

AIO™ Vertical Stack

Self-Certification Checklist



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CERTIFICATIONS & LISTINGS

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ETL Listed. Control Number: 5032306. Conforms to: UL 60335-2-40:2022 Ed.4 | CSA C22.2#60335-2-40:2022 Ed.4 | UL 60335-1:2016 Ed.6 | CSA C22.2#60335-1:2016 Ed.2

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1. POST-INSTALLATION SELF-CERTIFICATION CHECKLIST

All items below must be verified during or after installation to ensure proper system performance, safety, and serviceability.

1.1 Positioning & Mounting

- ☐ The unit is installed vertically, upright, plumb, and level from side to side.
- ☐ The mounting location allows for unobstructed airflow and easy future access to filters and panels.
- ☐ Anti-vibration pads or isolation strips are installed under the mounting brackets if required.
- ☐ Sufficient access clearance is maintained for electrical, valve, and drain servicing.
- ☐ All surrounding construction is complete before installing the final cover or grille.

1.2 Condensate Drain

- ☐ The drain line is installed with a minimum slope of 1/4 inch (6.35 mm) per foot downward.
- ☐ A drain trap is installed to prevent airflow interference with the drainage system.
- ☐ The drain line is sealed, insulated, and free of kinks or dips.
- ☐ Heat tape or equivalent freeze protection is applied if required by the climate.
- ☐ The drain discharges at a location that is code-compliant and accessible for maintenance.
- ☐ A condensate drain test has been performed by pouring water into the pan to confirm proper flow.

1.3 Electrical Connections

- ☐ The power supply matches the unit's rated voltage and phase (verified against the nameplate).

- ☐ The unit is properly grounded, and bonding is verified.
- ☐ All electrical connections are tight, strain-relieved, and mechanically protected.
- ☐ A dedicated circuit is used, and the unit does not share a load with other devices.
- ☐ GFCI protection is installed where required by code.
- ☐ A surge protector is installed to protect control boards and electronics.
- ☐ All control wiring (including thermostat, valves, ECM, etc.) is complete, secure, and properly labeled.
- ☐ A disconnect switch is installed and easily accessible.

1.4 Ductwork or Plenum Connections

- ☐ The supply air plenum is tightly sealed at the unit connection.
- ☐ The return air grille and filter are installed and accessible for maintenance.
- ☐ There are no airflow obstructions between the fan and the supply duct.
- ☐ All ducts are insulated and mechanically fastened to prevent air loss.
- ☐ Duct transitions are smooth, with no sharp bends or constrictions that reduce airflow.

1.5 Condensate Piping

- ☐ All piping joints are confirmed to be leak-free.
- ☐ Piping is fully insulated using closed-cell insulation to prevent condensation.
- ☐ Access is provided to all balancing valves, strainers, and test ports.
- ☐ There are no kinks, tight bends, or unsupported sections in the piping.
- ☐ A p-trap is installed near the unit to ensure proper drainage.

1.6 Post-Installation & Start-Up – Mechanical & Electrical Checks

- ☐ The fan spins freely, with no obstructions and no unusual or excessive noise.
- ☐ The coil and cabinet are clean and free of debris.
- ☐ All access panels allow human access to work on the unit and are installed and securely fastened in place.
- ☐ The condensate trays are pitched, tested, and drain properly.
- ☐ Power is applied only after all mechanical inspections are complete.
- ☐ The thermostat or control interface is fully operational.

1.7 Post-Installation & Start-Up – Airflow & Configuration Checks

- ☐ Fan mode and speed settings are adjusted for the connected ductwork and room size.
- ☐ The unit has been tested in all modes.
- ☐ All sensor and control inputs/outputs are verified for correct operation.
- ☐ All safety features and fault protections have been tested and confirmed to function properly.

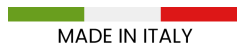
1.8 Commissioning & Delivery

- ☐ Condensate flow is verified under live operation.
- ☐ Electrical current is measured under load to confirm expected performance.
- ☐ Filters are installed and clean.
- ☐ The end user or operator is trained in system operation and maintenance.
- ☐ The final commissioning checklist is completed and submitted.
- ☐ The unit is labeled clearly with project-specific identifiers (zone, suite, etc.).



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