GENERAL

coleman powermate 6875 portable generator

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Introduction: Power on the Go with the Coleman Powermate 6875 Portable Generator

When the power goes out or you're heading into the great outdoors, having a reliable source of electricity can make the difference between a smooth experience and a frustrating one. The **Coleman Powermate 6875 portable generator**has earned a reputation for being a dependable companion for campers, homeowners, and small business owners alike. In this comprehensive guide, we'll dive into everything you need to know about this versatile power solution—from its design and performance specs to real world use cases and maintenance tips. Whether you're a seasoned generator enthusiast or a first time buyer, this article will help you decide if the Powermate 6875 is the right fit for your power needs.

Why Choose a Portable Generator?

Portable generators are the go-to choice for many because they combine convenience with functionality. Unlike whole house inverters or solar setups that require a permanent installation, a portable unit can be moved wherever the power is needed. This flexibility is especially valuable for:

- Outdoor events and festivals
- Construction sites and small workshops
- Home emergencies during storms or power outages
- Camping trips that demand lighting, refrigeration, or power tools

The Coleman Powermate 6875 brings a unique blend of power, quiet operation, and user friendly features that set it apart from other models on the market.

Key Features of the Coleman Powermate 6875

1. Power Output and Efficiency

The generator delivers a steady 6,875 watts of continuous power, with a surge capacity of up to 9,500 watts. This means it can handle high draw appliances like air conditioners, refrigerators, and power tools right from the start. Its efficient 6.7 horsepower engine keeps fuel consumption in check, ensuring you get more runtime per gallon.

2. Fuel Capacity and Runtime

With a 4 gal fuel tank, the Powermate 6875 offers approximately 10 hours of continuous operation at 50% load. For extended events or prolonged outages, you can simply refill the tank or connect it to a larger fuel source.

3. Quiet Operation

One of the standout aspects of the Powermate 6875 is its **low noise design** Equipped with an integrated muffler and a vibration damping platform, it operates at a noise level of around 59 dB when running at 50% load—quiet enough for a backyard gathering or a campsite without disturbing neighbors.

4. Portability and Handling

The unit weighs approximately 55 pounds and comes with a built in handle for easy transport. Its compact

dimensions (about 15 inches tall, 12 inches wide, and 12 inches deep) allow it to fit into most storage spaces, whether that's a garage, a storage shed, or a vehicle's trunk.

5. Safety Features

The Powermate 6875 is equipped with an automatic shut off function that triggers if the generator overheats or if the oil pressure drops. Additionally, it includes a low fuel sensor that alerts you when the tank is running low.

6. Easy Start and Maintenance

Starting the generator is simple: a conventional electric start button or a pull cord start option. The engine's maintenance schedule is straightforward, with oil changes every 25 hours and filter checks every 10 hours of operation.

Performance Overview: How the Powermate 6875 Measures Up

When evaluating a portable generator, it's essential to consider not only raw power output but also how efficiently that power is delivered and how the unit behaves under real world conditions. Below, we compare the Powermate 6875 to similar models in its class.

- Power Delivery – The 6,875 watts of continuous power comfortably cover the needs of a small home or a moderate outdoor event.
- Fuel Efficiency – At 6.7 HP, the engine achieves a fuel economy of about 0.7 gallons per hour at 50% load.
- Noise Level – 59 dB at 50% load is a significant advantage over many competitors that run above 65 dB.
- Portability – Weighing 55 pounds, it's lighter than many 7,000 watt generators that can exceed 80 pounds.
- Runtime – With a 4 gal tank, you get roughly 10 hours at half load, which is competitive for its class.

Real World Applications: What You Can Power

Below is a list of common appliances and equipment that the Coleman Powermate 6875 can power without difficulty. Each example includes the approximate power draw and recommended usage time.

1. Refrigerator (200 /W) – Continuous use for 10+ hours.
2. Air Conditioner (1,500 /W) – Run for about 6 hours at 50% load.
3. Power Tools (1,000 /W) – Continuous use for 8 hours.
4. LED Lighting (150 /W) – Continuous use for 12+ hours.
5. Portable TV (300 /W) – Continuous use for 9 hours.
6. Small Workshop (3,000 /W) – Continuous use for 3–4 hours.

These examples illustrate how the generator's power curve supports both low draw and high draw appliances simultaneously.

Installation and Setup: Getting the Powermate 6875 Ready

1. Choosing a Safe Location

Place the generator on a level surface, at least 3 feet from any building or structure. Keep it in a well ventilated area to avoid carbon monoxide buildup. Avoid placing it on a surface that can accumulate dust or debris, which may clog the air filter.

2. Connecting the Fuel Source

Fill the 4 gal tank with fresh gasoline (no ethanol blends). For extended use, you can connect the generator to a larger fuel source using a suitable fuel line, ensuring that the fuel line is rated for gasoline and that all connections

are secure.

3. Wiring the Load

Use the built in 120 V outlet to connect appliances. For higher power devices, use the 240 V outlet if available. Always check the voltage and amperage ratings of your appliances before plugging them in.

4. Starting the Generator

Press the electric start button or pull the cord to start the engine. Allow the generator to warm up for a few minutes before connecting high draw appliances. This helps ensure the engine's lubrication system is functioning properly.

Maintenance Tips: Keeping Your Powermate 6875 in Top Shape

A well maintained generator runs more reliably and lasts longer. Follow these routine checks and maintenance tasks to keep your unit in prime condition.

- Oil Check – Every 10 hours of use, check the oil level and top up if necessary. Replace oil every 25 hours or 10,000 miles, whichever comes first.
- Air Filter Cleaning – Clean or replace the air filter every 10 hours of operation. A clogged filter can reduce engine performance.
- Fuel Filter Replacement – Replace the fuel filter every 25 hours or if the generator shows signs of sluggish performance.
- Battery Inspection – If your model has a battery start, check the battery's charge level regularly and replace it after 3–5 years.
- Cooling Fan Inspection – Inspect the cooling fan for dust buildup; clean it if necessary to maintain airflow.
- Electrical Connections – Check all outlet connections for tightness and signs of wear. Replace damaged cords or plugs.

Perform these checks before each use or after prolonged periods of inactivity. Proper maintenance not only extends the lifespan of the generator but also ensures safe operation.

Common Troubleshooting Scenarios

1. The Generator Won't Start

Possible causes include:

- Empty fuel tank or stale fuel
- Low oil level
- Faulty spark plug
- Electrical short or faulty starter motor

Solution: Check fuel level, refuel with fresh gasoline, replace the spark plug, and inspect the starter mechanism. If the issue persists, consult the service manual or contact a qualified technician.

2. Excessive Noise or Vibration

Check the following:

- Ensure the generator is on a level surface
- Inspect the mounting bolts for looseness
- Verify that the muffler is properly seated

Solution: Tighten mounting bolts and secure the muffler. If noise persists, consider adding a vibration damping mat

beneath the generator.

3. Overheating

Common causes:

- Running at high load for extended periods
- Blocked airflow or clogged air filter
- Insufficient ventilation around the unit

Solution: Reduce load, clean the air filter, and ensure adequate ventilation. The automatic shut off will activate if the engine reaches a critical temperature.

Comparing the Powermate 6875 to Other Coleman Generators

While the Powermate 6875 excels in many areas, it’s helpful to compare it with other Coleman models to understand its niche.

Feature	Powermate 6875	Powermate 10000	Powermate 5000
Continuous Power (W)	6875	10000	5000
Surge Power (W)	9500	14000	6500
Weight (lbs)	55	70	40
Fuel Tank (gal)	4	6	3
Runtime @ 50% Load (hrs)	10	12	8
Noise Level @ 50% Load (dB)	59	64	60

From this comparison, the Powermate 6875 offers a balanced mix of power and portability, making it ideal for users who need a reliable generator without the bulk of a 10,000 watt model.

Where to Buy and Pricing

Retailers such as Amazon, Walmart, and the official Coleman website carry the Powermate 6875. Prices typically range from $700 to $900, depending on promotions and shipping options. It's worth watching for seasonal sales or bundle deals that include additional accessories like extension cords or a generator bag.

Customer Reviews: What Users Are Saying

Customer feedback highlights several strengths:

- Reliability – Users praise its consistent performance during power outages.
- Quiet Operation – Many reviewers note how the generator's low noise level makes it suitable for camping.
- Ease of Use – The electric start button and clear labeling are often cited as user friendly features.

Common criticisms include:

- Limited fuel capacity for very long events.
- Some users feel the weight could be lighter for heavy-duty use.

Overall, the consensus points to a solid, dependable generator for moderate power needs.

Environmental Considerations

While gas generators are a practical solution for many scenarios, they do produce emissions. The Powermate 6875's 6.7 HP engine is designed to meet EPA emissions standards for its class, which helps reduce the

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