

Extreme Wind Condition Mounting Kit

Installation Instructions

For Anchoring (*)S3, (*)S4, (*)S5, (*)SA2, (*)SA4 AC and (*)T3, (*)T4, (*)T5, (*)SH2, (*)SH4 HP Models From 1-5 Ton

This kit is used to anchor Nordyne split-system, air conditioners and heat pumps. Instructions for installing anchors on split-system or packaged units are the same. Illustrations for anchoring split-system units are shown below.

This anchor system is designed to meet the requirements of Florida Building code 2007 and appropriate portions of ASCE 7-05 regarding the wind resistance and anchoring requirements for mechanical equipment in Florida hurricane zones. This kit will secure these units to an adequately designed concrete base pad, metal frame or roof structure can withstand a 3 second gust of a maximum wind speed of 150 MPH. Minimum concrete pad requirements are given below.

KIT CONTENT

Base Mounting Bracket for models with metal base pan— Qty 8

Base Mounting Bracket for models with composite base pan— Qty 8

Tapcon™ Concrete Screw 1/4" x 1-3/4" — Qty 8

Hex Head SM Screw #14 x 2" — Qty 8

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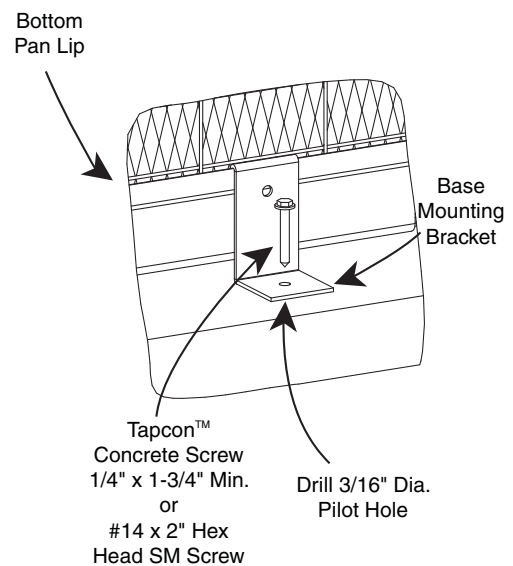
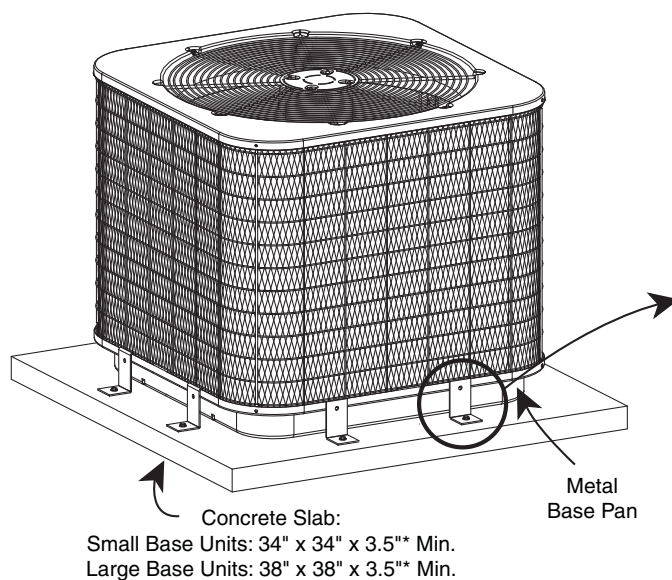
The kit has been updated to include four additional base mounting brackets for use on units that have the composite base pan. These brackets can be identified by the number of holes in the base of the bracket. Composite base pan mounting brackets have 3 holes in the base.

Installation procedure for installing anchor kit on split-system AC/HP models:

1. It is recommended that this kit be installed on the unit prior to connecting refrigerant lines and electrical wiring. It may be installed later if necessary.
2. Position the unit on the concrete pad or other structure and install the base mounting brackets as illustrated below and on reverse. The concrete screws provided may be used if the unit is being anchored to a concrete pad or slab. If the unit is mounted on a built-up 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 side of the corners of the unit as shown for split-system AC/HP models (below).

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.

Split-System AC and HP models



*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 500 feet.

Product Certification

I have reviewed the test data and the instructions and contents of the "high-wind" mounting kits for anchoring Model (*)S3, (*)S4, (*)S5, (*)SA2, (*)SA4 and (*)T3, (*)T4, (*)T5, (*)SH2, (*)SH4 condensing 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 Florida Building Code 2007 and appropriate portions of ASCE 7-05 code, 3 second gust wind speed, exposure category "C", and an importance factor of 1.15.

The installation meets paragraph 6.5.15.1 of ASCE 7-05 for a building with a height less than or equal to 60 ft. with a safety factor of 1.9.

This installation also is approved for units on buildings with a height greater than 60 ft. and less than 500 ft.

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.

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