

Extreme Wind Condition Mounting Kit

Installation Instructions

For Anchoring P4, Q4, R4 and R4GN Units on Pad or Directly on Roof or on Flooring

This kit is used to anchor large packaged AC/HP units and gas pack units on a pad or directly on a roof. Instructions for installing these anchors are given below.

This anchor system is designed to meet the requirements of the FLORIDA BUILDING CODE Section 301.13 regarding the wind resistance and anchoring requirements for mechanical equipment in Florida hurricane zones. This kit will secure these units to an appropriate concrete base pad or roof and withstand a maximum wind speed of 130 MPH or 3-second gusts to 150 MPH, as required. Minimum concrete pad requirements are given below.

KIT CONTENT

Base Mounting Bracket — Qty 4

Tapcon™ Concrete Screw 1/4" x 1-3/4" — Qty 4

Hex Head SM Screw #14 x 2" — Qty 4

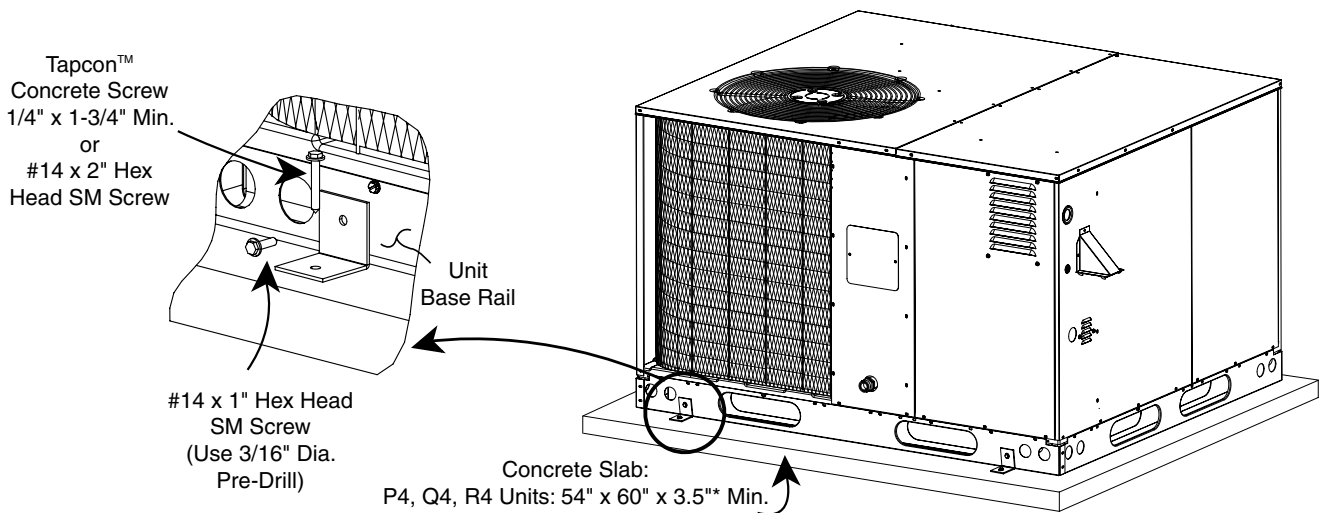
Hex Head SM Screw #14 x 1" — Qty 4

Installation Instructions

Installation procedure for installing anchor kit:

1. It is recommended that this kit be installed on the unit prior to connecting electrical wiring and ducting. It may be installed later if necessary.
2. Position the unit on the concrete pad or roof and install the anchor brackets as illustrated below. The concrete screws provided may be used if the unit is being anchored to a concrete pad or slab. If the unit is mounted directly on a roof or other structure, the 2" sheet metal screws provided may be used. It may be bolted to an appropriate structure or framework using 1/4" dia. minimum, grade 5 bolts and nuts if desired.
3. Install two anchors on each of the side base rails near the corners, as shown below — 4 total.

Note: Fasteners used in the installation of this kit must be properly installed and completely screwed in such that the head of the fastener engages the bracket.



*Slab may be less than 3.5" but not less than 2" if allowed by all applicable codes

Mounting system depicted is suitable for mounting to 3000 PSI poured concrete, 1/8" minimum thickness steel, or 1/4" minimum thickness aluminum at a height above ground up to 60 feet. Suitable mounting up to 500 feet above ground may be accomplished by using 8 clips, 2 near each corner.

Specifications & illustrations subject to change without notice or incurring obligations (05/15).
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Product Certification

I have reviewed the test data and the instructions and contents of the "high-wind" mounting kit for anchoring Model P4, Q4, R4, and R4GN package units and have made the following findings. The mounting kit clips allow the designated units to resist a 150 MPH wind speed when fastened to an adequately designed hard concrete or metal support (stand) in accordance with the instructions provided. Acceptable anchorage fasteners include 1/4" Tapcons with 1 1/2" embedment into concrete and 1/4" Grade 5 bolts with nuts and washers, one through each clip and into mating metal support.

My technical study was based upon the 2004 edition of the Florida Building Code, 3 second gust wind speed, exposure category "C", mounting height above ground up to 500 feet, and an importance factor of 1.15.

Note: Copies of the Installation Instructions included with the kit are not stamped. If the local Mechanical Inspection office does not have a stamped copy of this Installation Instruction on file, one may be obtained from the manufacturer of this kit. Contact the distributor where this kit was purchased.