



RB211 Gas Turbines for oil & gas applications

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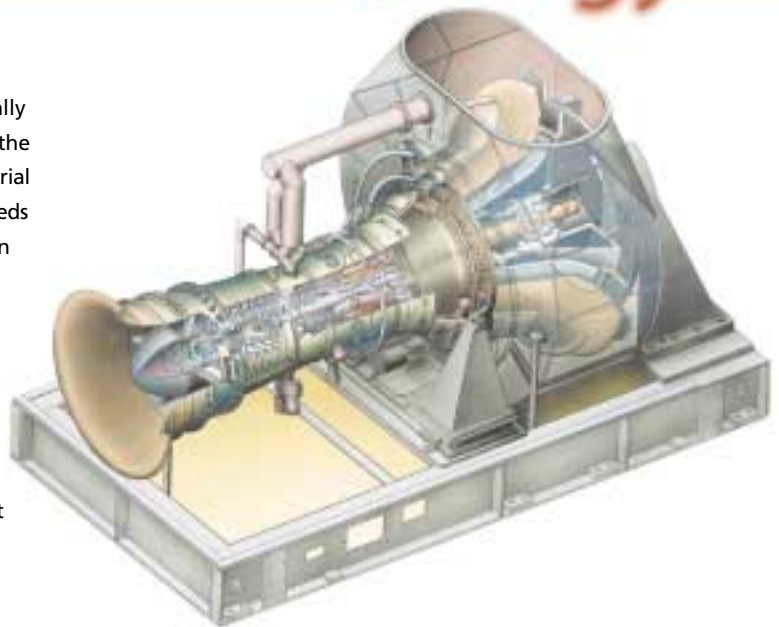
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energy

Reliable, proven power

The RB211 gas turbine package matches the technologically advanced Rolls-Royce gas generator with the efficiency of the RT56, RT62 or RT61 power turbine. The aeroderivative industrial design has demonstrated outstanding reliability, with hundreds of RB211 gas turbines installed worldwide, with 12 million hours operating experience.

Delivering high availability with ease of maintenance, the rugged RB211 is well suited for a variety of power generation and mechanical drive applications, including harsh environments and remote locations. Also available with Dry Low Emission (DLE) technology, RB211 gas turbine packages offer a wide range of power output options.



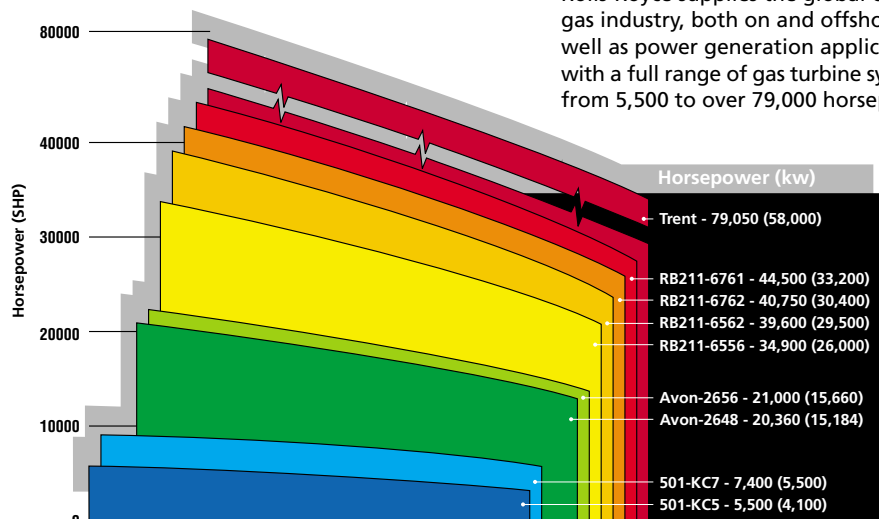
		Power (ISO)		PT Speed	Fuel Rate	Thermal Efficiency %	Overall Weight (GG & GT)	Rolls-Royce Gas Generator (GG) Model	GG Compression Ratio	GG Compressor Stages	GG Turbine Stages	GG Combustors	Power Turbine		
		bhp	kw										rpm	Btu/hph	kJ/kWh
													lb/sec	°F	°C
Mechanical Drive	RB211-6556	34,900	26,025	4,950	7,100	35.8	50,000	RB211-24G	20:1	7-6	1-1	Annular	RT56	203.3	910
					10,043		22,680						2	92.2	488
	RB211-6562	39,600	29,530	4,800	6,695	38.0	50,000	RB211-24G	21:1	7-6	1-1	Annular	RT62	208.7	917
						9,472		22,680					2	94.5	492
Electrical Generation	RB211-6762	40,750	30,387	4,800	6,565	38.8	50,000	RB211-24GT	21.5:1	7-6	1-1	Annular	RT62	212	918
					9,288		22,680						2	96	492
	RB211-6761	44,500	33,184	4,850	6,290	40.4	40,000	RB211-24GT	21.5:1	7-6	1-1	Annular	RT61	209	937
					8,904		18,144						3	94	503
Electrical Generation	RB211-6556	-	25,200 kWe	4,950	-	34.6	50,000	RB211-24G	20:1	7-6	1-1	Annular	RT56	203.3	910
					10,390		22,680						2	92.2	488
	RB211-6562	-	28,500 kWe	4,800	-	36.7	50,000	RB211-24G	21:1	7-6	1-1	Annular	RT62	208.7	917
					9,820		22,680						2	94.5	492
Electrical Generation	RB211-6762	-	29,400 kWe	4,800	-	37.4	50,000	RB211-24GT	21.5:1	7-6	1-1	Annular	RT62	212	920
					9,613		22,680						2	96	493
	RB211-6761	-	32,000 kWe	4,850	-	39.1	40,000	RB211-24GT	21.5:1	7-6	1-1	Annular	RT61	209	937
					9,214		18,144						3	94	503

Dry Low Emission Models Available – Consult Rolls-Royce
Nominal performance at ISO conditions assuming no losses, gaseous fuel, and base load
Overall weight excludes intake and exhaust system

Fact sheet

RB211 6556/6562 and 6761/6762 Gas Turbines Capabilities

- The gas turbine industry leader with a proven record of reliability serving customers in over 20 countries
- Combines a Rolls-Royce RB211 industrial gas generator with the RT56, RT62 or RT61 power turbine, to form four basic model groups
- All models available with the DLE combustion system limiting emissions to less than 25 vppm NOx
- Lightweight, aeroderivative, industrial design. Easy, economical to transport/install
- Compact design, high horsepower-to-space/weight ratios
- Applications include:
 - Gas Compression
 - Oil pumping
 - Water flood
 - Petrochemical plants
 - Cogeneration
 - Power generation
- Simple, inexpensive to maintain
- Gas generator changeout in as little as 8 hours
- Rugged, reliable performance. Over 3 years baseload duty between overhauls
- Over 99% demonstrated reliability
- Ideal for remote, inaccessible locations



Full range of power from a single, trusted source.

Rolls-Royce supplies the global oil and gas industry, both on and offshore, as well as power generation applications, with a full range of gas turbine systems, from 5,500 to over 79,000 horsepower.

- Performance proven in many environments
 - Arctic
 - Desert
 - Mountain
 - Equator
 - Offshore
- Anti-corrosion features for marine service
- Gas, liquid, dual-fuel capability. Low and medium Btu gases
- Simple and combined cycle units
- Multi-national manufacturing sources
 - United States
 - Canada
 - United Kingdom

Rolls-Royce Product Offering



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