



HB9000 Plus R32

UNDER-BENCH HEAT PUMP 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 HB9000 Plus R32 manual.

IMPORTANT: This unit uses R32 flammable refrigerant. Read the complete manual before installation. Refrigerant-circuit servicing must only be carried out by appropriately certified personnel and in accordance with the manufacturer instructions.

1 Electrical & R32 Safety **REQUIRED**

- Supply the unit from 230V - 50Hz as specified in the manual.
- Where fixed wiring is used, provide a full disconnection switch in accordance with applicable wiring rules.
- Before switching on, ensure the electrical supply is capable of carrying the unit power input.
- Keep ventilation openings clear of obstruction.
- Any work on the R32 refrigerant circuit must be carried out by a person holding the appropriate current refrigerant-handling certification.
- Keep ignition sources away when refrigerant service work is being performed.

2 Position, Clearance & Access **REQUIRED**

- Install the unit on the floor, as near the middle of the vehicle as practical for uniform climate control.
- 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.
- Keep the unit fully accessible; batteries, chargers, inverters, storage or other equipment must not block service access or air openings.
- If installed in an external compartment / false bottom, 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 the floor 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 & Recirculation Air **MAX 5 m PER OUTLET**

- Use air-conditioning duct with approximately 60 mm internal diameter (64 mm outside diameter).
- Lay 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.
- Provide a recirculation air opening with a total cross-section of at least 300 cm².
- Locate the recirculation opening near the unit, keep airflow unobstructed, and draw recirculation air from inside the passenger compartment.

Manual source references: R32 safety information; Sections 2.1-2.6 Installation; Section 1.9 Routine Maintenance. | Guide v1.0 - 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 _____	Electrical / Refrigerant Licence No. (where applicable) _____

PRE-COMMISSIONING CHECKLIST

Electrical, safety & installation

- ☐ 230V - 50Hz electrical supply is suitable for the unit.
- ☐ Required disconnection arrangement is provided where fixed wiring is used.
- ☐ Ventilation openings are clear and unobstructed.
- ☐ 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.
- ☐ Any refrigerant-circuit work is completed by appropriately certified personnel.

Ducting & airflow - MANDATORY 5 m limit per outlet

- ☐ Ducting is approximately 60 mm internal diameter / 64 mm outside diameter.
- ☐ 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.

KEEP THESE RECORDS FOR WARRANTY ASSESSMENT

- Purchase invoice / proof of purchase.
- Installation invoice showing installer / workshop and licensed trade details where applicable.
- Photos of the installed unit showing front and side clearances, service access, floor openings and surrounding equipment.
- Photos of duct routing, outlets and recirculation-air arrangement.
- Product serial number and details of any fault code displayed.

Routine care

- Clean the air filters 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: _____