

## KwiKool KPO12-23

# KwiKool KPO12-23 In/Outdoor Air-Cooled 12-ton Portable Air Conditioner User Manual

Model: KPO12-23

## 1. PRODUCT OVERVIEW

The KwiKool KPO12-23 is a robust 12-ton (135,000 BTU) air-cooled portable air conditioner designed for both indoor and outdoor applications. This unit operates on 230V / 80Amp 3-phase power and is engineered for self-contained, maintenance-free operation, providing powerful and reliable cooling.

Key features include:

- 12-ton (135,000 BTU) cooling capacity.
- Suitable for both indoor and outdoor use.
- Totally self-contained and designed for minimal maintenance.
- ETL/CETL listed to UL/CSA standards, ensuring safety and quality.
- Constructed with a durable 16 gauge galvanized steel cabinet.
- Equipped with wheels for enhanced portability.



Image: Front-side view of the KwiKool KPO12-23 portable air conditioner, showcasing its robust white galvanized steel casing and cooling

grilles.

## 2. SETUP AND INSTALLATION

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The KPO12-23 is designed as a portable unit, but due to its size and power requirements, careful consideration is needed for placement and electrical connection.

### 2.1 Unpacking and Inspection

Upon delivery, carefully inspect the unit for any shipping damage. Report any damage immediately to the carrier and your supplier. The unit weighs approximately 1,080 lbs, so appropriate lifting equipment (such as a forklift using the integrated fork pockets) is required for safe handling.

### 2.2 Placement

The unit's dimensions are 52 inches (H) x 32 inches (W) x 64 inches (D) (without 8-inch wheels). Ensure adequate clearance around the unit for proper airflow and maintenance access. The unit is equipped with wheels for easier repositioning on flat, stable surfaces.



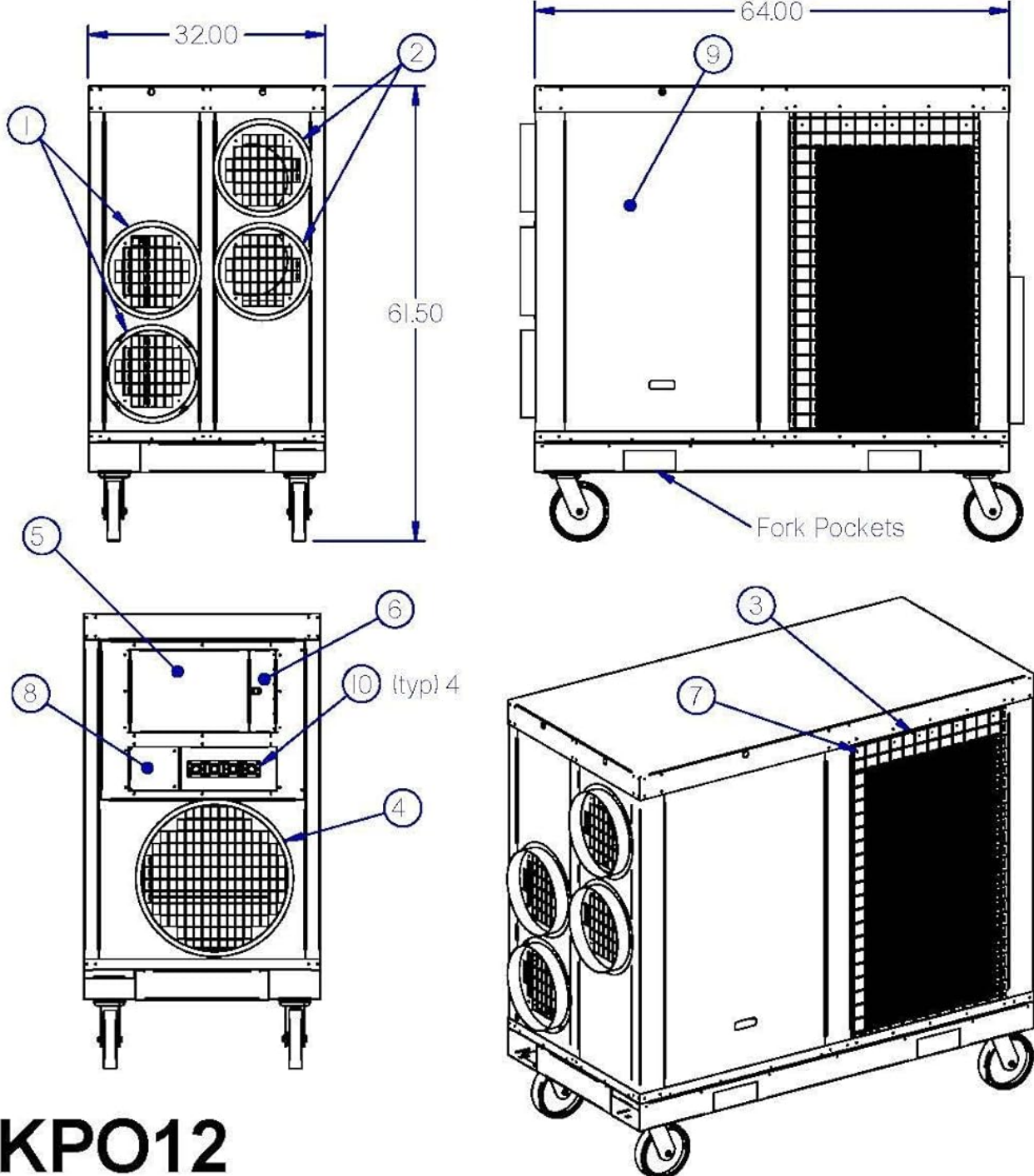
Image: The KwiKool KPO12-23 unit with its overall dimensions (52"H x 32"W x 64"D) clearly marked, indicating its large size.

## 2.3 Electrical Connection

This unit requires a 230V / 80Amp 3-phase electrical supply. All electrical connections must be performed by a qualified electrician in accordance with local and national electrical codes. Ensure the power supply matches the unit's requirements to prevent damage or safety hazards.

## 2.4 Ducting (Optional)

Depending on the application and installation environment, the unit may require supply and return ducting. **Ducting is NOT INCLUDED** with the unit and must be sourced separately. Refer to the technical diagram for connection points.



# KPO12

## LEGEND

- |                        |                        |
|------------------------|------------------------|
| 1 Cold Air Return      | 6 Control Panel Access |
| 2 Cold Air Supply      | 7 Condensate Nipple    |
| 3 Condenser Air Inlet  | 8 Breaker Access       |
| 4 Condenser Air Outlet | 9 Access Door          |
| 5 Electrical panel     | 10 Camlok Connections  |



ETL LISTED CONFORMS TO ANSI/UL1995  
CERTIFIED TO CAN/CSA 22.2 NO 235

**1-800-KWIKOOL**  
[www.kwikool.com](http://www.kwikool.com)

Image: Detailed technical diagram of the KPO12-23 unit, illustrating various views (front, side, top) with numbered components such as cold air supply, cold air return, condenser air inlet/outlet, electrical panel, control panel access, and camlock connections.

## 3. OPERATING INSTRUCTIONS

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The KPO12-23 is designed for straightforward operation once properly installed. As a self-contained unit, it requires minimal user intervention during normal operation.

### 3.1 Powering On

After ensuring all electrical connections are secure and the unit is properly positioned, connect the unit to the appropriate power supply. The control panel (refer to the technical diagram for location) allows for activation and setting of desired cooling parameters.

### 3.2 Cooling Operation

Once powered on, the unit will begin to draw in warm air, cool it, and discharge cold air. The condenser section will expel hot air. Ensure that the hot air exhaust is properly vented, especially in indoor applications, to maintain cooling efficiency.

### 3.3 Condensate Management

The unit produces condensate (water) during operation. It is equipped with a condensate nipple for drainage. Ensure proper drainage is established to prevent overflow, especially during continuous operation.

## 4. MAINTENANCE

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The KwiKool KPO12-23 is engineered for "maintenance-free operation," meaning it requires very little routine user maintenance. However, periodic checks are recommended to ensure optimal performance and longevity.

### 4.1 General Inspection

Periodically inspect the unit for any visible signs of wear, damage, or obstructions to airflow. Ensure that the condenser and evaporator coils are free from dust and debris. While the unit is designed to be self-contained, keeping the exterior clean and clear of obstructions will help maintain efficiency.

### 4.2 Sight Glass with Moisture Indicator

The unit includes a sight glass with a moisture indicator. Regularly check this indicator. A change in color typically indicates the presence of moisture in the refrigerant system, which may require professional service.

### 4.3 Professional Servicing

For any internal components, refrigerant checks, or complex repairs, it is highly recommended to contact a qualified HVAC technician. Unauthorized servicing may void any applicable warranties and could be hazardous.

## 5. TROUBLESHOOTING

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While the KPO12-23 is built for reliable performance, should you encounter any issues, consider the following general points before contacting support:

- **No Power:** Check the electrical supply, circuit breaker, and all connections. Ensure the 230V / 80Amp 3-phase power is correctly supplied.
- **Insufficient Cooling:** Verify that air inlets and outlets are not obstructed. Ensure proper venting of hot air from the condenser. Check for proper condensate drainage.
- **Unusual Noises:** Investigate any new or unusual sounds. This may indicate a mechanical issue requiring professional attention.
- **Moisture Indicator Change:** If the sight glass moisture indicator changes color, contact a qualified technician immediately.

For issues not resolved by these basic checks, or for any complex technical problems, please contact KwiKool customer support or a certified service professional.

## 6. SPECIFICATIONS

Attribute	Detail
Brand	KwiKool
Model Name	KPO12-23
Cooling Capacity	12 Tons (135,000 BTU)
Voltage	230 Volts
Amperage	80 Amp (3 Phase)
Item Weight	1080 pounds
Product Dimensions (H x W x D)	52"H x 32"W x 64"D (without wheels)
Material Type	16 gauge galvanized Steel
Installation Type	Portable
Certification	ETL/CETL Listed to UL/CSA standards
Refrigerant	R 410A
Special Features	Wheels, Sight glass with moisture indicator

## 7. WARRANTY AND SUPPORT

KwiKool is committed to providing quality products and customer satisfaction.

### 7.1 Returns Policy

This product is eligible for 30-day easy returns. Please refer to your purchase agreement or retailer's policy for specific return procedures and conditions.

### 7.2 Customer Support

For technical assistance, service inquiries, or any questions regarding your KwiKool KPO12-23 unit, please contact KwiKool customer support. Contact information can typically be found on the manufacturer's official website or through your product documentation.

You can also visit the [KwiKool Brand Store on Amazon](#) for more information.





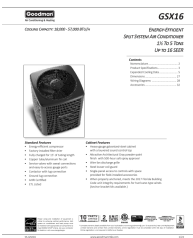
[KwiKool KPO Series 5-ton & 12-ton Portable Air Conditioners](#)

KwiKool's KPO Series offers versatile indoor/outdoor portable air conditioning units in 5-ton and 12-ton capacities. These compact units feature high static blowers, quick disconnect ducts, and advanced electrical protection for efficient and flexible cooling solutions.



[KwiKool KWIB12043-3 Portable Cooling System Specifications](#)

Detailed specifications for the KwiKool KWIB12043-3 portable cooling system, including cooling capacity, compressor data, electrical, dimensional, and safety features.



[Goodman GSX16 Energy-Efficient Split System Air Conditioner Specifications](#)

Detailed specifications, features, and performance data for the Goodman GSX16 series energy-efficient split system air conditioner, offering up to 16 SEER cooling capacity from 1 to 5 tons. Includes model nomenclature, electrical data, dimensions, and accessory information.



[Bertazzoni Built-in Columns Refrigerator: Use & Care Manual](#)

Comprehensive guide for Bertazzoni built-in column refrigerators, covering installation, operation, maintenance, and troubleshooting. Features models like REF24RCPIXL/23, REF30RCPIXL/23, and REF36RCPIXL/23. Visit Bertazzoni support for more information.



[GROHE BauEdge/Bauloop Faucets: Technical Specifications and Product Catalog](#)

Explore the GROHE BauEdge and Bauloop collections. This document provides technical specifications, model details, assembly diagrams, and global contact information for GROHE faucets.



[Bertazzoni Built-in Columns Refrigerator Use & Care Manual](#)

This Bertazzoni Built-in Columns Refrigerator Use & Care Manual provides essential guidance on safe installation, operation, customized settings, food storage, and maintenance for models like REF24, REF30, and REF36 series. Learn how to optimize your appliance's performance and longevity.

