

# 2022-2023 BASIC SPECIFICATIONS

# GAS TURBINE ENGINES

Manufacturer	Page Reference	Model Number	Type	Fuel	Continuous Output at ISO Conditions		Heat Rate		Pressure Ratio	Mass Flow		Turbine Inlet Temp (°C)	Exhaust Temp (°C)	Output Shaft Speed (r/min)	
			EG=Electric Generator GG=Gas Generator MD=Mechanical Drive MN=Marine Propulsion	L=Liquid G=Gaseous	(bhp)	(kW)	(btu/hph)	(kJ/kWh)		(lb/s)	(kg/s)			min	max
MAN ENERGY SOLUTIONS SE	201, 225	MGT6000	MD	L/G	9250	6900	7480	10590	15	62	28.1	-	460	5400	12600
		MGT6000	MD	L/G	11130	8300	7270	10290	16	66.1	30	-	480	5400	12600
		MGT6000	EG	L/G	8890	6630	7910	11190	15	57.8	26.2	-	505		1500/1800
		MGT6000	EG	L/G	10460	7800	7660	10840	16	64.8	29.4	-	490		1500/1800
SIEMENS ENERGY	*		EG	L/G	2573 to 797,908	1919 to 595,000	<5890 to 14967	<8333 to 21176	4.7 to 24.3	20.9 to 2315	9.5 to 1050		468 to 680	3000 to 17384	1500 / 1800
			MD	L/G	7700 to 54,994	5742 to 41,010	5803 to 7607	8912 to 10832	13.5 to 24.3	43.4 to 254	19.7 to 115		439 to 544	3050 to 6500	5093 to 13,650
SOLAR TURBINES	GAS TURBINE TAB, 249, 257	Titan 250	EG	L/G		23100	8775	9260	24.1	150	68.2		465	1500	1800
		Titan 250	MD	L/G	31900	23790	6725	8880	24.1	155.2	68.2		460		
		Titan 130	EG	L/G		16530	9605	10130	17.1	109.6	49.8		490	1500	1800
		Titan 130 Mobile Power Unit	EG	L/G		16530	9605	10130	17.1	109.6	49.8		490	1500	1800
		Titan 130 Modular Power Plant	EG	L/G		16530	9605	10130	17.1	109.6	49.8		490	1500	1800
		Titan 130	MD	L/G	23470	17500	6800	9940	16.1	123.8	50		480		
		Mars 100	EG	L/G		11350	10365	10935	17.7	93.6	42.6		485	1500	1800
		Mars 100	MD	L/G	15900	11860	7395	10465	17.1	93.8	42.2		485		9500
		Mars 90	EG	L/G		9450	10710	11300	16.3	88.4	40.2		465	1500	1800
		Mars 90	MD	L/G	13220	9860	7655	10830	16.3	88.5	40.2		465		9400
		Taurus 70	EG	L/G		8180	9920	10470	17.6	59.1	26.9		520	1500	1800
		Taurus 70	MD	L/G	11110	8290	7190	10195	16.5	59.1	27.8		500		
		Taurus 65	EG	L/G		6500	10295	10860	15	46.4	21.1		540	1500	1800
		Taurus 60	EG	L/G		5670	10830	11430	9.9	47.9	21.8		510	1500	1800
		Taurus 60 Mobile Power Unit	EG	L/G		5670	10830	11430	9.9	47.9	21.8		510	1500	1800
		Taurus 60 Modular Power Plant	EG	L/G		5670	10830	11430	9.9	47.9	21.8		510	1500	1800
		Taurus 60	MD	L/G	7700	5740	7950	11265	12.2	47.8	21.6		510		13950
		Mercury 50	EG	G		4600	8865	9350	9.9	39.2	17.8		365	1500	1800
		Centaur 50	EG	L/G		4600	11630	12270	10.6	42	19.1		510	1500	1800
		Centaur 50	MD	L/G	6150	4590	8485	12030	10.3	41.6	18.8		515		16500
		Centaur 40	EG	L/G		3515	12240	12910	10.1	41.8	19		445	1500	1800
		Centaur 40	MD	L/G	4700	3500	9125	12905	10.3	41.8	18.9		445		15500
Saturn 20	EG	L/G		1210	14040	14810	6.7	14.4	6.5		505	1500	1800		
Saturn 20	MD	L/G	1590	1185	10370	14670	6.7	14.3	6.5		520				