHV) (Btu/kWh)					
SGT-750 (DLE)	54,994	41	41	6,121		6,100	24.3	115.4	468
SGT-750 (DLE)	45,595	34	40.4	6,299		6,100	21.9	107.5	439
SGT-700 (DLE)	45,151	33	38.2	6,661		6,500	18.7	95	533
SGT-700 (DLE)	48,511	36	39	6,524		6,500	20.4	98.7	531
SGT-600 (DLE)	33,847	25	34.6	7,344		7,700	14	81.3	543
SGT-400 (DLE)	1,335	15	37.1	6,857		9,500	18.5	44.5	529
SGT-400 (DLE)	1377	13	36.4	6,987		9,500	16.9	39.1	543
SGT-400 (DLE)	1,329	11	36.9	6,894		11,500	16.4	34.3	509
SGT-300 (DLE)	12,317	9	36.0	7,070		11,500	14.1	30.4	504
SGT-300 (DLE)	11,214	8	35.3	7,212		11,500	13.5	29.5	490
SGT-100 (DLE)	7,636	6	33.3	7,606		13,000	14.4	19.4	545
SGT-A35 (GT61)	51,629	39	41.9	6,079		4,850	25	105.4	484
SGT-A35 (GT61)	46,139	34	38.6	6,589		4,850	23	101.0	506
SGT-A35 (GT61) DLE	43,107	32	38.3	6,740		4,850	23	98.1	494
SGT-A35 (GT61)	46,570	35	40.7	6,245		4,850	23	99	486
SGT-A35 (GT61) DLE	45,491	34	40.4	6,293		4,850	22	97.8	487
SGT-A35 (GT62)	43,143	32	39.3	6,473		4,800	22	98.6	481
SGT-A35 (GT62) DLE	43,143	32	39.3	6,473		4,800	22	97.7	485
SGT-600e (DLE)	30,700	27	41.7	6,096		8,000	25	75.8	461

Site conditions: 59°F, 14.7 psia, 60% RH (15°C, 1.013 bar). Values based on Natural Gas Fuel

## SOLAR TURBINES, SAN DIEGO, CALIFORNIA, U.S.A.

### AT ISO BASE LOAD

MODEL	POWER RATING ISO Base Load (HP)	GROSS HEAT RATE		POWER SHAFT SPEED (RPM)	PRESSURE RATIO	NUMBER OF COMBUSTORS	Turbine Inlet Temp. (°C)	Exhaust Flow (kg/sec)	Exhaust Temp (°C)
		Lower Heating Value (LHV) (Btu/kWh)							
Centaur 40	4,700	9125		15,500	10.3	1 (annular)	—	18.9	445
Centaur 50	6,150	8,485		16,500	10.3	1 (annular)	—	18.9	515
Taurus 60	7,700	7,950		13,950	12.2	1 (annular)	—	21.7	510
Taurus 70	11,110	7,190		11,605	16.5	1 (annular)	—	26.8	500
Mars 90	13,220	7,655		9,400	16.3	1 (annular)	—	40.2	465
Mars 100	15,900	7,395		9,500	17.1	1 (annular)	—	42.6	485
Titan 130	23,470	6,800		8,855	16.1	1 (annular)	—	56.2	480
Titan 250	31,900	6,725		7,000	24.1	1 (annular)	—	70.4	460