



Modine HVAC Technical Service Bulletin

DATE

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FROM

Modine HVAC Technical Support

TO

Modine Representatives and Distributors who have purchased indoor or outdoor system make up air units. Applicable Models include: DBP/DCP, IBP/ICP, DBS/DCS, IBS/ICS, HBP/HCP, HDP/HPP, OBP/OCP, ODP/OPP.

PROPER LIFTING AND RIGGING METHODS FOR MODINE INDOOR AND OUTDOOR HVAC EQUIPMENT

This bulletin is a critical reminder of the proper lifting and rigging procedures for Modine indoor and outdoor HVAC equipment. Failure to follow all proper lifting instructions and applicable safety procedures can result in severe property damage, serious injury, or death.

Please ensure that your installation teams and contractors are fully aware of these requirements before moving or installing any Modine equipment. While the below serves as a reminder, please ensure you refer to the Installation and Service Manual and industry standards for all requirements and safety procedures.

GENERAL RIGGING AND SAFETY REQUIREMENTS (ALL UNITS)

- **Qualified Personnel:** Rigging and lifting of the units should only be performed by a qualified rigging company.
- **Industry Standards:** All lifting must adhere to appropriate industry standards, including but not limited to the applicable sections of ASME B30, OSHA 1910, and OSHA 1926.
- **Test Lifts:** Always test lift the unit to check for proper rigging balance before hoisting it to the desired installation location.
- **Spreader Bars:** To maintain stability during lifting and lowering, and to prevent damage to the unit casing, always include a spreader bar. Avoid twisting or uneven lifting of the unit.
- **Use All Points:** Always utilize ALL designated lifting points provided on the equipment.

INDOOR HVAC EQUIPMENT LIFTING GUIDELINES

The provisions for lifting indoor duct furnaces and make-up air units depend heavily on how the unit was shipped and the cabinet type.

- **Standard Blower Cabinets (Model Digit 16 = A through H):**

These units are shipped fully crated with skid supports below the unit.

- The unit may be lifted from the bottom by means of a forklift or other lifting device **ONLY** if the shipping support skids are left in place.
- **WARNING: DO NOT** attempt to lift the unit from the bottom unless the shipping skid supports are still securely in place.

- **Extended Blower Cabinets (Model Digit 16 = I through L):**

These units are shipped without a crate and cannot be lifted with a forklift.

- Use a crane or other overhead lifting device in conjunction with the designated lifting holes located on the base rail for safe unit relocation.
- If the unit must be lifted from the bottom for final installation, ensure it is properly supported over its *entire length* to prevent structural damage.

OUTDOOR / WEATHERPROOF EQUIPMENT LIFTING GUIDELINES

Outdoor units require specific attention to the mounting channels and environmental conditions during the lift.

- **Weather Conditions:** Never lift units in high winds.
- **Rigging Points:** A minimum of four 3/4-inch holes are supplied at the extended ends of the mounting channels to facilitate lifting the unit with installer-furnished eyebolts. Certain models will have additional lifting points. All lifting points must be used.
- **Cable Length & Spreader Bars:** When connecting sturdy steel cables, chains, or straps with eye loops to the unit, a spreader bar must be used. The cable length from the lifting point on the unit to the spreader bar should always be longer than the distance between the outer lifting points to avoid crushing the top of the unit.

ADDITIONAL REMINDERS

- Always check the Serial Plate(s) of the unit against your plans to ensure the unit is properly located. Although units may look outwardly similar, their functions, capacities, and internal options will often vary.
- Ensure the structural support at the unit location site (roof curb, slab, or equipment stand) is adequate to support the live weight load of the unit before hoisting.

If you have any questions or require further clarification on proper equipment handling, please refer to the specific **Installation and Service Manual** provided with your unit, or contact **Modine Technical Support at 800.828.4328**.