

Avon Gas Turbines for oil & gas applications

energy

Dependable power, compact design

Matching the reliable Rolls-Royce Avon industrial gas generator with the proven RT48 or RT56 power turbine, the Avon gas turbine packages deliver dependable power in a compact, easy-to-maintain unit. The lightweight, aeroderivative design offers high horsepower-to-specweight ratios, and is ideal for a variety of power generation and mechanical drive applications.

Rugged construction, economical to transport and install, with specialized package options customized for harsh environments, the Avon is well suited for demanding applications and remote locations.



		Avon (IGG)	IGG Speed	Fuel Rate	Thermal Efficiency %	Overall Weight (IGG & GT)	Rolls-Royce Gas Generator (IGG Model)	IGG Compression Ratio	IGG Compressor Stages	IGG Turbine Stages	Power Turbine	Exhaust Manifold	Stack Temp
		lb/hr kg	rpm	lb/hr/ft ² kg/m ²		lb kg					Model Stages	lb/hr kg/hr	°F °C
Mechanical Drive	Avon-2648	26,500 12,000	5,500	8,660	28.4	25,000 (15,875)	Avon-1535	9.8:1	12	3	RT48 2	100 27	810 440
	Avon-2856	27,800 12,600	4,950	8,485	28.2	29,000 (17,212)	Avon-1535	9.8:1	12	3	RT56 4	100 27	818 442
Electrical Generator	Avon-2648	— 14,872 (666)	5,500	— 10,660	28.4	25,000 (15,875)	Avon-1535	9.8:1	12	3	RT48 2	100 27	810 440
	Avon-2856	— 15,525 (699)	4,950	— 10,212	28.2	29,000 (17,212)	Avon-1535	9.8:1	12	3	RT56 4	100 27	818 442

Nominal performance at ISO conditions: sea-level, 15°C, 1013 mbars, 50% relative humidity, 15 m/s wind speed.
Overall weight excludes intake and exhaust systems.

Rolls Royce Gas Turbine Manual

Andreas Linke-Diesinger



Rolls Royce Gas Turbine Manual:

Gas Turbines Claire Soares, 2011-04-01 This major reference book offers the professional engineer and technician a wealth of useful guidance on nearly every aspect of gas turbine design installation operation maintenance and repair The author is a noted industry expert with experience in both civilian and military gas turbines including close work as a technical consultant for GE and Rolls Royce Guidance on installation control instrumentation calibration and maintenance including lubrication air seals bearings and filters Unique compendium of manufacturer s specifications and performance criteria including GE and Rolls Royce engines Hard to find help on the economics and business management aspect of turbine selection life cycle costs and the future trends of gas turbine development and applications in aero marine power generation and beyond

Systems of Commercial Turbofan Engines Andreas Linke-Diesinger, 2008-05-21 Systems of Commercial Turbofan Engines gives the reader information about the operation of the engine systems its components and the terminology used throughout the industry The engine systems are explained by the use of examples from today s engines So the readers from aircraft mechanics to commercial pilot become familiar with the current technology in this field and attains a deeper knowledge of the systems of commercial turbofan engines To understand the operation of gas turbine engines used in aircraft it is not enough to understand the basic operation of a gas turbine It is also necessary to understand the operation and the design of its auxiliary systems This book is an introduction into the systems of modern commercial aircraft gas turbine engines It is made for the reader who is familiar with the basic operation of aircraft gas turbine engine

The Oil Engine and Gas Turbine ,1961 [Airplane Flight Manual for Grumman Gulfstream](#) ,1960 **Handbook of Lubrication and Tribology** George E. Totten, 2006-04-06 When it was first published some two decades ago the original Handbook of Lubrication and Tribology stood on technology s cutting edge as the first comprehensive reference to assist the emerging science of tribology lubrication Later followed by Volume II Theory and Design and Volume III Monitoring Materials Synthetic Lubricants and Applications it has continued to serve as the cornerstone of every tribology and lubrication science library providing engineers researchers and technicians with the information they need to do their work and pioneer the advancements that have dramatically reshaped this field Now due to those advances the time has come to retool tribology s master text In addition to offering tribologists the facts figures and equations they need everyday Volume I Application and Maintenance Second Edition positions itself at the forefront of the field to address the latest technology related to application and maintenance procedures as well as changes in our understanding of how lubrication principles impact implementation Completely reorganized to aid the reader in identifying chapters and topics of interest every one of the chapters retained from the first edition has either been fully updated and revised or completely rewritten by a peer recognized team of experts who are currently active in a wide variety of industry segments With the addition of several new subject areas it now boasts a total of 37 chapters

Scientific and Technical Aerospace Reports ,1994 [Gas Turbine](#)

Electric Plant Construction Cost and Annual Production Expenses ,1972 *Gas Turbine Electric Plant Construction Cost and Annual Production Expenses* United States. Federal Power Commission,1972 Chiefly tables **Gas Turbine Electric Plant Construction Cost and Annual Production Expenses, First Annual Publication -- 1972** United States. Federal Power Commission,1972 **Engineering** ,1928

Reviewing **Rolls Royce Gas Turbine Manual**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is actually astonishing. Within the pages of "**Rolls Royce Gas Turbine Manual**," an enthralling opus penned by a very acclaimed wordsmith, readers embark on an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve in to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

https://crm.avenza.com/public/Resources/fetch.php/Risk_Management_System_Iata_Manual.pdf

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