



ES3002 RB211 early variant to 24G upgrade

Dramatically increase RB211 power and efficiency



Engineered solution purpose

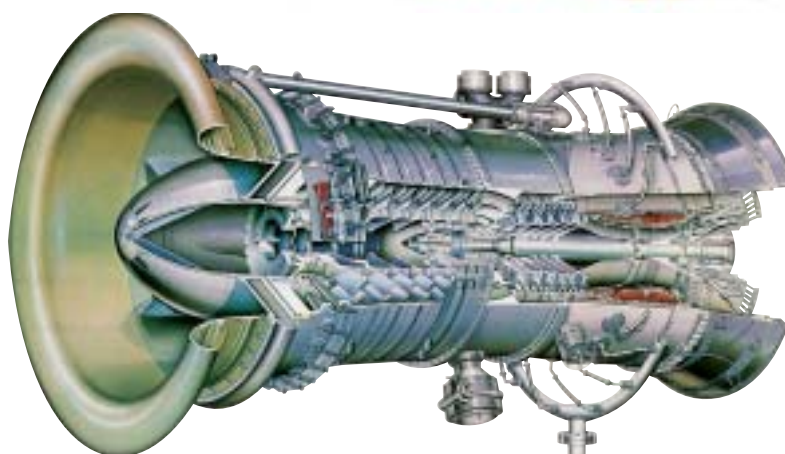
This engineered solution provides increased power and improved heat rate

Applicability

All RB211 engines except for -24G, DLE and 24-GT

Technical description

A detailed engineering study is required to evaluate each individual case. The study will determine the full scope of work required, not only on the RB211 engine but the complete power train package. This scope can include: air filtration system, gas generator, driven equipment, couplings, gearboxes, controls, instrumentation, lube oil systems, mounting arrangements and fire and gas detection systems.



The first RB211 gas generator entered service in 1974

Benefits

Increased power, life and efficiency. For further estimating the benefit of power gain, please see table below showing power comparison of the different RB211 models.

Experience

Pemex Atasta - 2 units
 PDVSA - 2 units
 British Gas - 4 units
 TCPL - 3 units

Scope of work

To be determined by engineering study

Bill of materials

To be determined by engineering study

Undertaken

At overhaul

Nominal performance - Mechanical drive applications

Serial No.	Package	Gas Generator	Power Turbine (PT)	Power BHP	PT Speed (rated) rpm
1	Coberra 6056/6156	RB211-22	RT56	26,400	4,950
2	Coberra 6256	RB211-24A	RT56	29,400	4,950
3	Coberra 6356	RB211-24B	RT56	30,300	4,950
4	Coberra 6456	RB211-24C	RT56	33,360	4,950
5	Coberra 6556	RB211-24G	RT56	34,900	4,950
6	Coberra 6556	RB211-24G DLE	RT56	33,210	4,950
1	Coberra 6462	RB211-24C	RT62	35,000	4,800
2	Coberra 6562	RB211-24G	RT62	39,600	4,800
3	Coberra 6562	RB211-24G DLE	RT62	37,880	4,800

Imperial units - ISO conditions, base load application, no losses, gaseous fuel.

