

speedaire compressor manual

speedaire compressor manual serves as an essential guide for users to understand, operate, and maintain their Speedaire air compressors efficiently. This comprehensive manual provides detailed instructions on assembly, operation, troubleshooting, and regular maintenance to ensure optimal performance and longevity of the compressor. Whether for professional workshops or home garage use, the Speedaire compressor manual covers important safety precautions, technical specifications, and operational tips tailored to various compressor models. Familiarity with this manual can prevent costly repairs and enhance user safety by adhering to manufacturer guidelines. This article explores the key components and instructions found in the Speedaire compressor manual, supporting users in maximizing their equipment's effectiveness. The following sections will outline the manual's main areas including setup, operation, maintenance, troubleshooting, and parts identification.

- Understanding Your Speedaire Compressor
- Setting Up the Compressor
- Operating Instructions
- Maintenance and Care
- Troubleshooting Common Issues
- Parts and Accessories

Understanding Your Speedaire Compressor

Before using a Speedaire compressor, it is critical to understand its design, features, and technical specifications as outlined in the Speedaire compressor manual. These compressors are engineered to provide reliable air pressure for various pneumatic tools and applications. The manual typically includes detailed descriptions of the compressor's components such as the motor, tank, pressure switch, regulators, and safety valves. Understanding these parts aids in proper usage and maintenance, preventing damage or accidents.

Compressor Components

The Speedaire compressor manual provides a breakdown of key components, explaining their function and importance. Major parts include the motor which drives the compressor pump, the air tank that stores compressed air, pressure gauges for monitoring output, and the pressure switch which controls the compressor's operation. Safety features like relief valves prevent over-pressurization, ensuring safe operation during extended use.

Technical Specifications

The manual lists important technical details such as horsepower, tank capacity, maximum working pressure, and airflow measured in cubic feet per minute (CFM). These specifications help users select the appropriate model for their needs and understand the machine's capabilities. Knowing these metrics also facilitates proper maintenance schedules and troubleshooting procedures.

Setting Up the Compressor

Proper setup according to the Speedaire compressor manual is vital for safe and efficient operation. This section covers the unboxing, assembly, and installation process, ensuring the compressor is ready for use without risk of damage or injury.

Unboxing and Inspection

Upon receiving the Speedaire compressor, users should carefully inspect all components and verify that all parts are included as per the manual's packing list. Checking for shipping damage and confirming the presence of necessary accessories ensures a smooth setup process.

Assembly Instructions

The manual provides step-by-step guidance for assembling the compressor, including attaching the wheels, handle, and connecting the motor to the tank. Proper torque specifications for bolts and fittings are often included to prevent leaks or mechanical failures. Electrical wiring instructions, if applicable, are detailed to ensure safe power connections.

Installation Requirements

Installation involves positioning the compressor on a flat, stable surface with adequate ventilation. The manual specifies clearances around the unit to allow for heat dissipation and maintenance access. It also recommends grounding procedures and appropriate power supply ratings to prevent electrical hazards.

Operating Instructions

The Speedaire compressor manual outlines comprehensive operating instructions designed to optimize performance and extend equipment life. Users should follow these procedures carefully to avoid operational errors.

Starting the Compressor

To start the compressor, the manual advises turning on the power supply and allowing the unit to build pressure gradually. Monitoring pressure gauges during startup ensures the system is

functioning correctly. The pressure switch automatically cycles the compressor on and off to maintain preset pressure levels.

Using the Compressor Safely

Safety guidelines emphasize wearing protective gear, avoiding overloading the compressor, and never bypassing safety valves. The manual instructs users to relieve tank pressure before disconnecting hoses or performing maintenance. Additionally, it warns against operating the compressor in wet or explosive environments.

Adjusting Output Pressure

The manual explains how to use the pressure regulator to adjust the output pressure according to the requirements of the pneumatic tool being used. Proper pressure settings prevent damage to tools and ensure efficient operation.

Maintenance and Care

Regular maintenance is critical for sustaining the efficiency and safety of a Speedaire compressor. The manual provides detailed maintenance schedules and procedures to keep the compressor in peak condition.

Routine Maintenance Tasks

Routine maintenance includes checking and changing the compressor oil, draining moisture from the air tank, cleaning or replacing air filters, and inspecting belts and hoses for wear. These tasks help prevent rust, contamination, and mechanical failure.

Periodic Inspection

The manual recommends periodic inspection of electrical components, safety valves, and pressure switches. Ensuring these parts function correctly reduces the risk of malfunctions and prolongs the compressor's lifespan.

Maintenance Checklist

- Drain tank daily to remove accumulated moisture
- Check oil level weekly, refill or change as needed
- Clean air filters monthly or replace if damaged

- Inspect belts for cracks or looseness every 3 months
- Test safety valves quarterly to ensure proper operation

Troubleshooting Common Issues

The Speedaire compressor manual includes a troubleshooting guide to help users identify and resolve frequent problems without professional assistance. Addressing issues early minimizes downtime and repair costs.

Compressor Fails to Start

Possible causes include electrical supply issues, tripped circuit breakers, or faulty pressure switches. The manual advises verifying power connections, resetting breakers, and inspecting switches for proper function.

Insufficient Air Pressure

Low pressure may result from air leaks, clogged filters, or worn piston rings. The manual guides users to inspect hose connections, replace filters, and check internal components for wear or damage.

Excessive Noise or Vibration

Unusual noises can indicate loose parts, worn bearings, or misalignment. The manual recommends tightening bolts, lubricating moving parts, and checking motor mounts to resolve these issues.

Parts and Accessories

The Speedaire compressor manual provides detailed diagrams and part numbers for replacement components and compatible accessories. This information is essential for ordering genuine parts and ensuring proper fit and function.

Common Replacement Parts

Frequently replaced parts include air filters, pressure switches, safety valves, belts, and motor brushes. The manual specifies the correct part numbers and installation instructions to facilitate efficient repairs.

Optional Accessories

Accessories such as air hoses, regulators, lubricators, and tool kits enhance the versatility and performance of Speedaire compressors. The manual lists compatible accessories to help users customize their equipment for specific applications.

Ordering and Installation Guidance

Instructions for ordering parts often include contact information for authorized dealers and guidelines for verifying part compatibility. Installation instructions ensure proper replacement procedures, maintaining the compressor's reliability and warranty coverage.

Frequently Asked Questions

Where can I download the Speedaire compressor manual?

You can download the Speedaire compressor manual from the official Speedaire website or authorized distributor websites. Additionally, many manuals are available on third-party manual repository sites by searching for your specific model number.

How do I troubleshoot common issues using the Speedaire compressor manual?

The Speedaire compressor manual typically includes a troubleshooting section that guides you through identifying and resolving common problems such as pressure loss, motor failure, or air leaks. Follow the step-by-step instructions and safety precautions outlined in the manual to diagnose and fix issues.

What maintenance procedures are recommended in the Speedaire compressor manual?

The manual recommends regular maintenance procedures including checking and changing the oil, cleaning or replacing air filters, inspecting belts and hoses, draining condensate from the tank, and ensuring proper electrical connections to keep the compressor running efficiently and safely.

How do I reset the thermal overload switch on my Speedaire compressor according to the manual?

According to the Speedaire compressor manual, to reset the thermal overload switch, first turn off and unplug the compressor. Allow it to cool down for 15-30 minutes. Then, locate the reset button on the motor housing and press it. After resetting, plug in and restart the compressor.

What safety precautions are highlighted in the Speedaire compressor manual?

The manual emphasizes safety precautions such as wearing protective gear, ensuring the compressor is properly grounded, not exceeding recommended pressure limits, keeping the compressor in a well-ventilated area, and regularly inspecting components to prevent accidents or damage.

How do I interpret the pressure gauge readings on my Speedaire compressor as per the manual?

The manual explains that the pressure gauge indicates the air pressure within the tank. Normal operating pressure ranges are specified for each model. If the pressure exceeds or falls below these ranges, the manual provides guidance on adjusting the regulator or checking for leaks or malfunctions.

Can I find parts diagrams in the Speedaire compressor manual?

Yes, most Speedaire compressor manuals include detailed parts diagrams and lists. These diagrams help identify specific components for repair or replacement, making it easier to order the correct parts and perform maintenance.

Additional Resources

1. Speedaire Compressor Maintenance and Troubleshooting Guide

This comprehensive manual covers all aspects of maintaining and troubleshooting Speedaire compressors. It provides step-by-step instructions for routine maintenance, common repairs, and diagnosing issues. Ideal for both beginners and experienced technicians, the guide ensures your compressor operates efficiently and reliably.

2. Air Compressor Repair and Service Manual

Focusing on various brands, including Speedaire, this book offers detailed repair and service procedures. It explains the mechanical and electrical components of air compressors, helping readers understand how to fix and maintain their equipment. The manual includes diagrams and tips to enhance repair accuracy.

3. Industrial Air Compressor Systems: Installation and Maintenance

This book delves into the installation and maintenance of industrial air compressors with an emphasis on Speedaire models. It outlines best practices for setting up compressors in commercial environments and maintaining their performance over time. Readers will benefit from practical advice on safety and efficiency.

4. Compressed Air Fundamentals and Equipment Guide

Aimed at professionals working with compressed air systems, this guide explains the principles behind air compressors, including Speedaire units. It covers equipment selection, operation, and maintenance, providing a solid foundation for understanding compressor technology and optimizing system performance.

5. *Speedaire Air Compressor Parts and Specifications Handbook*

This handbook provides detailed information on the parts and specifications of various Speedaire air compressor models. It is an essential resource for ordering replacement parts and understanding the technical details of your compressor. The book includes exploded diagrams and part numbers for quick reference.

6. *DIY Air Compressor Repair: Speedaire and Beyond*

Targeted at DIY enthusiasts, this book offers practical advice on repairing and maintaining Speedaire compressors at home. It covers typical problems, tools needed, and stepwise repair techniques. The book aims to empower users to save money and extend the life of their compressors through do-it-yourself methods.

7. *Air Compressor Safety and Compliance Manual*

Safety is paramount when working with air compressors. This manual highlights safety protocols, regulatory compliance, and best practices specific to Speedaire compressors and similar equipment. It provides guidelines to prevent accidents and ensure a safe working environment.

8. *Efficient Air Compressor Operation: Tips for Speedaire Models*

This book focuses on optimizing the operation of Speedaire air compressors to maximize efficiency and reduce energy consumption. It covers proper usage techniques, maintenance schedules, and troubleshooting tips. Readers will learn how to lower operational costs while maintaining high performance.

9. *Complete Guide to Pneumatic Tools and Air Compressors*

Covering a wide range of pneumatic tools and air compressors, including Speedaire, this guide is perfect for professionals and hobbyists. It explains how to choose the right compressor, maintain it, and use pneumatic tools effectively. The book also includes practical advice on integrating compressors into workshop setups.

Speedaire Compressor Manual

Speedaire Compressor Manual: Your Ultimate Guide to Troubleshooting, Maintenance, and Operation

Ebook Title: Mastering Your Speedaire Compressor: A Comprehensive Guide

Ebook Outline:

Introduction: Understanding Speedaire Compressors and the Importance of this Manual

Chapter 1: Speedaire Compressor Models & Specifications: Identifying your compressor model and understanding its key features.

Chapter 2: Installation & Setup: A step-by-step guide to proper installation, including safety precautions.

Chapter 3: Operation & Controls: Understanding the control panel, gauges, and safe operating procedures.

Chapter 4: Routine Maintenance & Troubleshooting: Preventative maintenance schedules and common troubleshooting steps.

Chapter 5: Advanced Troubleshooting & Repairs: Addressing more complex issues, including

component identification and replacement.

Chapter 6: Safety Precautions & Regulations: Understanding safety protocols and adhering to industry regulations.

Chapter 7: Parts & Accessories: Locating replacement parts and essential accessories.

Conclusion: Maximizing the lifespan and efficiency of your Speedaire compressor.

Speedaire Compressor Manual: A Comprehensive Guide

Introduction: Understanding Speedaire Compressors and the Importance of this Manual

Speedaire compressors, known for their reliability and efficiency, are vital pieces of equipment in various industries, from manufacturing and construction to automotive repair and refrigeration. Understanding how to properly operate, maintain, and troubleshoot these compressors is crucial for maximizing their lifespan, ensuring optimal performance, and preventing costly downtime. This comprehensive manual serves as your ultimate resource, guiding you through every aspect of Speedaire compressor ownership, from initial setup to advanced troubleshooting. Whether you're a seasoned technician or a new user, this guide will equip you with the knowledge and skills necessary to handle any situation. Neglecting proper maintenance can lead to premature wear, costly repairs, and potential safety hazards. This manual emphasizes preventative maintenance as a key element in maximizing the return on your investment and ensuring a safe working environment.

Chapter 1: Speedaire Compressor Models & Specifications: Identifying your compressor model and understanding its key features.

Identifying your specific Speedaire compressor model is the first crucial step. The model number, typically found on a plate affixed to the compressor unit, is essential for accessing specific manuals, parts diagrams, and troubleshooting information. This chapter will guide you through locating this information and decoding the model number to understand the compressor's specifications. These specifications include:

Horsepower (HP): Indicates the power output of the compressor.

Voltage & Amperage: Specifies the electrical requirements.

Airflow Capacity (CFM): Indicates the volume of air delivered per minute.

Pressure Rating (PSI): Specifies the maximum pressure the compressor can generate.

Tank Capacity (Gallons): Indicates the size of the air receiver tank.

Duty Cycle: Defines the on/off operational parameters of the compressor, critical for understanding its working limitations.

Type of Compressor: (e.g., reciprocating, rotary screw, scroll) Understanding this helps in troubleshooting and maintenance.

Lubrication System: (Oil-lubricated, oil-free) This influences the type of maintenance required.

By understanding these specifications, you can correctly operate your compressor within its designed parameters and avoid damage. This chapter also includes a section dedicated to deciphering common Speedaire model number codes and cross-referencing them with online resources and manufacturer documentation.

Chapter 2: Installation & Setup: A step-by-step guide to proper installation, including safety precautions.

Proper installation is paramount for safe and efficient operation. This chapter details a step-by-step process, emphasizing safety precautions at each stage:

Site Selection: Choosing a location with adequate ventilation, away from flammable materials and sources of moisture.

Foundation Preparation: Ensuring a stable and level base for the compressor.

Electrical Connections: Correctly wiring the compressor to the appropriate power source, adhering to all electrical codes and safety regulations. This includes proper grounding and the use of appropriately sized circuit breakers.

Air Line Connections: Securely connecting the air lines, ensuring proper sealing to prevent leaks and maintain pressure.

Initial Start-up: A guided process for the first run, including checks for leaks, unusual noises, and proper pressure build-up.

Safety Checks: Regularly checking for any signs of damage, leaks, or overheating before and during operation.

Detailed diagrams and illustrations are included to clarify each step, minimizing the risk of errors and ensuring safe installation.

Chapter 3: Operation & Controls: Understanding the control panel, gauges, and safe operating procedures.

This chapter focuses on the practical aspects of operating the Speedaire compressor. It covers:

Control Panel Overview: A detailed explanation of all switches, gauges, and indicators on the control panel.

Pressure Gauges: Interpreting pressure readings and understanding their significance in compressor operation.

Safety Shut-off Mechanisms: Identifying and understanding the function of safety mechanisms such as thermal overload protection and pressure relief valves.

Start-up and Shut-down Procedures: Safe and efficient procedures for starting and shutting down the compressor.

Operational Limits: Understanding the limitations of the compressor in terms of run time, duty cycle, and environmental conditions.

Troubleshooting Minor Issues: Addressing common operational problems like slow pressure build-up or unusual noises.

This section emphasizes safe operating practices and highlights potential hazards to avoid accidents.

Chapter 4: Routine Maintenance & Troubleshooting: Preventative maintenance schedules and common troubleshooting steps.

Regular maintenance is crucial for extending the life of your Speedaire compressor. This chapter provides a detailed schedule of preventative maintenance tasks:

Oil Changes: The frequency and proper procedure for changing compressor oil.

Air Filter Replacement: Regularly cleaning or replacing the air filter to maintain optimal performance.

Belt Inspections: Checking belts for wear and tear and replacing them as needed.

Visual Inspections: Regularly inspecting the compressor for leaks, damage, and signs of overheating.

Lubrication of Moving Parts: Lubricating moving parts as recommended by the manufacturer.

Additionally, this chapter provides troubleshooting steps for common problems:

Compressor Won't Start: Diagnosing and resolving issues preventing the compressor from starting.

Low Air Pressure: Identifying and resolving causes of low air pressure.

Unusual Noises: Diagnosing the source of unusual noises and taking corrective actions.

Overheating: Understanding the causes of overheating and implementing solutions.

Chapter 5: Advanced Troubleshooting & Repairs: Addressing more complex issues, including component identification and replacement.

This chapter delves into more complex troubleshooting and repair procedures:

Component Identification: Identifying individual components within the compressor system.

Wiring Diagrams: Utilizing wiring diagrams to trace electrical circuits and identify potential problems.

Advanced Diagnostics: Using advanced diagnostic tools to identify more subtle issues.

Component Replacement: Step-by-step instructions for replacing common components, such as pressure switches, unloader valves, and motors. Safety procedures are paramount in this section.

This section is intended for experienced users and technicians and emphasizes the importance of safety and proper procedures when dealing with high-pressure systems.

Chapter 6: Safety Precautions & Regulations: Understanding safety protocols and adhering to industry regulations.

Safety is paramount when working with compressed air systems. This chapter covers:

Personal Protective Equipment (PPE): The appropriate PPE to wear when operating and maintaining a Speedaire compressor (eye protection, hearing protection, etc.).

Safe Handling of Compressed Air: Safe practices for handling high-pressure air and avoiding potential hazards.

Emergency Procedures: Procedures to follow in the event of an emergency, such as a pressure leak or equipment malfunction.

Compliance with Regulations: Adhering to relevant industry safety regulations and standards.

This section stresses the importance of prioritizing safety in every aspect of compressor use and maintenance.

Chapter 7: Parts & Accessories: Locating replacement parts and essential accessories.

This chapter provides information on locating and obtaining replacement parts and accessories:

Identifying Parts: Identifying specific parts needed for repair or replacement.

Authorized Dealers: Finding authorized dealers for genuine Speedaire parts.

Online Resources: Utilizing online resources for finding parts and accessories.

Common Accessories: Identifying and obtaining common accessories such as air filters, oil, and belts.

This section facilitates easy access to necessary components for maintenance and repairs.

Conclusion: Maximizing the lifespan and efficiency of your

Speedaire compressor.

Proper maintenance and understanding of your Speedaire compressor are key to maximizing its lifespan and efficiency. This manual provides a comprehensive resource for safe and effective operation. By following the guidelines outlined in this manual, you can ensure the longevity and optimal performance of your compressor, minimizing downtime and maximizing your return on investment. Remember that regular maintenance is preventative medicine for your equipment, and understanding the operational limits will protect both your investment and your safety.

FAQs:

1. How often should I change the oil in my Speedaire compressor? Refer to your specific model's manual for recommended oil change intervals.
2. What should I do if my Speedaire compressor won't turn on? Check the power supply, circuit breaker, and fuses. If the problem persists, consult Chapter 4 for troubleshooting steps.
3. How do I identify my Speedaire compressor model number? Look for a metal plate affixed to the compressor unit; the model number is usually printed on it.
4. Where can I find replacement parts for my Speedaire compressor? Contact authorized Speedaire dealers or search online resources. (Chapter 7 provides more details).
5. What are the safety precautions when operating a Speedaire compressor? Always wear appropriate PPE, follow safe operating procedures, and be aware of potential hazards (Chapter 6 details these safety procedures).
6. How do I interpret the pressure gauges on my Speedaire compressor? The pressure gauges indicate the tank pressure and the working pressure. Refer to Chapter 3 for detailed explanation.
7. What is the duty cycle of my Speedaire compressor? This information is found in the compressor's specifications (Chapter 1).
8. What should I do if my Speedaire compressor is overheating? Turn off the compressor immediately and allow it to cool down. Identify and address the cause of the overheating (Chapter 4 provides troubleshooting guidance).
9. Can I use any type of oil in my Speedaire compressor? No, always use the type of oil specified in your compressor's manual. Using the wrong oil can damage the compressor.

Related Articles:

1. Speedaire Compressor Troubleshooting Guide: A detailed guide focusing solely on diagnosing and fixing common compressor problems.
2. Speedaire Compressor Parts Diagram: Visual diagrams of internal components for easier identification during maintenance and repair.
3. Understanding Speedaire Compressor Pressure Switches: A focused explanation of pressure switches, their function, and troubleshooting.
4. Maintaining Your Speedaire Compressor for Maximum Lifespan: Tips and advice for extending the life of your compressor through proper care.
5. Safety Regulations for Compressed Air Systems: A comprehensive guide to safety regulations and best practices for compressed air equipment.
6. Choosing the Right Speedaire Compressor for Your Needs: A guide to selecting the appropriate

compressor model based on your specific requirements.

7. Speedaire Compressor Oil Selection & Change Guide: A detailed step-by-step guide on oil selection and change procedures.

8. Common Speedaire Compressor Problems & Solutions: A quick reference guide listing common issues and their corresponding solutions.

9. Speedaire Compressor Air Filter Maintenance: A detailed explanation of air filter maintenance and replacement procedures.

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speedaire compressor manual: *Hydraulic Fracturing Operations* Nicholas P. Cheremisinoff, Anton Davletshin, 2015-01-28 Hydraulic fracturing, commonly referred to as “fracking,” is a technique used by the oil and gas industry to mine hydrocarbons trapped deep beneath the Earth’s surface. The principles underlying the technology are not new. Fracking was first applied at the commercial level in the United States as early as 1947, and over the decades it has been applied in various countries including Canada, the UK, and Russia. The author worked with engineering teams as early as the mid-1970s in evaluating ways to improve oil recovery from this practice. By and large fracking was not an economically competitive process and had limited applications until the early 2000s. Several factors altered the importance of this technology, among them being significant technological innovations in drilling practices with impressive high tech tools for exploration, well construction and integrity, and recovery along with discoveries of massive natural gas reserves in the United States and other parts of the world. These factors have catapulted the application of the technology to what is best described as the gold rush of the 21st century, with exploration and natural gas plays proceeding at a pace that seemingly is unrivaled by any historical industrial endeavor. But this level of activity has invoked widespread criticism from concerned citizens and environmental groups in almost every nation across the Globe. This outstanding new volume offers the industry a handbook of environmental management practices that can mitigate risks to the environment and, through best practices and current technologies, to conform to the current standards and regulations that are in place to provide the world with the energy it needs

while avoiding environmental damage. For the new hire, veteran engineer, and student alike, this is a one-of-a-kind volume, a must-have for anyone working in hydraulic fracturing.

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Multi-media pollution technologies are covered : air, water, solid waste, energy. Students, technicians, practicing engineers, environmental engineers, environmental managers, chemical engineers, petroleum engineers, and environmental attorneys are all professionals who will benefit from this major new reference source. The handbook is organized in three parts. Part A provides an extensive compilation of abbreviations and concise glossary of pollution control and engineering terminology. More than 400 terms are defined. The section is intended to provide a simple look-up guide to confusing terminology used in the regulatory field, as well as industry jargon. Cross referencing between related definitions and acronyms are provided to assist the user. Part B provides physical properties and chemical safety information. This part is not intended to be exhaustive; however it does provide supplemental information that is useful to a number of the subject entries covered in the main body of the handbook. Part C is the Macropedia of Subjects. The part is organized as alphabetical subject entries for a wide range of pollution controls, technologies, pollution prevention practices and tools, computational methods for preparing emission estimates and emission inventories and much more. More than 100 articles have been prepared by the author, providing a concise overview of each subject, supplemented by sample calculation methods and examples where appropriate, and references. Subjects included are organized and presented in a macropedia format to assist a user in gaining an overview of the subject, guidance on performing certain calculations or estimates as in cases pertinent to preliminary sizing and selection of pollution controls or in preparing emissions inventories for reporting purposes, and recommended references materials and web sites for more in-depth information, data or computational tools. Each subject entry provides a working overview of the technology, practice, piece of equipment, regulation, or other relevant issue as it pertains to pollution control and management. Cross referencing between related subjects is included to assist the reader to gain as much of a practical level of knowledge.

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An existing computer code that determines the flow path for an axial-flow compressor either for a given number of stages or for a given overall pressure ratio was modified for use in air-breathing engine conceptual design studies. This code uses a rapid approximate design methodology that is based on isentropic simple radial equilibrium. Calculations are performed at constant-span-fraction locations from tip to hub. Energy addition per stage is controlled by specifying the maximum allowable values for several aerodynamic design parameters. New modeling was introduced to the code to overcome perceived limitations. Specific changes included variable rather than constant tip radius, flow path inclination added to the continuity equation, input of mass flow rate directly rather than indirectly as inlet axial velocity, solution for the exact value of overall pressure ratio rather than for any value that met or exceeded it, and internal computation of efficiency rather than the use of input values. The modified code was shown to be capable of computing efficiencies that are compatible with those of five multistage compressors and one fan that were tested experimentally. This report serves as a users manual for the revised code, Compressor Spanline Analysis (CSPAN). The modeling modifications, including two internal loss correlations, are presented. Program input and output are described. A sample case for a multistage compressor is included. Glassman, Arthur J. Unspecified Center NAG3-1165; RTOP 505-69-50...

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