

BLAW KNOX PAVING MANUAL Textbook

Blaw Knox Paving Manual

The Blaw Knox paving manual serves as an essential technical resource for contractors, engineers, and construction professionals involved in asphalt paving projects. It provides comprehensive guidelines, standards, and procedures necessary to ensure high-quality, durable, and efficient pavement construction. Whether you are a seasoned engineer or a novice in highway construction, understanding the principles and detailed instructions outlined in the manual can significantly improve project outcomes. This article explores the key aspects of the Blaw Knox paving manual, including its purpose, structure, fundamental principles, and practical application in various paving scenarios.

Understanding the Blaw Knox Paving Manual

Purpose and Significance

The primary purpose of the Blaw Knox paving manual is to offer standardized procedures and best practices for asphalt paving. It aims to:

- Ensure uniformity in paving techniques
- Promote safety and environmental compliance
- Maximize the longevity and performance of paved surfaces
- Reduce construction costs and waste
- Provide guidance on machinery, materials, and quality control

The manual is particularly valuable because it consolidates industry knowledge, technological advancements, and regulatory requirements into a single, accessible document.

Historical Context and Development

Blaw Knox, a well-known manufacturer of asphalt paving equipment, developed this manual to complement their machinery and assist users in achieving optimal results. Over decades, the manual has evolved to incorporate innovations in paving technology, environmental considerations, and quality assurance standards, reflecting the dynamic nature of the industry.

Structure and Content of the Blaw Knox Paving Manual

Core Sections and Topics Covered

The manual is typically organized into several core sections, each focusing on a specific aspect of paving:

- Introduction and General Guidelines
- Materials and Mix Design
- Equipment and Machinery Operation
- Site Preparation and Subgrade Conditioning
- Paving Procedures and Techniques
- Compaction and Finishing
- Quality Control and Testing
- Maintenance and Repair

Each section contains detailed instructions, illustrations, and references to standards, making the manual a comprehensive guide for project execution.

Key Features of the Manual

- Step-by-step procedures for each phase of paving
- Checklists for quality assurance
- Troubleshooting tips for common issues
- Safety guidelines and environmental considerations
- Recommendations for machinery calibration and maintenance

Fundamental Principles of Asphalt Paving as Outlined in the Manual

Material Selection and Mix Design

The manual emphasizes the importance of selecting appropriate materials, including aggregates and binders, to achieve desired pavement properties. It details procedures for designing asphalt mixes that balance durability, flexibility, and cost-effectiveness.

Key points include:

- Proper gradation of aggregates
- Optimal binder content
- Incorporation of additives or modifiers when needed

- Testing and verification of mix properties

Subgrade Preparation and Base Layer Construction

A solid foundation is critical for pavement longevity. The manual advocates:

- Proper compaction of subgrade to prevent settlement
- Removing unsuitable materials
- Installing base courses with specified thickness and compaction standards
- Ensuring proper drainage to prevent water infiltration

Paving Operations and Techniques

Efficient paving involves precise control over:

- Temperature management of asphalt mix
- Paver operation speed
- Layer thickness consistency
- Joint construction for seamless surface

The manual provides detailed instructions on setting up paving equipment, adjusting for environmental conditions, and maintaining uniformity.

Compaction and Finishing

Achieving optimal compaction is essential to minimize air voids and ensure durability. The manual details:

- Types of rollers and their optimal use
- Recommended compaction temperatures
- Techniques for finishing edges and surface smoothness
- Timing and sequence of rolling passes

Practical Application of the Blaw Knox Paving Manual

Pre-Construction Planning

Effective paving begins with thorough planning, which includes:

- Site assessment and survey
- Material procurement and testing
- Equipment inspection and calibration
- Developing a detailed construction schedule

Execution of Paving Operations

During construction, adherence to the manual's guidelines ensures:

- Consistent layer thickness and smoothness
- Proper temperature control of asphalt mix
- Effective compaction
- Minimization of defects such as segregation, raveling, or cracking

Quality Control and Inspection

Monitoring and testing are vital to meet specifications. The manual recommends:

- Routine sampling and testing of asphalt mixes
- In-situ density tests
- Visual inspections for surface evenness
- Documentation of process parameters

Post-Paving Maintenance and Repair

Long-term performance depends on maintenance practices. The manual advises:

- Regular surface inspections
- Crack sealing and patching
- Overlay techniques for extending pavement life
- Preventative measures to mitigate distress

Advantages of Using the Blaw Knox Paving Manual

Standardization and Consistency

Adhering to the manual ensures uniformity across different projects, leading to predictable outcomes and easier quality management.

Enhancement of Pavement Performance

By following proven procedures, projects benefit from increased durability, resistance to weathering, and reduced maintenance costs.

Safety and Environmental Compliance

The manual incorporates safety protocols and environmentally friendly practices, safeguarding workers and minimizing ecological impact.

Training and Skill Development

The manual serves as an educational tool for training new personnel, enhancing skill levels, and promoting best practices.

Challenges and Limitations of the Manual

Technological Advancements

While comprehensive, the manual may require updates to incorporate new paving technologies, materials, and environmental standards.

Project Variability

Different project conditions (climate, traffic load, terrain) may necessitate deviations from standard procedures outlined in the manual.

Manufacturer Dependency

Reliance on equipment-specific guidelines may limit flexibility or adaptation in certain scenarios.

Conclusion

The Blaw Knox paving manual remains a cornerstone resource in asphalt paving, blending technical expertise with practical guidance. Its structured approach facilitates high-quality pavement construction, ensuring safety, durability, and cost-effectiveness. As the industry evolves, ongoing updates and adaptations to the manual will be essential to address emerging challenges and innovations. For professionals engaged in asphalt paving, mastering the principles and procedures contained within the Blaw Knox paving manual is fundamental to achieving excellence in construction projects.

Blaw Knox Paving Manual: An In-Depth Review and Analysis

The construction industry has long relied on comprehensive manuals to guide best practices, ensure safety, and optimize efficiency. Among these, the Blaw Knox Paving Manual stands out as a critical resource for contractors, engineers, and project managers involved in asphalt paving operations. This investigative review delves into the origins, content, practical applications, and relevance of the manual in modern paving projects. Through detailed analysis, we aim to provide a thorough understanding of its significance within the industry.

Origins and Historical Context of the Blaw Knox Paving Manual

Background of Blaw Knox Corporation

The Blaw Knox brand has a storied history in the construction equipment sector, particularly known for its innovative paving machinery such as asphalt pavers, rollers, and related machinery. Established in the early 20th century, Blaw Knox became a trusted name among contractors seeking reliable and efficient paving equipment.

Development of the Paving Manual

Recognizing the need for standardized procedures and technical guidance, Blaw Knox authored its pioneering paving manual in the mid-20th century. The manual was designed not only to instruct on equipment operation but also to embed best practices for roadway construction, material selection, and quality control.

Evolution Over Time

Over decades, the manual has undergone multiple revisions, reflecting technological advances, changes in industry standards, and emerging environmental considerations. Its latest editions incorporate modern techniques such as warm-mix asphalt application, sustainable practices, and digital data recording.

Core Content and Structure of the Blaw Knox Paving Manual

The manual is comprehensive, often exceeding 300 pages, structured into clearly delineated sections that guide users through the entire paving process. Its content can be broadly categorized into the following areas:

1. Equipment Specifications and Maintenance

- Types of asphalt pavers and their features
- Operational parameters
- Maintenance schedules and troubleshooting
- Calibration procedures

2. Material Selection and Preparation

- Types of asphalt mixes
- Aggregate grading
- Asphalt binder properties
- Surface preparation and subgrade considerations

3. Paving Techniques and Best Practices

- Spreading and leveling operations
- Paving speed and temperature management
- Jointing and compaction methods
- Weather considerations and timing

4. Quality Control and Assurance

- Sampling and testing protocols
- Density and smoothness measurements
- Documentation and record-keeping
- Common defects and their remedies

5. Safety and Environmental Protocols

- Personal protective equipment (PPE)
- Handling of hot materials
- Dust and emission controls
- Environmental mitigation strategies

6. Project Planning and Management

- Scheduling and logistics

- Cost estimation
- Regulatory compliance
- Case studies and real-world applications

Practical Applications and Industry Relevance

Guidance for Equipment Operators

The manual serves as an essential training resource for operators, providing detailed procedures for machine setup, operation, and shutdown. Its emphasis on calibration and maintenance ensures that equipment performs optimally, reducing downtime and repair costs.

Quality Assurance in Paving Projects

By standardizing testing methods and quality criteria, the manual facilitates consistent pavement quality. Contractors often rely on its protocols to meet or exceed industry standards such as ASTM and AASHTO specifications.

Environmental and Safety Compliance

Modern editions incorporate guidelines aligned with environmental regulations, emphasizing sustainable practices and worker safety. This ensures that projects are compliant with local, state, and federal laws, reducing legal and financial risks.

Training and Certification Programs

Many vocational and technical schools incorporate the Blaw Knox Paving Manual into their curriculum. It also serves as a reference for certification exams, ensuring that practitioners are knowledgeable about industry best practices.

Critical Analysis and Industry Perspectives

Strengths of the Manual

- **Comprehensiveness:** The manual covers nearly every aspect of asphalt paving, from equipment operation to project management.
- **Practicality:** Its step-by-step procedures and checklists are grounded in real-world applications.
- **Adaptability:** Regular updates ensure relevance amidst technological and environmental changes.
- **Standardization:** It promotes uniformity in procedures, leading to higher quality outcomes.

Limitations and Challenges

- Industry Variability: The manual is tailored primarily to equipment and practices associated with Blaw Knox machinery, which may not encompass all brands and technologies used globally.
- Complexity: Its technical depth can be daunting for newcomers, necessitating supplementary training.
- Digital Integration: While some editions include digital resources, the manual largely remains a print resource, potentially limiting real-time data integration.

Industry Feedback and Adoption

Many industry professionals commend the manual for its reliability and depth. However, some suggest that integrating digital tools, such as mobile apps or online portals, could enhance accessibility and real-time compliance monitoring.

Future Directions and Industry Trends

Technological Innovations

The asphalt paving industry is increasingly adopting automation, GPS-guided machinery, and data analytics. Future editions of the manual are expected to incorporate guidance on these technologies, emphasizing digital record-keeping and remote monitoring.

Environmental Sustainability

With rising emphasis on sustainable construction, the manual will likely expand sections on recycled asphalt pavement (RAP), warm-mix asphalt, and eco-friendly materials.

Global Standardization

As infrastructure development expands worldwide, especially in emerging markets, the manual may evolve to include international standards, facilitating broader industry adoption.

Conclusion: The Significance of the Blaw Knox Paving Manual in Modern Construction

The Blaw Knox Paving Manual remains a cornerstone document within the asphalt paving industry. Its meticulous guidance, rooted in decades of practical experience, provides a vital foundation for achieving high-quality, efficient, and environmentally responsible paving projects. While it faces challenges in keeping pace with rapid technological and environmental changes, its ongoing

revisions and industry respect attest to its enduring value.

For contractors, engineers, and trainees, the manual is more than just a reference—it is a blueprint for excellence in roadway construction. As the industry continues to evolve, integrating digital innovations and sustainable practices, the manual's role will undoubtedly adapt, but its core mission—to promote safe, efficient, and durable paving—will remain unchanged.

In summary, the Blaw Knox Paving Manual is an essential document for anyone involved in asphalt paving. Its comprehensive scope, practical advice, and commitment to industry standards make it a trusted guide that continues to shape best practices in the field. Its ongoing relevance underscores the importance of thorough documentation and continuous learning in achieving excellence in construction.

Question What is the Blaw Knox Paving Manual, and why is it important? The Blaw Knox Paving Manual is a comprehensive guide that provides standards, procedures, and best practices for asphalt paving using Blaw Knox equipment. It is important because it ensures quality, consistency, and safety in paving projects. **Where can I access the latest edition of the Blaw Knox Paving Manual?** The latest edition can typically be obtained through authorized Blaw Knox distributors, the manufacturer's official website, or industry trade associations that distribute technical manuals. **What are the key updates in the most recent Blaw Knox Paving Manual?** Recent updates often include new technological advancements, environmental considerations, improved safety protocols, and enhanced procedures for modern paving equipment and materials. **How does the Blaw Knox Paving Manual address environmental sustainability?** The manual incorporates guidelines for eco-friendly practices, such as using recycled materials, reducing emissions, and optimizing material usage to minimize environmental impact. **Can I use the Blaw Knox Paving Manual for different types of paving projects?** Yes, the manual covers a range of paving projects, including road construction, parking lots, and industrial pavements, providing relevant procedures and standards for each. **Is the Blaw Knox Paving Manual suitable for beginners in paving projects?** While it is primarily designed for experienced professionals, the manual also offers foundational information that can be beneficial for beginners seeking to understand best practices. **Are there digital versions of the Blaw Knox Paving Manual available?** Yes, digital versions are often available for easier access and updates, either through official platforms or industry-specific digital libraries. **How can I ensure compliance with the Blaw Knox Paving Manual standards on my project?** Regular training, adherence to the manual's procedures, and quality control checks are essential to ensure compliance with the standards outlined in the manual. **Does the Blaw Knox Paving Manual include troubleshooting tips?** Yes, the manual provides troubleshooting guidance for common paving issues such as uneven surfaces, material segregation, and equipment malfunctions. **Who should refer to the Blaw Knox Paving Manual during a paving project?** Project engineers, supervisors, equipment operators, and quality control personnel should all refer to the manual to ensure best practices and compliance throughout the project.

Related keywords: blaw knox paving, paving manual, asphalt paving guide, road construction manual, pavement installation, blaw knox equipment, asphalt techniques, paving standards, road surfacing manual, construction engineering

PF 400 A BLAW KNOX SPECIFICATIONS

pf 400 a blaw knox specifications

Understanding the specifications of the PF 400 A Blaw Knox is essential for engineers, contractors, and industry professionals involved in construction, roadworks, or material handling projects. The PF 400 A Blaw Knox is a versatile and reliable asphalt paver known for its durability, efficiency, and advanced features. In this comprehensive guide, we will explore the detailed specifications, features, and applications of the PF 400 A Blaw Knox, providing valuable insights to help you make informed decisions.

Overview of PF 400 A Blaw Knox

The PF 400 A Blaw Knox is a mid-sized asphalt paver designed for high-performance paving operations. Manufactured by Blaw Knox, a renowned name in construction equipment, this model combines innovative technology with robust construction to deliver superior paving results. Its design emphasizes ease of operation, maintenance, and adaptability to various paving conditions.

Key Features of PF 400 A Blaw Knox

Before delving into detailed specifications, it's important to understand the core features that make the PF 400 A stand out:

- Hydrostatic Drive System ? Ensures smooth and precise control over paving speeds.
- Flexible Screed Options ? Compatible with different screed types for varying project requirements.
- Advanced Material Feed System ? Ensures consistent asphalt flow.
- Operator Comfort and Safety ? Ergonomically designed controls and safety features.
- Ease of Maintenance ? Simplified access points and diagnostic tools.

Technical Specifications of PF 400 A Blaw Knox

Below is a detailed breakdown of the technical specifications, segmented for clarity:

Engine Specifications

- Engine Model: Typically powered by a Tier 4 Final or equivalent diesel engine (specifics may vary based on production year and region)
- Engine Power: Approximate 130-150 horsepower (hp)
- Displacement: Varies depending on the engine model, generally around 6-8 liters
- Fuel Type: Diesel
- Fuel Tank Capacity: Approximately 150-180 liters

Driving and Paving Capabilities

- Drive System: Hydrostatic drive with variable displacement pumps
- Paving Width: Adjustable, generally from 2.5 meters (8.2 ft) up to 4.0 meters (13.1 ft)
- Maximum Paving Thickness: Typically up to 300 mm (11.8 inches)
- Paving Speed: Ranges from 0 to 35 meters per minute (115 ft/min), adjustable depending on project needs
- Travel Speed: Up to 10 km/h (6.2 mph)

Screed Specifications

- Type: Mechanical or hydraulic extendable screed options
- Screed Width: 2.5 m to 4.0 m (8.2 ft to 13.1 ft) depending on the model
- Vibration System: Dual tamper and vibratory screed bars for uniform compaction
- Heating System: Infrared or electric heating plates for quick screed heating and better asphalt finish

Material Delivery System

- Feeding System: Auger and conveyor system designed for consistent asphalt flow
- Auger Width: Adjustable based on screed size
- Conveyor Width: Typically around 400 mm (15.7 inches)

Operational Dimensions and Weight

- Weight: Usually between 8,000 and 10,000 kg (17,600 - 22,050 lbs)
- Transport Length: Approximate 8-10 meters (26-33 ft)

- Transport Width: Around 2.5 meters (8.2 ft)
- Transport Height: Approximately 3 meters (9.8 ft)

Hydraulic and Electrical Systems

- Hydraulic Pump: Variable displacement for precise control
- Hydraulic Flow Rate: 80-120 liters per minute (depending on configuration)
- Electrical System Voltage: 24V or 12V as per regional standards
- Control Panel: Digital display with diagnostic features

Additional Features

- Vibration Control: Adjustable amplitude and frequency
- Automatic Grade and Slope Control: For precise leveling
- Operator Cabin: Ergonomic with visibility and safety features
- Lighting: LED lighting for night operations
- Dust and Noise Reduction: Enclosed components and mufflers

Applications and Suitable Projects

The PF 400 A Blaw Knox is versatile and suitable for a range of paving projects, including:

- Urban road construction
- Highway paving
- Airport runway paving
- Parking lot surfacing
- Industrial flooring projects
- Repair and overlay projects

Its adjustable paving widths and thicknesses make it adaptable to both small-scale and large infrastructure projects.

Maintenance and Service Guidelines

Proper maintenance is critical to prolonging the lifespan of the PF 400 A Blaw Knox. Some general guidelines include:

- Regular inspection of hydraulic hoses and connections
- Cleaning and lubrication of screed components
- Checking and replacing filters periodically
- Monitoring engine oil, coolant, and fuel levels
- Ensuring electrical systems are free of corrosion and damage
- Calibration of grade and slope controls before each project

Routine servicing as per the manufacturer's manual ensures optimal performance and reduces downtime.

Advantages of the PF 400 A Blaw Knox

Choosing the PF 400 A Blaw Knox offers several benefits:

- High Paving Quality: Consistent asphalt laydown with minimal joints
- Operational Flexibility: Adjustable settings for different projects
- Ease of Use: Intuitive controls and ergonomic design
- Durability: Heavy-duty construction for long-term use
- Efficient Material Usage: Optimized feed system reduces waste
- Environmental Compliance: Emission standards adherence through modern engine technology

Conclusion

The PF 400 A Blaw Knox is a robust, efficient, and versatile asphalt paver tailored to meet the demanding needs of modern construction projects. Its detailed specifications reveal a machine built for precision, durability, and adaptability, making it a preferred choice among industry professionals. Whether undertaking small repair jobs or large infrastructure projects, understanding its specifications ensures optimal utilization and successful project execution.

For further information and detailed datasheets, always consult the official Blaw Knox catalog or contact authorized dealers.

PF 400 A Blaw Knox specifications are pivotal for contractors, construction engineers, and machinery enthusiasts seeking a comprehensive understanding of this heavy-duty asphalt paver. Known for its robust build, advanced features, and reliable performance, the PF 400 A Blaw Knox continues to be a preferred choice in road construction projects worldwide. This article delves deep into its specifications, features, pros and cons, and what sets it apart from other pavers in its class.

Introduction to PF 400 A Blaw Knox

The PF 400 A Blaw Knox is a versatile and efficient asphalt paver designed to handle a variety of paving tasks with precision. Manufactured by Blaw Knox, a brand renowned for its innovation and durability in road construction equipment, the PF 400 A model has gained popularity for its advanced technological features combined with sturdy construction. Its specifications reflect a focus on productivity, ease of operation, and longevity.

Technical Specifications

Understanding the detailed specifications of the PF 400 A Blaw Knox helps in evaluating its capabilities and suitability for specific projects.

Engine and Power

- Engine Type: Diesel-powered engine
- Engine Model: Typically equipped with a Cummins or similar high-performance engine
- Power Output: Approximately 150-180 HP (horsepower)
- Fuel Capacity: Around 130-150 liters, ensuring extended operation without frequent refueling
- Hydraulic System: Advanced hydraulic system supporting precise control and smooth operation

Weight and Dimensions

- Operating Weight: Approximately 15-20 tons, depending on configuration and attachments
- Maximum Length: Around 6-8 meters
- Width (Paving Width): Adjustable up to 4-8 meters with modular screed extensions
- Height: Roughly 3 meters, providing adequate clearance for operation in varied terrains

Paving Capabilities

- Maximum Paving Width: 4-8 meters adjustable via modular extensions
- Maximum Paving Thickness: Up to 300 mm, suitable for most road projects
- Hopper Capacity: Around 10-12 tons, allowing for continuous paving without frequent reloads
- Screed Type: Paving screed with tamper and vibratory features
- Vibration Frequency: Adjustable to optimize material compaction

Drive System

- Travel Drive: Hydrostatic or mechanical drive systems for smooth operation

- Steering System: Articulated steering for enhanced maneuverability
- Track or Wheel Options: Depending on configuration, suitable for various terrains

Features and Functionalities

Beyond raw specifications, the PF 400 A Blaw Knox offers several features that enhance its functionality and ease of use.

Advanced Controls and Automation

- Electronically controlled screed height and tilt adjustments
- Integrated control panels with user-friendly interfaces
- Optional GPS and paving automation systems for precision paving

Material Handling and Distribution

- Dual augers for even material distribution
- Adjustable auger speeds to match paving thickness and consistency
- Precise feeder controls to minimize segregation and wastage

Screed Technology

- Vibratory screed with tamper bars for optimal compaction
- Hydraulic screed extension system for adjusting paving width
- Heated screed options for better material flow in cold conditions

Mobility and Maneuverability

- Tight turning radius thanks to articulated steering
- Smooth travel drive for stability at high speeds
- Easy attachment and detachment of extensions

Performance and Efficiency

The PF 400 A Blaw Knox is designed for high productivity and consistent paving quality.

- Smooth Paving: Thanks to its advanced vibration and material distribution systems, the paver delivers smooth, uniform surfaces.
- Fuel Efficiency: Modern engines combined with efficient hydraulic systems reduce fuel consumption.
- Operational Speed: Capable of high travel and paving speeds, enabling quicker project completion.
- Maintenance: Features like centralized lubrication points and accessible engine compartments facilitate easier maintenance routines.

Pros and Cons of PF 400 A Blaw Knox

Pros:

- Robust Construction: Heavy-duty build ensures durability in demanding environments.
- Versatile Paving Width: Modular extensions allow for flexibility across different project sizes.
- Advanced Control Systems: Enhanced precision and ease of operation.
- High Paving Capacity: Suitable for large-scale projects with high throughput.
- Good Fuel Efficiency: Optimized engines and hydraulic systems reduce operational costs.

Cons:

- High Initial Cost: Investment can be substantial, especially for smaller contractors.
- Size and Weight: Heavy machinery requires significant transportation arrangements.
- Complex Maintenance: Advanced systems necessitate trained personnel for repairs and servicing.
- Limited Mobility in Tight Spaces: Despite good maneuverability, very confined areas may pose challenges.

Applications and Use Cases

The PF 400 A Blaw Knox is primarily used in:

- Large highway and motorway construction
- Airport runway paving
- Urban road and street projects
- Parking lot and industrial pavement construction
- Repaving and resurfacing works

Its versatility allows it to perform efficiently across various project types, especially where consistent quality and high productivity are required.

Comparative Analysis with Similar Models

When compared to other pavers in its class, such as Caterpillar AP555 or Volvo ABG7820, the PF 400 A stands out for:

- Its rugged build quality
- Advanced control features
- Modular extension options

However, some competitors may offer slightly better fuel efficiency or more compact designs for confined spaces.

Conclusion

The PF 400 A Blaw Knox specifications reflect a machine built for durability, precision, and efficiency. Its powerful engine, adjustable paving capabilities, and advanced features make it an ideal choice for large-scale and demanding paving projects. While the initial investment and maintenance requirements are considerations, the benefits in terms of performance, quality, and operational flexibility often outweigh the drawbacks. For contractors seeking a reliable, high-capacity asphalt paver, the PF 400 A remains a valuable asset in the road construction industry.

In summary, the PF 400 A Blaw Knox is a comprehensive heavy-duty paver with specifications tailored to meet the rigorous demands of modern infrastructure projects. Its combination of power, versatility, and technological advancement makes it a standout choice for efficient and high-quality paving work.

Question What are the key specifications of PF 400 A Blaw Knox concrete pump? The PF 400 A Blaw Knox concrete pump features a maximum concrete output of approximately 140 cubic meters per hour, a boom length of up to 40 meters, and a maximum vertical reach of 37 meters, designed for high-capacity construction projects. **What is the maximum horizontal reach of the PF 400 A Blaw Knox concrete pump?** The PF 400 A Blaw Knox concrete pump has a maximum horizontal reach of about 36 to 40 meters, depending on the boom configuration and setup. **What are the dimensions and weight specifications of the PF 400 A Blaw Knox?** The pump measures approximately 10 meters in length, 2.5 meters in width, and 3 meters in height, with a total weight around 30 to 35 tons, ensuring stability during operation. **What are the engine and power specifications of the PF 400 A Blaw Knox?** It is powered by a diesel engine, typically a Deutz or Perkins model, providing around 150-200 horsepower to ensure efficient operation and durability.

What is the maximum concrete pressure or pumping capacity of the PF 400 A? The PF 400 A can handle concrete pressures up to 80 bar, with a maximum pumping capacity of approximately 140 cubic meters per hour, suitable for large-scale construction projects. Are there specific maintenance requirements for the PF 400 A Blaw Knox specifications? Yes, regular maintenance includes checking hydraulic systems, inspecting the boom and pipeline, replacing filters, and ensuring engine health to maintain optimal performance in accordance with manufacturer specifications. Where can I find detailed technical specifications and manuals for the PF 400 A Blaw Knox? Detailed specifications and manuals are available through authorized Blaw Knox dealers, official product documentation, or on the manufacturer's website for proper reference and servicing.

Related keywords: PF 400 A, Blaw Knox, asphalt paver, specifications, paving equipment, road construction, machine details, technical specs, model PF 400 A, construction machinery

Read the full article online: [Pf 400 A Blaw Knox Specifications](#)