

## 2008 Combined Cycle GenSet Model List

Model	Net plant output kW	Net plant heat rate kJ/kWh (Btu/kWh)	Efficiency	Elect. freq Hz	Gas Turbine output kW	Steam Turbine output kW
RB211 G62 DLE	37,725	7,175 (6,801)	50.2%	50/60	26,716	12,045 #
RB211 GT62 DLE	39,760	7,005 (6,639)	51.4%	50/60	28,626	12,205 #
RB211 GT61 DLE	42,640	6,820 (6,464)	52.8%	50/60	31,171	12,593 #
Trent 60 DLE	64,232	6,837 (6,480)	52.7%	50	50,068	15,261 #
Trent 60 DLE	89,482	7,172 (6,798)	50.2%	50	50,068	41,348 †
Trent 60 DLE	64,601	6,855 (6,497)	52.5%	60	50,492	15,211 #
Trent 60 DLE	90,326	7,191 (6,816)	50.1%	60	50,492	41,791 †
Trent 60 WLE*	72,670	7,157 (6,784)	50.3%	50	58,000	15,893 #
Trent 60 WLE*	102,828	7,405 (7,019)	48.6%	50	58,000	47,043 †
Trent 60 WLE*	72,898	7,114 (6,743)	50.6%	60	58,000	16,127 #
Trent 60 WLE*	101,719	7,374 (6,989)	48.8%	60	58,000	45,901 †

# Dual pressure steam cycle † Single pressure steam cycle, supplementary fired to 750°C (1382°F)

\* Water injected.

ISO. Natural gas fuel. 25vppm NOx (15% O<sub>2</sub>). Typical installation losses.



### Combined Cycle GenSet Performance Specifications 2008



## 2008 Gas Turbine GenSet Model List



Model	Rating ISO base kW	Heat rate kJ/kWh (Btu/kWh)	Efficiency	Turbine speed RPM	Exhaust temp °C (°F)	Exhaust flow kg/sec (lb/sec)	L x W x H m (ft)
501-KB5	3,897	12,393 (11,747)	29.0%	14,200	560 (1,040)	15.4 (33.9)	9 x 2.7 x 3 (30 x 8.7 x 10)
501-KB75	5,245	11,445 (10,848)	31.5%	14,600	498 (928)	21.1 (46.6)	9 x 2.7 x 3 (30 x 8.7 x 10)
501-KH5**	6,447	8,971 (8,509)	40.1%	14,600	530 (986)	18.4 (40.6)	9 x 2.7 x 3 (30 x 8.7 x 10)
RB211 G62 DLE	27,520	9,933 (9,415)	36.2%	4,800	500 (932)	91.8 (202)	16.5 x 4 x 4.3 (54.1 x 13.1 x 14.1)
RB211 GT62 DLE	29,500	9,554 (9,055)	37.7%	4,800	493 (920)	95.9 (211)	16.5 x 4 x 4.3 (54.1 x 13.1 x 14.1)
RB211 GT61 DLE	32,120	9,158 (8,680)	39.3%	4,850	503 (938)	94.5 (208)	16.5 x 4 x 4.3 (54.1 x 13.1 x 14.1)
Trent 60 DLE (50Hz)	51,504	8,550 (8,104)	42.1%	3,000	444 (832)	151.7 (334)	28 x 5 x 12.5 (92 x 16 x 41)
Trent 60 DLE (60Hz)	51,685	8,586 (8,138)	41.9%	3,600	440 (825)	154.6 (341)	28 x 5 x 12.5 (92 x 16 x 41)
Trent 60 WLE (50Hz)*	58,000	8,805 (8,346)	40.9%	3,000	423 (794)	165.7 (365)	28 x 5 x 12.5 (92 x 16 x 41)
Trent 60 WLE (60Hz)*	58,000	8,795 (8,336)	40.9%	3,600	429 (805)	162.6 (358)	28 x 5 x 12.5 (92 x 16 x 41)

### Gas Turbine GenSet Performance Specifications 2008



\* Water injected.  
 \*\* Case steam injection (2.73kg/sec).  
 ISO. Simple cycle. Natural gas fuel. 25ppm NOx (15% O<sub>2</sub>). Zero installation losses.

EM100-01/08-2.5M