

Gardner Denver Pump Manual

Bulletin 07-01-212
Version 2



Model THE
HORIZONTAL DRILLING DUTY PUMP



SPECIFICATIONS:
Maximum BHP: 215 (160 kw)
Maximum RPM: 300
No. of Plungers: 3
Stroke Length: 5 in. (127 mm)
Plunger Load: 37,000 lbs. (16,965 kg)
Discharge Hydrostatic Test Pressure
3,600 psi (1,633 kg/cm²)
Oil Capacity: 12 gal. (45 liters)
Pump Weight: 3,990 lbs. (1,810 kg)

PERFORMANCE RATINGS															
Piston/Liner Size		Displacement per Revolution		Displacement at Pump RPM											
				50				100				150			
				GPM	LPM	PSI	kg/cm ²	GPM	LPM	PSI	kg/cm ²	GPM	LPM	PSI	kg/cm ²
5" Cast Fluid End															
4	102	0.816	3.089	41	154	2944	206	82	309	2944	206	122	463	2718	191
4.5	114	1.032	3.907	52	195	2326	163	103	391	2326	163	155	588	2100	148
5	127	1.274	4.824	64	241	1884	132	127	482	1884	132	191	724	1700	120
5.5	140	1.542	5.837	77	292	1567	109	154	584	1557	109	231	876	1435	100
Input Power:		BHP		79				156				215			
		kW		59				116				160			

Piston/Liner Size		Displacement per Revolution		Displacement at Pump RPM											
				200				250				300			
				GPM	LPM	PSI	kg/cm ²	GPM	LPM	PSI	kg/cm ²	GPM	LPM	PSI	kg/cm ²
5" Cast Fluid End															
4	102	.816	3.089	163	618	2034	143	204	772	1625	114	245	927	1354	95
4.5	114	1.032	3.907	206	781	1600	112	258	977	1280	90	310	1173	1070	75
5	127	1.274	4.824	255	965	1300	91	319	1206	1040	73	383	1448	870	61
5.5	140	1.542	5.837	308	1167	1076	76	386	1460	860	60	462	1752	720	51
Input Power:		BHP		215				215				215			
		kW		160				160				160			

Gardner Denver pump manual is an essential resource for anyone who owns or operates Gardner Denver pumps. These pumps are widely used in various industries due to their reliability, efficiency, and durability. Understanding how to properly operate, maintain, and troubleshoot these pumps is crucial for ensuring optimal performance and longevity. In this article, we will explore the key aspects of the Gardner Denver pump manual, including its purpose, structure, and the valuable information it contains.

Purpose of the Gardner Denver Pump Manual

The primary purpose of the Gardner Denver pump manual is to provide users with comprehensive guidance on the operation, maintenance, and troubleshooting of Gardner Denver pumps. The manual serves several key functions:

- **Operational Guidance:** It outlines the proper procedures for operating different models of Gardner Denver pumps, ensuring that users can achieve maximum efficiency and performance.
- **Maintenance Instructions:** Regular maintenance is essential for prolonging the lifespan of pumps. The manual provides detailed maintenance schedules and procedures to help users keep their pumps in optimal condition.
- **Troubleshooting Tips:** When issues arise, the manual contains diagnostic procedures and solutions for common problems, enabling users to quickly address and resolve issues.
- **Safety Information:** Safety is paramount when working with industrial equipment. The manual includes safety guidelines to prevent accidents and injuries during operation and maintenance.

Structure of the Gardner Denver Pump Manual

A typical Gardner Denver pump manual is organized into several sections, each addressing different aspects of the pump's operation and maintenance. Understanding this structure can help users quickly locate the information they need.

1. Introduction

The introduction section typically provides an overview of the pump model, its applications, and the importance of proper operation and maintenance. It may also include a brief history of Gardner Denver as a company.

2. Safety Precautions

This section outlines essential safety measures that operators should follow to prevent accidents and injuries. It emphasizes the importance of personal protective equipment (PPE) and safe operating procedures.

3. Technical Specifications

This part of the manual includes detailed technical specifications for the pump, such as:

1. Model Number
2. Flow Rate

3. Maximum Pressure
4. Power Requirements
5. Dimensions and Weight

Understanding these specifications is critical for ensuring that the pump is suitable for the intended application.

4. Operation Instructions

The operation instructions section provides step-by-step guidelines on how to operate the pump correctly. This may include:

- Preparation before starting the pump
- Starting and stopping procedures
- Adjusting settings for optimal performance
- Monitoring operational parameters

By following these instructions, users can ensure efficient and safe pump operation.

5. Maintenance Guidelines

Regular maintenance is crucial for extending the life of any pump. This section details:

- Routine maintenance tasks and schedules
- Inspection procedures
- Cleaning and lubrication requirements
- Replacement parts and their intervals

The manual may also provide checklists to help users keep track of maintenance tasks.

6. Troubleshooting

Even with proper maintenance, issues may still arise. This section helps users diagnose common problems based on symptoms and outlines potential solutions. Common issues might include:

- Pump not starting
- Unusual noises during operation
- Low flow or pressure
- Leakage

Understanding these problems and how to address them can save time and money in repairs.

7. Parts and Service Information

This section provides information on obtaining replacement parts, including part numbers and recommended suppliers. It may also outline warranty information and service options available for the pump.

Importance of Following the Gardner Denver Pump Manual

Using the Gardner Denver pump manual is critical for several reasons:

1. Ensuring Safety

Following the safety precautions outlined in the manual minimizes the risk of accidents and injuries. The manual provides essential guidelines that operators must adhere to for safe operation.

2. Maximizing Efficiency

Proper operation and maintenance, as detailed in the manual, ensure that the pump operates at peak efficiency. This can lead to lower operating costs and increased productivity.

3. Extending Lifespan

Regular maintenance, as recommended in the manual, prevents premature wear and tear, ultimately extending the lifespan of the pump. This translates to fewer replacements and lower long-term costs.

4. Reducing Downtime

By following troubleshooting tips and conducting regular maintenance, users can identify and address issues before they escalate, reducing unexpected downtime and ensuring continuous operation.

Common Models of Gardner Denver Pumps

Gardner Denver offers a variety of pump models, each designed for specific applications. Some of the most popular models include:

- **GD 15:** A compact and efficient pump ideal for small to medium-sized operations.
- **GD 25:** Known for its reliability and high flow rates, suitable for larger applications.
- **GD 50:** A heavy-duty pump designed for industrial applications requiring robust performance.
- **GD 100:** Offers high pressure and flow capabilities, ideal for demanding environments.

Each of these models has its own specific manual, which provides tailored guidance for users.

Conclusion

The Gardner Denver pump manual is an invaluable resource for anyone who operates or maintains Gardner Denver pumps. By adhering to the guidelines outlined in the manual, users can ensure safe operation, maximize efficiency, and extend the lifespan of their pumps. Whether you are a seasoned operator or a newcomer to the industry, familiarizing yourself with the manual will undoubtedly lead to better performance and fewer issues in the long run. Always keep the manual accessible and refer to it regularly to get the most out of your Gardner Denver pump.

Frequently Asked Questions

What is a Gardner Denver pump manual?

A Gardner Denver pump manual is a comprehensive guide that provides detailed specifications,

operating instructions, maintenance tips, and troubleshooting advice for various models of Gardner Denver pumps.

Where can I find a PDF version of the Gardner Denver pump manual?

PDF versions of Gardner Denver pump manuals can typically be found on the official Gardner Denver website under the 'Resources' or 'Support' sections, or by contacting their customer service for assistance.

What types of pumps are covered in the Gardner Denver pump manual?

The Gardner Denver pump manual covers a range of pump types, including centrifugal pumps, positive displacement pumps, and air compressors, detailing their unique features and operational guidelines.

How often should I refer to the Gardner Denver pump manual for maintenance?

It is recommended to refer to the Gardner Denver pump manual at least once every six months for routine maintenance checks and procedures, or more frequently based on usage and operating conditions.

What are common troubleshooting steps in the Gardner Denver pump manual?

Common troubleshooting steps include checking for power supply issues, inspecting for leaks, verifying pump alignment, and consulting the manual for specific error codes or operational anomalies.

Can I get technical support for my Gardner Denver pump if I have the manual?

Yes, having the Gardner Denver pump manual can facilitate technical support, as it provides reference points for issues encountered, making it easier for support staff to assist you.

Is there a difference between the Gardner Denver pump manual for different models?

Yes, each model of Gardner Denver pump may have specific manuals detailing unique operational procedures, maintenance schedules, and parts lists, so it is important to refer to the manual that corresponds to your specific model.

What safety precautions are highlighted in the Gardner Denver pump manual?

The Gardner Denver pump manual highlights several safety precautions, including wearing appropriate personal protective equipment (PPE), ensuring proper electrical connections, and

Basis Point

□□□□□□□□0.25□ □□□□ ...

bp -

Jul 6, 2024 · BP Business Plan
BP Business Plan “ ”
BP
...

m2RTL9220ASM2364 - 0000 ...

Jun 7, 2024 · m2RtL9220ASM2364ITGZRtL922020G
 , (), - ...

rtl9220 - 0000 (0) - Chiphell - 00000 ...

Nov 23, 2024 · rtl9220, windows 10 itgz m2 usb3.0
 windows ...

RTL9220 - 100MHz (1) - Chipell - 100MHz ...

Nov 22, 2023 · RTL9220, 20g nvme pm9a1 20 AS SSD, ...

RTL9210B1.33.7.191023 - Chipell - ...

May 12, 2024 · RTL9210B□□□

133.7.191023, <https://www.station-drivers.com/index.php/en/component/remository/Drivers/Realtek/NVMe-USB-3.1/Realtek>
...

9220□□□□□□□□□□□□□□□□□□ - □□□□ (□)

[May 8, 2025](#) · [9220] ... B Color Image Link Quote Code Smilies

nvme - Chipell - ...

Aug 29, 2024 · nvme[...], [...]9210B[...]9220B,[...]USB4[...]
[...] ... , [...] (...

9210 4K Jmicron - ...

Nov 16, 2023 · 9210µm4Kµmicron, 23µm, (), - , Chiphell -

□□□□□□□□□□□□ - □□□□

[illegible]

9920

`9920` APP `9920`

...

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

4 5 LW-9219 6 ...

Access the comprehensive Gardner Denver pump manual for essential maintenance tips and

troubleshooting advice. Learn more to keep your pump running smoothly!

[Back to Home](#)