



Anchors Aweigh Energy, LLC
 2307 Fenton Parkway, Suite 107-143
 San Diego, CA 92108
 (858) 254-1189 · www.aae-hers.com

A2L HVAC System Affidavit¹

Installation Checklist

Integral Refrigerant Detection System (RDS)²		
1. Equipment listed and labeled to UL/CSA 60335-2-40 (4th Ed.)?	Yes	No
2. Is integral RDS required to be installed? (see manufacturer's instructions)	Yes	No
3. Is the correct part number RDS installed? (RDS may be shipped separately)	Yes	No
4. Are sensors in the correct location? (may change based on air handler orientation) ³	Yes	No
5. Is RDS wiring connected per manufacturer's wiring diagram?	Yes	No
Room Size/Charge Limits		
1. For ducted systems (no zoning system) - is total room area connected by the duct system greater than the minimum room size requirement?	Yes	No
2. For ducted systems (with zoning system) - is either the smallest zone greater than the minimum room size requirement, or the zoning system configured to open all zones if RDS detects a leak?	Yes	No
3. For non-ducted systems (room units or wall-hung units): is room size greater than the minimum room size requirement? ⁴	Yes	No
4. Refrigerant charge does not exceed the UL 60335-2-40 listed maximum for this appliance, and is not more than 34.5 lb (15.6 kg) per independent circuit?	Yes	No
Internal Sources of Ignition		
1. Field-installed auxiliary electric heaters - is the heater kit model identified on the nameplate?	Yes	No
2. All electrical components inside the enclosure shown on the manufacturer's wiring diagram?	Yes	No
Duct-mounted Sources of Ignition		
1. Identified by the equipment manufacturer's instructions? (e.g., electrostatic air cleaners)	Yes	No
2. No electric heating elements, open flames, or switching electrical loads greater than 2.5 kVA?	Yes	No
3. Potential duct-mounted ignition sources interlocked with airflow (minimum 200 ft/min. face velocity) or de-energized if RDS detects a leak?	Yes	No
Additional Mitigation Controls		
1. Does the manufacturer specify installation of Safety Shutoff Valves?	Yes	No
Refrigerant Piping		
1. Installed and protected per manufacturer's instructions?	Yes	No
2. Pressure and leak tested per manufacturer's instructions (ASHRAE 15-2022 / CMC Chapter 11)?	Yes	No
3. Press-connect fittings certified for use with A2L refrigerants?	Yes	No
Markings, Instructions, and Signage		
1. Refrigerant type and field-adjusted charge recorded on the unit label?	Yes	No
2. Contact information for the responsible company that installed the system?	Yes	No
3. Installation instructions, service manuals, and literature available for inspection?	Yes	No



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The undersigned is the person responsible for complying with all manufacturer specifications and code requirements of ASHRAE 15-2022, ASHRAE 15.2-2022, UL/CSA 60335-2-40, and the 2025 California Mechanical Code (Title 24, Part 4) Chapter 11 for the address below.

Project Address

Refrigerant (R-32 or R-454B)	Total Charge (lb)
Name	Date
Company / CSLB#	Phone

- 1 The 2025 California Mechanical Code (Title 24, Part 4) Chapter 11 requires refrigeration systems using Group A2L refrigerants to use listed equipment installed per the listing and manufacturer's instructions. HVAC appliances containing A2L refrigerants shall be listed and labeled to UL/CSA 60335-2-40 (4th Ed.) (or UL 484 for room air conditioners). High-probability systems for human comfort shall comply with ASHRAE 15-2022 §7.6 as referenced by CMC Chapter 11; one- and two-family / townhouse installations shall also comply with ASHRAE 15.2-2022. Follow the instructions shipped with the system. Electrical: 2025 CEC. Fuel-gas: 2025 CMC/CPC as applicable. Do not use IRC M1411.2 as the California code path (CRC mechanical chapters are not adopted).
- 2 RDS and minimum room size are typically required when releasable charge exceeds m1 per UL 60335-2-40 4th Ed. / ASHRAE 15.2-2022 Table 9-1 (about 4.0 lb for R-454B; about 2.7-4 lb for R-32 depending on edition). Factory-sealed non-fixed equipment often uses a lower ~2 lb threshold. Always use the manufacturer's listed m1/m2 and minimum room area, not a generic cutoff.
- 3 A2L refrigerants are heavier than air. Sensors are typically located near the bottom of the enclosure, below the evaporator coil.
- 4 Mounting height is typically measured from the bottom of a wall-hung unit and may change the minimum room size. Rooms on the same floor may be included if a permanent connecting passageway extends to the floor and is intended for people to walk through.