

## Installation

### Rigging and Handling

Before preparing the unit for lifting, estimate the approximate center of gravity for lifting safety. Because of placement of internal components, the unit weight may be unevenly distributed, with more weight in the coil area. Approximate unit weights are given in the Dimensions and Weights section beginning on page 9. Also, you may reference the unit weight on the unit nameplate.

Before hoisting the unit into position, use a proper rigging method such as straps, slings, or spreader bars for protection and safety. Always test-lift the unit to determine the exact unit balance and stability before hoisting it to the installation location.

### ⚠ WARNING

#### **Improper Unit Lift!**

Test lift the unit approximately 24 inches to verify proper center of gravity lift point. To avoid dropping of unit, reposition lifting point if unit is not level. Failure to properly lift unit can result in serious injury, possible equipment or property-damage, or death.

#### **Unit Handling Procedure**

1. Position rigging sling under wood skid using spreader bars to avoid unit damage.
2. Use a forklift with caution to prevent unit damage. The fork length must be at least 68 inches long to safely fork the unit from front or back.
3. The unit center of gravity will fall within the center of gravity block at various locations depending on unit options.
4. See unit nameplate for unit weight.

### Unit Location Recommendations

When selecting and preparing the unit installation location, consider the following recommendations.

1. Consider the unit weight. Reference the unit weight on the unit nameplate or in the Dimensions and Weights section on pages 9–10.
2. Allow sufficient space for the recommended clearances, access panel removal, and maintenance access. Refer to Figure I-PC-1.
3. The installer must provide threaded suspension rods for ceiling mounted units. All units must be installed level.
4. Coil piping and condensate drain requirements must be considered. Allow room for proper ductwork and electrical connections. Support all piping and ductwork independently of unit to prevent excess noise and vibration.

### Skid Removal

The unit ships on skids that provide forklift locations from the front or rear. The skid allows easy maneuverability of the unit during storage and transportation. Remove the skids before placing the unit in its permanent location.

Remove the skids using a forklift or jack. Lift one end of the unit off of the skids. Vibration isolators for external isolation are field supplied.

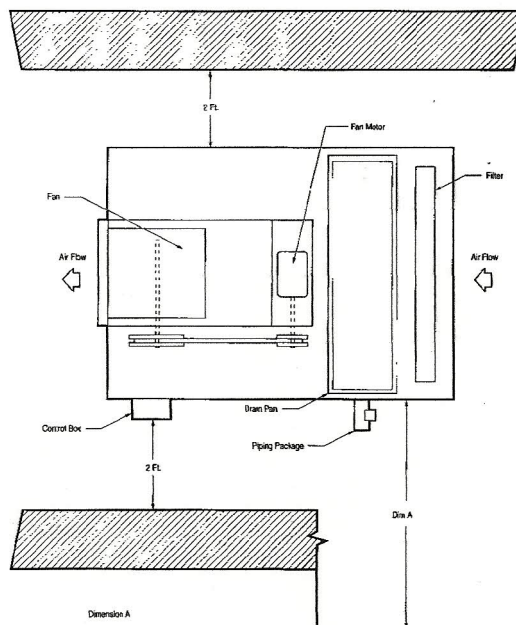
### Pre-Installation Checklist

Complete the following checklist before beginning unit installation.

- Verify the unit size and tagging with the unit nameplate.
- Make certain the floor or foundation is level, solid, and sufficient to support the unit and accessory weights. Reference unit and accessory weights on pages 9–14. Level or repair the floor before positioning the unit if necessary.
- Allow minimum recommended clearances for routine maintenance and service. Refer to unit submittals for dimensions.
- Allow one and one half fan diameters above the unit for the discharge ductwork.

**Table I-PC-1. Service Requirements, in. (cm)**

Unit Size	Dimension A
012	20 (50.8)
018	25 (63.5)
024	25 (63.5)
036	37 (94.0)
054	37 (94.0)
072	45 (114.3)
090	45 (114.3)



**Figure I-PC-1. Top view of blower coil unit showing recommended service and code clearances.**