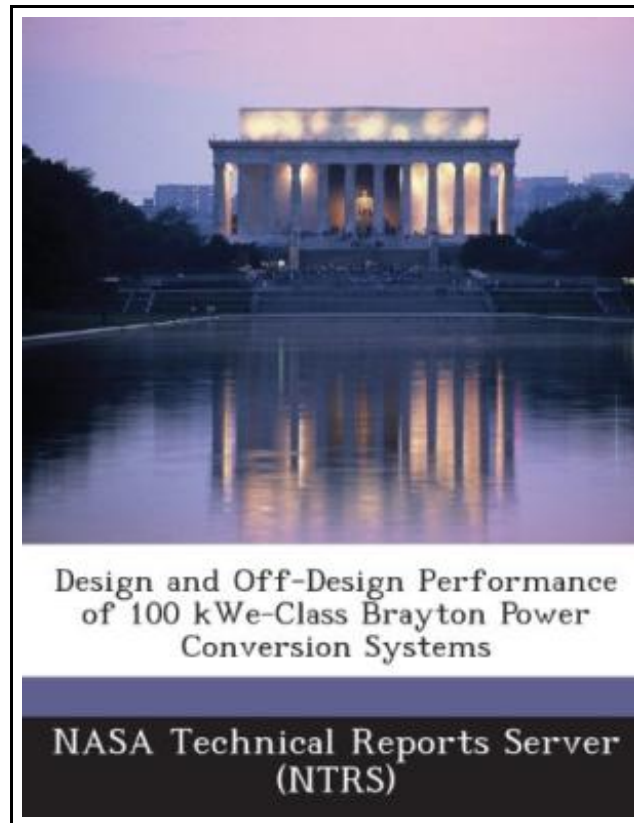


Design and Off-Design Performance of 100 Kwe-Class Brayton Power Conversion Systems



Filesize: 5.05 MB

Reviews

A top quality publication along with the font used was intriguing to read. I really could comprehend everything using this written e book. Its been designed in a remarkably straightforward way and it is only after i finished reading through this publication by which basically altered me, modify the way i believe.

(Cathrine Larkin Sr.)

DESIGN AND OFF-DESIGN PERFORMANCE OF 100 KWE-CLASS BRAYTON POWER CONVERSION SYSTEMS



To read **Design and Off-Design Performance of 100 Kwe-Class Brayton Power Conversion Systems** eBook, make sure you refer to the button under and download the ebook or get access to additional information which are have conjunction with DESIGN AND OFF-DESIGN PERFORMANCE OF 100 KWE-CLASS BRAYTON POWER CONVERSION SYSTEMS book.

BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 26 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. The NASA Glenn Research Center in-house computer model Closed Cycle Engine Program (CCEP) was used to explore the design trade space and off-design performance characteristics of 100 kWe-class recuperated Closed Brayton Cycle (CBC) power conversion systems. Input variables for a potential design point included the number of operating units (1, 2, 4), cycle peak pressure (0.5, 1, 2 MPa), and turbo-alternator shaft speed (30, 45, 60 kRPM). The design point analysis assumed a fixed turbine inlet temperature (1150 K), compressor inlet temperature (400 K), working-fluid molecular weight (40 gmol), compressor pressure ratio (2.0), recuperator effectiveness (0.95), and a Sodium-Potassium (NaK) pumped-loop radiator. The design point options were compared on the basis of thermal input power, radiator area, and mass. For a nominal design point with defined Brayton components and radiator area, off-design cases were examined by reducing turbine inlet temperature (as low as 900 K), reducing shaft speed (as low as 50 of nominal), and circulating a percentage (up to 20) of the compressor exit flow back to the gas cooler. The off-design examination sought approaches to reduce thermal input power without freezing the radiator. This item ships from La Vergne, TN. Paperback.

-  [Read Design and Off-Design Performance of 100 Kwe-Class Brayton Power Conversion Systems Online](#)
-  [Download PDF Design and Off-Design Performance of 100 Kwe-Class Brayton Power Conversion Systems](#)
-  [Download ePUB Design and Off-Design Performance of 100 Kwe-Class Brayton Power Conversion Systems](#)

Other Books



[PDF] Animalogy: Animal Analogies

Follow the link under to read "Animalogy: Animal Analogies" PDF file.

[Download ePub »](#)



[PDF] Molly on the Shore, BFMS 1 Study score

Follow the link under to read "Molly on the Shore, BFMS 1 Study score" PDF file.

[Download ePub »](#)



[PDF] The Whale Tells His Side of the Story Hey God, Ive Got Some Guy Named Jonah in My Stomach and I Think Im Gonna Throw Up

Follow the link under to read "The Whale Tells His Side of the Story Hey God, Ive Got Some Guy Named Jonah in My Stomach and I Think Im Gonna Throw Up" PDF file.

[Download ePub »](#)



[PDF] Good Night, Zombie Scary Tales

Follow the link under to read "Good Night, Zombie Scary Tales" PDF file.

[Download ePub »](#)



[PDF] God Loves You. Chester Blue

Follow the link under to read "God Loves You. Chester Blue" PDF file.

[Download ePub »](#)



[PDF] Yearbook Volume 15

Follow the link under to read "Yearbook Volume 15" PDF file.

[Download ePub »](#)



[PDF] DK Readers The Story of Muhammad Ali Level 4 Proficient Readers

Click the hyperlink under to download and read "DK Readers The Story of Muhammad Ali Level 4 Proficient Readers" document.

[Download eBook »](#)



[PDF] Design Collection Revealed: Adobe InDesign CS6, Photoshop CS6 Illustrator CS6

Click the hyperlink under to download and read "Design Collection Revealed: Adobe InDesign CS6, Photoshop CS6 Illustrator CS6" document.

[Download eBook »](#)



[PDF] Read Write Inc. Phonics: Grey Set 7 Non-Fiction 2 a Flight to New York

Click the hyperlink under to download and read "Read Write Inc. Phonics: Grey Set 7 Non-Fiction 2 a Flight to New York" document.

[Download eBook »](#)



[PDF] Multiple Streams of Internet Income

Click the hyperlink under to download and read "Multiple Streams of Internet Income" document.

[Download eBook »](#)



[PDF] When Santa Claus Prayed

Click the hyperlink under to download and read "When Santa Claus Prayed" document.

[Download eBook »](#)



[PDF] Absolutely Lucy #4 Lucy on the Ball A Stepping Stone BookTM

Click the hyperlink under to download and read "Absolutely Lucy #4 Lucy on the Ball A Stepping Stone BookTM" document.

[Download eBook »](#)