

Electrical Generation Specifications

SIEMENS ENERGY

AT ISO BASE LOAD

| MODEL | POWER RATING ISO Base Load (MWe) | FREQUENCY (Hz) | EFFICIENCY % | GROSS HEAT RATE Lower Heating Value (LHV) (Btu/kWh) | TURBINE SPEED (RPM) | PRESSURE RATIO | Exhaust Flow (kg/s) | Turbine Inlet Temp. (°C) |
|--------------------|--|-------------------|-----------------|---|------------------------|-------------------|------------------------|-----------------------------|
| SGT5-9000HL | 593 | 50 | >43 | <7,938 | 3,000 | 24 | 1,050 | 670 |
| SGT6-9000HL | 440 | 60 | >43.2 | <7,898 | 3,600 | 24.0 | 725 | 670 |
| SGT5-8000H | 450 | 50 | 41.2 | 8,284 | 3,000 | 21.0 | 935 | 630 |
| SGT6-8000H | 310 | 60 | 40.4 | 8,455 | 3,600 | 21.0 | 650 | 645 |
| SGT6-5000F | 329 | 50 | 41 | 8,322 | 3,600 | 19.5 | 724 | 599 |
| SGT6-5000F | 385 | 50 | 41.5 | 8,455 | 3,600 | 17 | 800 | 619 |
| SGT5-4000F | 260 | 60 | 40 | 8,322 | 3,000 | 20.1 | 586 | 592 |
| SGT5-4000F | 215 | 60 | 39.5 | 8,222 | 3,000 | 21 | 478 | 612 |
| SGT5-2000E | 198 | 50 | 37.6 | 9,348 | 3,000 | 12.8 | 558 | 536 |
| SGT6-2000E | 117 | 60 | 35.4 | 9,638 | 3,600 | 12.0 | 368 | 532 |
| SGT-800 (DLE) | 62.5 | 50/60 | 41 | 8,302 | 6,600 | 21.1 | 135.5 | 596 |
| SGT-800 (DLE) | 57 | 50/60 | 40.1 | 8,502 | 6,600 | 22 | 136.6 | 565 |
| SGT-800 (DLE) | 55.6 | 50/60 | 39.5 | 8,647 | 6,600 | 22 | 137.7 | 564 |
| SGT-800 (DLE) | 49.9 | 50/60 | 39.4 | 8,670 | 6,600 | 19.8 | 124.7 | 560 |
| SGT-800 (DLE) | 45.3 | 50/60 | 38.4 | 8,892 | 6,600 | 18.3 | 115.1 | 574 |
| SGT-750 (DLE) | 39.8 | 50/60 | 40.3 | 8,456 | 6,100 | 24.3 | 115.4 | 468 |
| SGT-700 (DLE) | 32.8 | 50/60 | 37.2 | 9,170 | 6,500 | 18.7 | 95 | 533 |
| SGT-700 (DLE) | 35.2 | 50/60 | 38 | 8,972 | 6,500 | 20.4 | 98.7 | 531 |
| SGT-600 (DLE) | 24.5 | 50/60 | 33.6 | 10,161 | 7,700 | 14.0 | 81.3 | 543 |
| SGT-400 (DLE) | 14.3 | 50/60 | 35.6 | 9,572 | 9,500 | 18.5 | 44.5 | 529 |
| SGT-400 (DLE) | 12.9 | 50/60 | 35 | 9,756 | 9,500 | 16.9 | 40 | 555 |
| SGT-400 (DLE) | 10.5 | 50/60 | 35.4 | 9,638 | 11,500 | 16.4 | 34.2 | 510 |
| SGT-300 (DLE) | 7.9 | 50/60 | 30.8 | 11,094 | 14,045 | 14.0 | 30.2 | 534 |
| SGT-100 (DLE) | 5.4 | 50/60 | 30.2 | 11,292 | 17,384 | 15.3 | 21 | 549 |
| SGT-100 (DLE) | 5.1 | 50/60 | 30.1 | 11,322 | 17,384 | 14.0 | 19.5 | 544 |
| SGT-A35 (GT61) | 37.2 | 50/60 | 40.4 | 8,445 | 4,850 | 25 | 105.4 | 484 |
| SGT-A35 (GT61) | 33.5 | 50/60 | 39.3 | 8,676 | 4,850 | 23 | 99 | 486 |
| SGT-A35 (GT61) | 33.9 | 60 | 38 | 8,971 | 3,600 | 23 | 101 | 506 |
| SGT-A35 (GT61) DLE | 31.7 | 60 | 37.8 | 9,038 | 3,600 | 23 | 98.1 | 494 |
| SGT-A35 (GT61) DLE | 33.4 | 50/60 | 39.8 | 8,568 | 4,850 | 23 | 97.8 | 487 |
| SGT-A35 (GT62) DLE | 31.3 | 50/60 | 38.3 | 8,910 | 4,800 | 22 | 97.7 | 485 |
| SGT-A05 KB7HE | 5.8 | 50/60 | 33.2 | 10,281 | 14,600 | 14.4 | 21.4 | 518 |
| SGT-A05 KB7S | 5.4 | 50/60 | 32.3 | 10,570 | 14,600 | 14.2 | 21.3 | 496 |
| SGT-A05 KB5S | 4 | 50/60 | 29.7 | 11,504 | 14,200 | 10.3 | 15.4 | 560 |
| SGT-600e (DLE) | 25.9 | 50/60 | 40.4 | 8,439 | 7,625 | 25 | 75.8 | 461 |

Site Conditions = 59°F, 14.7 psia, 60% RH (15°C, 1.013 bar). Ratings at generator terminals. Specifications for Natural Gas Fuel