

goodman ck36 1b specs

Goodman CK36 1B specs are essential for anyone considering a Goodman air conditioning unit. Goodman is a well-respected name in the HVAC industry, known for producing reliable and efficient heating and cooling systems. The CK36 1B is a popular choice among homeowners due to its performance, durability, and cost-effectiveness. In this article, we will delve into the specifications of the Goodman CK36 1B, exploring its features, performance metrics, and other relevant information to help you make an informed decision.

Overview of the Goodman CK36 1B

The Goodman CK36 1B is a 3-ton air conditioning unit that operates efficiently to provide cooling for residential spaces. It is designed to meet various needs, from small homes to larger residences, ensuring optimal comfort during the hot summer months. The unit is equipped with advanced technology to minimize energy consumption while maximizing cooling capacity.

Key Features

- **Cooling Capacity:** The Goodman CK36 1B has a cooling capacity of 36,000 BTU, making it suitable for spaces ranging from 1,500 to 2,100 square feet, depending on factors like insulation and heat gain.
- **SEER Rating:** The unit boasts a Seasonal Energy Efficiency Ratio (SEER) rating of up to 14, indicating its energy efficiency. A higher SEER rating can lead to significant savings on energy bills.
- **Refrigerant Type:** The CK36 1B uses R-410A refrigerant, which is known for its environmentally friendly properties and efficiency in heat transfer.
- **Durability:** The unit features a robust construction, including a galvanized steel cabinet with a powder-coated finish to resist corrosion and weather damage.
- **Compressor:** The Goodman CK36 1B is equipped with a high-efficiency scroll compressor, known for its quiet operation and reliability.

Technical Specifications

The Goodman CK36 1B comes with several technical specifications that highlight its performance and efficiency. Understanding these specs is crucial for determining if this unit is the right fit for your cooling needs.

Dimensions and Weight

- Dimensions:
- Height: 30 inches
- Width: 29 inches
- Depth: 29 inches
- Weight: Approximately 210 lbs

The compact design allows for easy installation and integration into various settings, whether it's a residential home or a light commercial space.

Electrical Specifications

- Voltage: 208/230 volts
- Phase: Single-phase
- Frequency: 60 Hz
- Minimum Circuit Ampacity: 18.7 amps
- Max Fuse Size: 30 amps

These electrical specifications are important for ensuring compatibility with your existing electrical systems and for calculating the potential operational costs of the unit.

Performance Metrics

- Cooling Capacity: 36,000 BTU
- SEER Rating: Up to 14
- EER Rating: 11.7
- Refrigerant: R-410A

The performance metrics indicate that the Goodman CK36 1B balances efficiency with effective cooling capacity, making it a strong contender in its category.

Installation and Maintenance

Proper installation and maintenance are crucial for maximizing the efficiency and lifespan of the Goodman CK36 1B.

Installation Considerations

1. Location: The unit should be installed in a shaded area to enhance

efficiency and reduce the workload on the compressor.

2. Clearance: Ensure there is adequate clearance around the unit for airflow and maintenance access.

3. Ductwork: Properly sized and sealed ductwork is essential for efficient airflow and to prevent energy loss.

4. Professional Installation: It is highly recommended to hire a certified HVAC technician for installation to ensure compliance with local codes and optimal performance.

Maintenance Tips

- Regular Filter Changes: Change or clean the air filter every 1-3 months to maintain airflow and efficiency.

- Annual Tune-Up: Schedule an annual maintenance check with a professional to inspect and service the unit.

- Clean the Coils: Keep the outdoor condenser coils clean and free of debris to ensure efficient heat exchange.

- Check Refrigerant Levels: Regularly check refrigerant levels and look for leaks to maintain optimal cooling performance.

Cost and Warranty

The Goodman CK36 1B is competitively priced, making it an attractive option for budget-conscious homeowners.

Pricing

- Unit Cost: The Goodman CK36 1B typically ranges from \$3,000 to \$4,500, including installation, depending on regional pricing and labor costs.

- Operational Costs: With its SEER rating of 14, users can expect reasonable operational costs compared to lower-rated units.

Warranty Information

Goodman provides a strong warranty on their products, which adds value and peace of mind:

- Compressor Warranty: Limited lifetime warranty

- Parts Warranty: 10-year limited warranty on all functional parts

This warranty ensures that homeowners are protected against potential defects and failures, making it a reliable investment.

Energy Efficiency and Environmental Impact

Energy efficiency is a significant consideration for modern HVAC systems, and the Goodman CK36 1B excels in this area.

Energy Efficiency Benefits

- Lower Energy Bills: The SEER rating of 14 allows for reduced energy consumption, leading to lower monthly utility bills.
- Environmentally Friendly: The use of R-410A refrigerant is less harmful to the ozone layer compared to older refrigerants, aligning with current environmental standards.

Government Incentives

Homeowners may qualify for federal tax credits or local utility rebates when purchasing energy-efficient HVAC systems, which can further offset the initial investment cost.

Conclusion

In summary, the Goodman CK36 1B is a robust and efficient choice for residential air conditioning needs. Its specifications, including a 36,000 BTU cooling capacity, SEER rating of 14, and durable construction, make it a reliable option for maintaining comfort in various home sizes. With proper installation and maintenance, this unit can provide years of efficient cooling while keeping energy costs manageable. For homeowners looking for a dependable and cost-effective air conditioning solution, the Goodman CK36 1B is certainly worth considering.

Frequently Asked Questions

What is the heating capacity of the Goodman CK36 1B?

The Goodman CK36 1B has a heating capacity of approximately 36,000 BTU.

What type of refrigerant does the Goodman CK36 1B use?

The Goodman CK36 1B uses R-410A refrigerant, which is more environmentally friendly than R-22.

What is the efficiency rating of the Goodman CK36 1B?

The Goodman CK36 1B has a SEER (Seasonal Energy Efficiency Ratio) rating of up to 14, indicating its energy efficiency.

What are the dimensions of the Goodman CK36 1B unit?

The Goodman CK36 1B typically measures 29 inches in height, 29 inches in width, and 29 inches in depth.

Is the Goodman CK36 1B suitable for residential use?

Yes, the Goodman CK36 1B is designed for residential applications and is suitable for medium to large homes.

What type of compressor is used in the Goodman CK36 1B?

The Goodman CK36 1B features a high-efficiency scroll compressor, which enhances its reliability and performance.

Does the Goodman CK36 1B come with a warranty?

Yes, the Goodman CK36 1B typically comes with a 10-year limited parts warranty, providing peace of mind for homeowners.

What is the recommended airflow for the Goodman CK36 1B?

The recommended airflow for the Goodman CK36 1B is approximately 1,200 CFM (Cubic Feet per Minute).

How noisy is the Goodman CK36 1B during operation?

The Goodman CK36 1B operates at a sound level around 70 decibels, which is considered moderately quiet for HVAC systems.

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