



Freucamp Underbunk

HEAT PUMP AIR CONDITIONER - MODEL 302080002

Correct Installation & Warranty Support Guide

Correct installation is essential for safe operation, airflow, drainage, service access and reliable performance. This Cool-J guide should be used together with the complete Freucamp underbunk air-conditioner manual.

POWER	AIRFLOW	WEIGHT	OPERATING RANGE
220-240V / 50Hz	300 m ³ /h max	28 kg	-7°C to +43°C

IMPORTANT: Installation must be completed by a person with suitable technical knowledge. The unit must remain accessible for service and the electrical supply, airflow, drainage and ducting arrangements must be suitable for the unit.

1 Electrical & Installer Safety **REQUIRED**

- Use a 220-240V / 50Hz power supply suitable for the unit.
- If connected through fixed wiring, provide the required full disconnection switch in accordance with applicable wiring rules.
- Before switching on, ensure the campsite supply / electrical source and any extension used can withstand the unit power input.
- If the supply cord is damaged, it must be replaced by the manufacturer, service agent or a similarly qualified person.
- Installation must be carried out by a person with suitable technical knowledge and safe working conditions.

2 Position, Clearance & Service Access **REQUIRED**

- Install the unit on the floor, positioned centrally in the vehicle where 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, clearances 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 similar components.
- Protect floor openings from wheel splash; fit a splash guard or similar protection if necessary.
- Maintain at least 30 mm between the unit and adjacent walls and secure the unit to the floor using the supplied fixing system.
- Install the unit preferably level; the manual states a maximum angle of 10° to prevent condensation from escaping.
- Before cutting, check for hidden cables, gas pipes and chassis components, then seal machined surfaces with a water-repellent product.
- Install the supplied condensation drain pipes and keep drainage paths unobstructed.

4 Ducting & Recirculation Air **MAX 5 m PER OUTLET**

- Use air-conditioning duct with approximately 60 mm internal diameter and 65 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 free 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.
- For better cooling performance, use the vertically arranged side air outlets where practical.

Manual source: Sections 2.1-2.6 Installation, Section 1.9 Routine Maintenance and Section 1.8 Technical Data. | 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 Licence No. (where applicable) _____

PRE-COMMISSIONING CHECKLIST

Electrical, fixing & service access ☐ 220-240V / 50Hz electrical supply is suitable for the unit. ☐ Supply source and any extension are suitable for the unit power input. ☐ Required disconnection arrangement is provided where fixed wiring is used. ☐ 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. ☐ Wall-pad controller and extension cable are fitted securely and correctly.	Ducting & airflow - MANDATORY 5 m limit per outlet ☐ Ducting is approximately 60 mm internal diameter / 65 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 cm ² 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. ☐ Unit has been tested in cooling / heating operation after installation. ☐ Customer has been supplied with the complete operation and installation manual.
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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, recirculation-air opening and drain arrangement. • Product serial number and details / photos of any error or protection code displayed.	
Routine care • Clean the air filters periodically and allow them to dry before refitting. • 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: _____