

ATLOSON

THERMAL SYSTEMS

JEELINO HER301

INSTALLATION AND OPERATION MANUAL

OPERATION | MAINTENANCE | PARTS



HEAT DRIVES
POSSIBILITIES

01 Identification, safety and use

This manual accompanies model JEELINO HER301. Record SKU, serial number, voltage, fuel and revision before installation. Accessories, functions and protective devices depend on the supplied variant.

Temporary heating of a work area or shelter, after validating the outdoor installation and warm-air route. Keep combustion gases outside.

SKU	Fuel	Voltage
ATL-JEE-HER301	Diesel	12V

Carbon monoxide: combustion gases must remain outside occupied spaces. Do not operate in a garage or other enclosed location. Keep intakes and flue outlets clear, especially after snow, mud or travel.

Fuel smell, abnormal smoke, leakage or a CO alarm: stop use, move occupants away and have the installation inspected. Do not restart to conceal a fault. Contact emergency services if there is immediate danger.

Fire and burns: keep combustible materials away from the appliance, hot ducts and exhaust. Do not use the service compartment for storage. Allow cooling before inspection and keep children away from hot surfaces.

Power: use the nameplate voltage. Never increase a fuse rating or bypass protection. For a normal stop, allow the controlled cooling cycle to finish before disconnecting power.

Stop before refuelling. Fuel, combustion, gas and mains work require a qualified professional. Install and maintain a CO detector suitable for the application according to its own instructions.

Portable unit: confirm permitted location, outdoor flue discharge, rain and tip protection, and hot-duct routing. Portability does not permit combustion inside a tent or occupied space. Do not move or refill the unit while running or hot.

02 Variant specifications

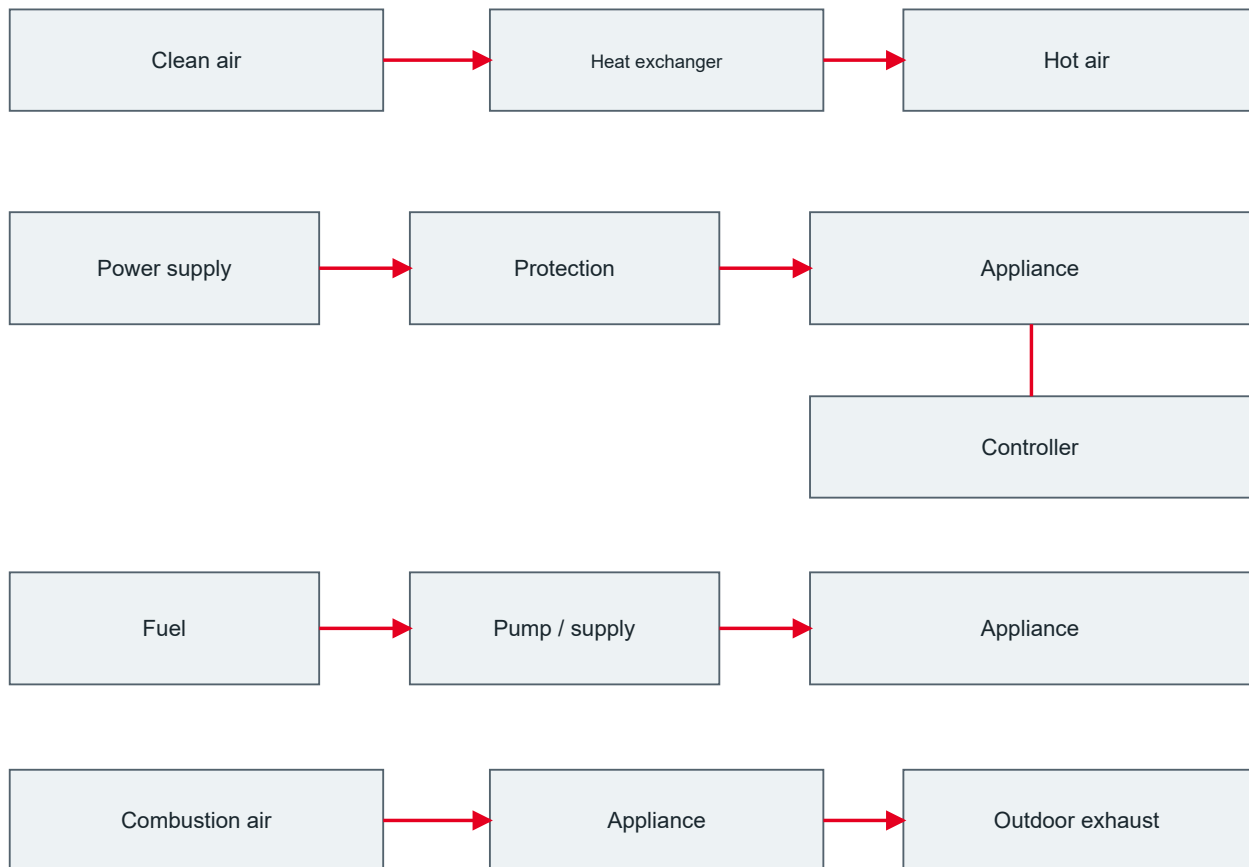
Common specification	Value
Fuel	Diesel
Operating voltage	12V
Heat output class	4 kW
Heat output	4 kW

For unpublished values, use the supplied variant's nameplate and data sheet: starting current, fastening torque, pressure, pump flow and protection devices cannot be inferred from power.

03 Recommended applications and output selection

Select according to insulation, outdoor temperature, heated volume and air exchange. For domestic water: water demand, pressure and frost protection. Engine displacement and engine coolant volume are not applicable to this unit.

04 Assembly identification



Functional identification diagram. A revision-specific internal drawing must accompany any disassembly work.

05 Step-by-step installation

STEP 1 - Position and stabilize

Install on a stable support and protect against splashes. Provide a safe outdoor area for combustion and exhaust.

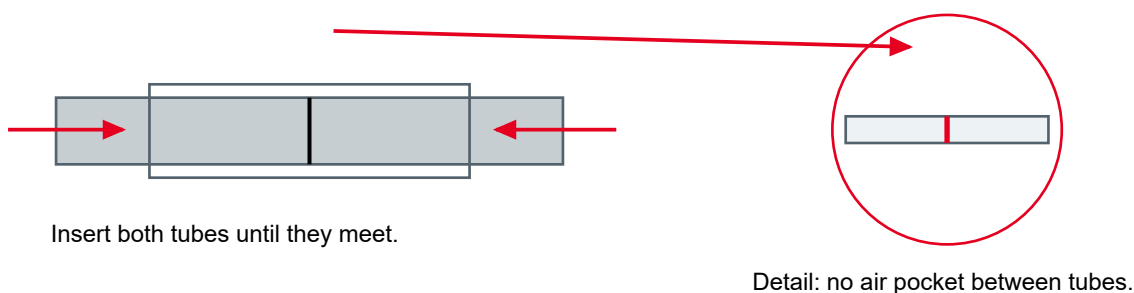
STEP 2 - Install the ducts

Secure warm-air ducts and check their outlets. Prevent exhaust-gas re-entry and disconnection where a duct passes through an opening.

STEP 3 - Check the tank

When cold, check the cap, hoses and absence of leaks. Use only the fuel specified on the nameplate.

ACTION DETAIL - schematic



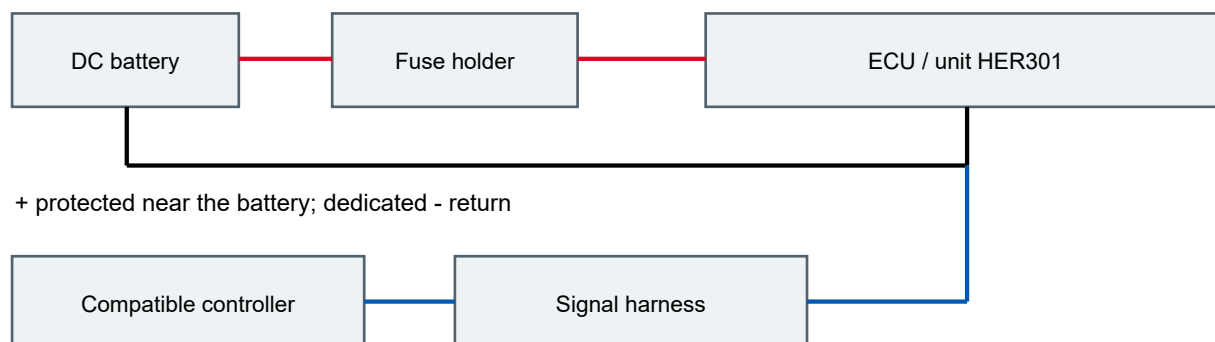
STEP 4 - Connect the power supply

Connect the supplied cable and controller. Check voltage, polarity and protection before testing.

STEP 5 - Test and store

Perform a supervised test, then a complete shutdown. Wait for cooling before moving. Inspect connections after every transport.

06 Electrical connections



Schematic. Pins, rating and voltage: use the supplied harness.

Maintain power during cooling. Normal shutdown uses the controller; do not install a switch that interrupts the cycle. Protect cables and connections against water, abrasion and heat.

07 Initial commissioning

Check	Result to verify
Rating plate and controller	SKU, voltage, fuel and connectors match
Mounting	Mountings, clearances, ducts and outlets checked
Fluid circuit	Filled and bled; no leaks
Supply under load	Voltage measured during starting
Complete cycle	Ignition, operation, setpoint and shutdown/cooling tested
Delivery	Rating-plate photo, measurements, date and installer recorded

08 Operation and controls

Use the supplied controller for starting, adjustment and stopping. Cooking remains supervised. Heating functions are only for variants designed for that mode.

Situation	Action
Install temporarily	Place on a suitable stable support and protect from splashes. Confirm that the intended portable installation is permitted. Keep combustion and exhaust outdoors, with routing that prevents exhaust re-entry through the warm-air duct.
Fill and start	With the unit cold and stopped, use the fuel specified on the nameplate. Check the cap, hoses, cables and power supply before starting. Do not move a running or still-hot unit.
Shelter heating	A portable heater does not eliminate the need for ventilation. Secure ducts to prevent disconnection. Do not route an improvised exhaust pipe through occupied space.
Store	Wait for complete cooling; store dry and secure the tank for transport. Inspect connections after every move. Check HER301-specific combustion settings and the exploded view against the nameplate and the supplied variant data sheet.

09 Maintenance and winterization

When	Work
Before use	Check fuel, battery, ducts, outlets, connections and absence of leaks.
After transport	Inspect mountings, cables, ducts and exposed components.
Before the season	Supervised test; full inspection of combustion and protective devices.
After repair	Suitable seals, leak test, complete cycle and measurements recorded.

Before use and after travel, inspect ducts, supports, openings, fuel lines and accessible connections. Once cool, remove external debris without directing water into the intake or flue.

Before the season and after storage, have the installation, battery, protection, tightness and combustion checked. Hour-based intervals, exercise-run duration and component life remain to be confirmed for the exact model and revision.

The user may keep access clear and clean cold surfaces using material-appropriate methods. Burner, exchanger, pump, sensor and ECU removal is qualified service work. Do not adjust fuel delivery or thermal protection.

After repair, require leak checks and a full cycle. Record date, hours, symptom, code, part SKUs and technician. Confirm applicable warranty terms with ATLOSON; no other warranty is implied.

10 Troubleshooting and fault codes

Symptom	Action
Display off	Check the permitted power supply, visible connection and identified protection device; a fuse that blows again requires professional diagnosis.
No ignition / flameout	Record the code and check fuel level and visible obstructions. Do not repeat starting or priming attempts; have fuel dosing and combustion checked.
Overheating / low heat output	Keep air passages clear. On a coolant circuit, allow cooling before checking the level; have air bleeding, circulation and pump checked. Do not bypass the sensor.
Smoke / odor / leak	Stop using the system and have it inspected before returning it to service. Do not tighten or repair a hot pipe.
Communication / remote control	Record the message and version. Have harness and protocol confirmed. For GSM, check the module and network availability with the installer.

Record the exact code before clearing it. Stop and allow cooling, check the power supply under load, then ducts and the fluid circuit. Correct the cause before a supervised test. A repeated fault requires workshop service.

For a code not described here, record the number, controller revision and circumstances; send them to ATLOSON support. Do not use a fault table from another type of unit.

11 Parts, kits and purchasing

Order by part number and variant. Drawing callouts are not SKUs. Check voltage, fuel and connector before replacement. A complete-system reference is not a maintenance kit.

[ATLOSON parts](#)

Records and support

Date / hours: _____ Work / parts: _____

Keep the invoice, SKU, serial number and history. For assistance, provide a nameplate photo, code and symptom.

[ATLOSON support](#)