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Movincool CPK36

MovinCool Climate Pro K36 Commercial Portable AC Unit Instruction Manual

Model: CPK36

1. INTRODUCTION

This instruction manual provides essential information for the safe and efficient operation, installation, and maintenance of your MovinCool Climate Pro K36 Commercial Portable AC Unit. Please read this manual thoroughly before using the unit and retain it for future reference.

2. SAFETY INFORMATION

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and injury to persons. This unit is designed for commercial use. Ensure proper grounding and use only with the specified voltage and current. Do not operate the unit with a damaged cord or plug. Keep children and pets away from the unit during operation. Refer to local electrical codes for installation requirements.

3. PRODUCT FEATURES

- **Heavy Duty Rating:** Designed for demanding commercial environments.
- **Wide Coverage:** Effectively cools areas between 2000 to 2500 sq ft.
- **High Cooling Capacity:** Delivers 36,000 BtuH (3 Tons) of cooling power.
- **Efficient Operation:** Features an 8 EER rating for energy efficiency.
- **Electronic Control:** User-friendly electronic control panel with programming capability for weekly schedules.
- **Portable Design:** Equipped with casters for easy relocation.
- **Air-Cooled Vented System:** Utilizes an air-cooled system with exhaust venting.

- **Refrigerant:** Uses R 410A refrigerant.



Figure 3.1: Front view of the MovinCool Climate Pro K36 portable AC unit, showcasing its robust design and dual air outlets.

4. SETUP

1. **Unpacking:** Carefully remove the unit from its packaging. Inspect for any shipping damage.
 2. **Placement:** Position the unit on a flat, stable surface in the area to be cooled. Ensure adequate clearance around the unit for proper airflow.
 3. **Exhaust Duct Installation:** Connect the exhaust ducting to the unit and vent the hot air outside the cooled space. The maximum recommended hot duct hose length is 40 ft.
 4. **Power Connection:** Connect the 6 ft power cord to a dedicated 208/230V AC, 1 Phase, 60 Hz outlet with a NEMA 6-30P configuration. Ensure the electrical supply matches the unit's requirements.
 5. **Condensate Management:** The unit will produce condensate. Ensure the condensate drain hose is properly connected and directed to a suitable drain or collection reservoir.
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5. OPERATING INSTRUCTIONS

The Climate Pro K36 features an electronic control panel for easy operation.

1. **Power On/Off:** Press the power button on the control panel to turn the unit on or off.
2. **Temperature Setting:** Use the up/down arrows on the control panel to set your desired temperature. The unit will cool to maintain this temperature.
3. **Mode Selection:** The unit operates in cooling-only mode.
4. **Fan Speed:** Adjust the fan speed (High/Mid/Low) as needed for optimal comfort and noise levels.
5. **Programming:** Utilize the programming features to set weekly schedules for automated operation. Refer to the detailed control panel guide in the full user manual for advanced programming.



Figure 5.1: Side view of the MovinCool Climate Pro K36, highlighting the control panel and air outlets.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your AC unit.

- **Filter Cleaning:** Regularly inspect and clean the air filters. Dirty filters can reduce cooling efficiency and airflow.
- **Condensate Drain:** Periodically check the condensate drain for blockages and ensure it is flowing freely.
- **Exterior Cleaning:** Wipe down the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Professional Servicing:** For complex issues or annual checks, contact a qualified HVAC technician.

7. TROUBLESHOOTING

Before contacting support, review these common issues and solutions:

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; tripped circuit breaker; unit not plugged in	Check power cord connection; reset circuit breaker; ensure outlet is functional
Insufficient cooling	Dirty air filters; blocked air intake/exhaust; room too large; exhaust duct not properly vented	Clean/replace filters; clear obstructions; ensure proper room size for unit capacity; verify exhaust ducting
Water leakage	Condensate drain blocked or improperly connected; condensate reservoir full	Check and clear drain hose; ensure proper connection; empty reservoir if applicable
Unusual noise	Loose parts; unit not level; fan obstruction	Inspect unit for loose components; ensure unit is on a level surface; check for fan obstructions

8. SPECIFICATIONS

3-Ton Portable Air Conditioner

DESIGNED FOR ELECTRONIC EQUIPMENT ROOMS AND OTHER OFFICE ENVIRONMENTS

Climate Pro K Series Specifications

		K36
Electronic Features	Control Panel	Programmable
Cooling Capacity	Rating Conditions: 95°F @ 60% RH	36,000 Btu/h
Electrical Characteristics	Voltage Requirement (60 Hz)	1 Phase, 208/230 V
	Total Power Consumption	4.3 kW*
	Current Consumption	19.9 amps*
	Recommended Fuse Size	30 amps
	NEMA Plug Configuration	6-30P
	Min. - Max. Voltage	198 - 253 V
Fans	Motor Output	0.23 kW Evaporator 0.37 kW Condenser
	Fan Type	Centrifugal
Evaporator	Max. Air Flow - High/Mid/Low	920/880/840 CFM
	Max. External Static Pressure	0.6 IWG
	Fan Type	Centrifugal
Condenser	Max. Air Flow - High/Mid/Low	1390/990 CFM
	Max. External Static Pressure	0.5 IWG
	Fan Type	Centrifugal
Compressor	Type	Hermetic Scroll
	Output	2.3 kW
Refrigerant	Type	R-410A
Dimensions	W x D x H	31 x 55 x 53 in
Net Weight/Shipping Weight		454/535 lb
Power Cord	Gauge	12 AWG (3-core)
	Length	6 ft
Condensate Tank Capacity		2 @ 5 gal
Operating Conditions	Min. - Max. @ 50% RH	65° - 95°F
Max. Duct Length	Per Cold Duct Hose	40 ft
	Hot Duct Hose	60 ft
Max. Sound Level	With Condenser Duct - High/Mid/Low	68/67/66 dB(A)
	Without Condenser Duct - High/Mid/Low	70/69/68 dB(A)



*Specifications information shown with 230 V. All specifications subject to change without notice. All models come with a standard warranty covering the entire unit and compressor for 12 months. Visit MovinCool.com/warranty for details on MovinCool's industry-best free Extended Warranty Program which includes three (3) years for both parts and labor on portable units.



Figure 8.1: Detailed specifications sheet for the MovinCool Climate Pro K36.

Feature	Detail
Brand	Movincool
Model Name	CPK36
Cooling Capacity	36,000 BtuH (3 Tons)
Average Coverage Area	2000 to 2500 sq ft
Operation Mode	Cooling Only
EER (Energy Efficiency Ratio)	8
Power Consumption	4,300 W
Amperage	19.6 A
Voltage	208/230V AC, 1 Phase, 60 Hz
NEMA Plug Configuration	6-30P
Power Cord Length	6 ft
System Cooling Method	Air-Cooled Vented
Control Type	Electronic, Remote Control
Programming Capability	Weekly Schedules
Refrigerant	R 410A
Dimensions (W x D x H)	31 x 55 x 53 inches
Net Weight / Shipping Weight	454 lbs / 535 lbs
Max. Hot Duct Hose Length	40 ft
Max. Sound Level (with condenser duct)	67/66 dB(A) (High/Mid/Low)
Max. Sound Level (without condenser duct)	70/69/68 dB(A) (High/Mid/Low)
Compressor Type	Rotary Scroll

9. WARRANTY AND SUPPORT

The MovinCool Climate Pro K36 comes with a **Limited Warranty**. For specific warranty details, please refer to the warranty card included with your product or contact MovinCool customer service. For technical support, service, or parts, please contact your authorized MovinCool dealer or the seller, Portable Air Group LLC, for assistance.