

2014 Combined Cycle GenSet Model List

Energy



Model	Net plant output kW	Net plant heat rate kJ/kWh (Btu/kWh)		Net plant efficiency %	Elect. freq Hz	Gross gas turbine output kW	Gross steam turbine output kW	
RB211-G62 DLE	37,725	7,175	(6,801)	50.2	50/60	26,716	12,045	2P unfired
RB211-GT62 DLE	39,760	7,005	(6,639)	51.4	50/60	28,626	12,205	2P unfired
RB211-GT61 DLE	42,640	6,820	(6,464)	52.8	50/60	31,171	12,593	2P unfired
Trent 60 DLE	65,356	6,718	(6,367)	53.6	50	50,767	15,820	2P unfired
Trent 60 DLE	78,373	6,936	(6,574)	51.9	50	50,767	29,348	2P fired to 1,112°F (600°C)
Trent 60 DLE ISI	77,673	6,736	(6,384)	53.4	50	61,978	17,100	2P ISI unfired
Trent 60 DLE ISI	94,151	6,992	(6,627)	51.5	50	61,978	34,252	2P ISI fired to 1,112°F (600°C)
Trent 60 WLE	81,247	6,998	(6,633)	51.4	50	64,479	18,291	2P unfired
Trent 60 WLE	107,233	7,339	(6,956)	49.0	50	64,479	45,380	1P fired to 1,300°F (704°C)
Trent 60 WLE ISI	82,885	7,022	(6,655)	51.2	50	66,000	18,433	2P ISI unfired
Trent 60 WLE ISI	109,567	7,355	(6,971)	48.9	50	66,000	46,259	1P ISI fired to 1,300°F (704°C)
Trent 60 DLE	66,438	6,725	(6,374)	53.5	60	51,674	16,010	2P unfired
Trent 60 DLE	79,672	6,945	(6,582)	51.8	60	51,674	29,786	2P fired to 1,112°F (600°C)
Trent 60 DLE ISI	75,475	6,727	(6,376)	53.5	60	60,200	16,641	2P ISI unfired
Trent 60 DLE ISI	90,883	6,969	(6,605)	51.6	60	60,200	32,682	2P ISI fired to 1,112°F (600°C)
Trent 60 WLE	77,952	6,998	(6,633)	51.4	60	61,754	17,671	2P unfired
Trent 60 WLE	102,438	7,340	(6,957)	49.0	60	61,754	43,199	1P fired to 1,300°F (704°C)
Trent 60 WLE ISI	80,303	7,093	(6,723)	50.7	60	64,036	17,798	2P ISI unfired
Trent 60 WLE ISI	105,704	7,404	(7,017)	48.6	60	64,036	44,273	1P ISI fired to 1,300°F (704°C)

1P = Single pressure. 2P = Dual pressure
ISO base load performance. Natural gas fuel. 25ppm NO_x (15% O₂). Typical installation losses. Condenser vacuum 1.5in Hg. Performance includes estimated plant auxiliaries and step up transformer loss. Excludes gas compression.

WLE is also available to operate dry with no water injection and/or with liquid fuel, please consult Rolls-Royce for further information.

DLE = Dry Low Emissions abatement

WLE = Wet Low Emissions abatement (Combustor water injection)

ISI = Inlet Spray Inter-cooling (Wet compression water to the compressor inlet)

ISI comes with a first stage cooling system (Evaporative cooling or mechanical chilling)

Combined Cycle GenSet Performance Specifications 2014

