



iHider 230V Inverter

UNDER-BENCH AIR CONDITIONER

Correct Installation & Warranty Support Guide

Correct installation is essential for safe operation, reliable performance, service access and efficient warranty assessment. This guide sets out Cool-J installation conditions for warranty support and should be used together with the official iHider installation manual.

IMPORTANT: Read the full operation, maintenance and installation manual before installation. Electrical work must be completed by a qualified electrician and comply with applicable electrical requirements.

1 Electrical & Safety REQUIRED

- Connect to a properly grounded electrical supply at the voltage stated on the rating plate.
- Provide the correct over-current protection (time-delay fuse / HVAC breaker) as stated on the rating plate.
- Do not use an extension power cord for normal operation.
- Switch off electrical power before installation or service work.
- All electrical connections and wiring must be completed by a qualified electrician and comply with applicable codes and regulations.
- The unit is powered from a 230V - 50Hz socket outlet; confirm the supply can withstand the required power input.

2 Position, Clearance & Access REQUIRED

- Install the unit on the floor, preferably as near the middle of the vehicle as practical.
- Maintain at least 30 mm clearance on each side from walls and fittings.
- Maintain 200 mm clear space in front of the unit for filter access, servicing, disassembly and installation.
- Do not allow batteries, chargers, inverters, storage or other equipment to block the required service access or air openings.
- If installed in an external compartment / false bottom, the treated air must be drawn from inside the passenger compartment.

3 Floor Openings, Fixing & Drainage REQUIRED

- Floor openings must remain accessible and must not be covered by chassis members or other components.
- Protect openings from wheel splash; fit a splash guard or similar protection if necessary.
- Secure the unit to the floor using the fixing system supplied.
- Install the unit preferably level; the manual states a maximum angle of 10° to reduce the risk of condensation escaping.
- Before cutting, check for hidden cables, gas pipes and chassis components.
- Seal machined floor openings with a water-repellent product and install the supplied condensation drain pipes.

4 Ducting & Airflow MAX 5 m PER OUTLET

- Keep air pipes as short and straight as possible.
- **MANDATORY:** Total connected outlet ducting must not exceed 5 metres per outlet.
- Do not place air pipes near sources of heat.
- Use ducting with approximately 60 mm internal diameter (64 mm outside diameter), as specified in the manual.
- Provide a recirculation air opening with a total cross-section of at least 300 cm².
- Locate the recirculation opening near the unit and ensure airflow cannot be obstructed. Recirculation air must come from inside the passenger compartment.

Manual source references: Safety Caution; Sections 2.1-2.6 Installation; Section 1.9 Routine Maintenance. | Guide v1.3 - Sep 2026

INSTALLER CHECKLIST & WARRANTY RECORD

Complete and retain with the customer purchase and installation records

Customer / Business _____	Vehicle / Caravan _____
Product Model _____	Serial Number _____
Installation Date _____	Purchase Invoice No. _____
Installer / Workshop _____	Qualified Electrician / Licence No. _____

PRE-COMMISSIONING CHECKLIST

Electrical & installation ☐ 230V supply is properly grounded and suitable for the unit. ☐ Correct over-current protection is fitted. ☐ No extension power cord is used for normal operation. ☐ Electrical wiring / connections completed by a qualified electrician. ☐ Minimum 30 mm side clearance is maintained. ☐ Minimum 200 mm front service clearance is maintained. ☐ Unit is securely fixed and installed within the manual angle requirement. ☐ Floor openings are accessible, sealed and protected from wheel splash. ☐ Condensation drain pipes are installed and unobstructed.	Ducting & airflow - MANDATORY 5 m limit per outlet ☐ Ducting is as short and straight as practical. ☐ MANDATORY: Total connected outlet ducting does not exceed 5 m per outlet. ☐ Ducting is not routed near sources of heat. ☐ Recirculation opening provides at least 300 cm² total free area. ☐ Recirculation air is drawn from inside the passenger compartment. ☐ Air inlet, outlets and recirculation openings are unobstructed. ☐ Cool-J check: Batteries / chargers / inverters / storage do not block service access or required clearances. ☐ Customer has been supplied with the full operation and installation manual. ☐ Unit has been operated and checked after installation.
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KEEP THESE RECORDS FOR WARRANTY ASSESSMENT

• Purchase invoice / proof of purchase. • Installation invoice showing installer / workshop details and electrician details where applicable. • Photos of the installed unit showing front and side clearances, service access, floor openings and surrounding equipment. • Photos of duct routing and outlet / recirculation arrangement. • Product serial number and any fault code shown on the wall pad.	
Routine care • Clean the air filter periodically. • Keep condensation drain holes unobstructed. • Keep floor openings, air inlets and outlets unobstructed.	Warranty assessment notice Installation that does not meet the conditions in this guide or the installation instructions in the manual can affect performance and may need to be assessed to determine whether it contributed to a reported fault. Cool-J may request installation records and photos as part of diagnosis. This guide does not replace the full warranty terms or the customer's rights under Australian Consumer Law.

Installer signature: _____ Date: _____

Customer acknowledgement: _____ Date: _____