

Installation, Operation and Maintenance Manual

Please read and save these instructions for future reference. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with these instructions will result in voiding of the product warranty and may result in personal injury and/or property damage.

Installation methods for Greenheck Vektor-H and Vektor-HS fans with Miami-Dade NOA Certification per NOA No. 24-0123.02

Must be installed with Greenheck model GPFHD curb.

Concrete Deck Anchoring Timber Anchoring Use 3/4 in. dia 300 Series SS Use 5/8 in. dia 316 SS Lag Bolts Hilti Kwik Bolt TZ2 (S.G.=0.50 MIN) = Predrill as Embedment: 4-1/2 min. recommended Spacing: per table shown Penetration - 5-7/8 in. Edge distance: 6 in. min. (Min. of 3-7/8 in. of threads to be End distance: 12 in. min. engaged into the wood) Assumed normal wt. cracked Spacing: per table shown concrete Edge distance: 2-1/2 in. min. f'c = 3 ksi min. End distance: 4-3/8 in. min. Concrete thickness: 6 in. min. Wood designed by others Concrete designed by others Wood timber **Install per manufacturer's 6 in. thick min. 3000 min. PSI instructions** Min. S. G. = 0.5 6 in. thick min.

Steel Anchoring - Self Drill / Tap Fasteners Steel Anchoring - Thru Bolts Use 5/8 in. dia thru bolts Use 5/16 in. dia 300 Series SS Fasteners 300 Series SS Cond. CW. Fy=65ksi 5/16-18 fasteners with full thread engaged Spacing: per table shown Spacing: per table shown Edge distance: 1-1/4 in. min. Edge/end distance: 5/8 in. min. Assumed structurally attached Assumed structurally attached steel 5/16 in. min. thick ASTMA36 steel 5/16 in. ASTMA36 steel Fy=36ksi min. (Fy=36ksi min.) Steel designed by others Steel designed by others **Building member Building member**

^{*}Fasteners installed per manufacturer's instructions.

| | MINIMUM NUMBER OF FASTENERS PER SIDE TO ATTACH CURB TO STRUCTURE (excludes 4 corner fasteners) USE ONE 2 in. x 2 in. x 1/4 in. SQUARE WASHER UNDER ALL FASTENERS | | | | | | | | | | | |
|-------------|---|-----|-----|----------------------------|-----|-----|------------------|-----|-----|--------------------------------|-----|-----|
| Model | Concrete Deck Anchoring | | | Steel Anchoring Thru Bolts | | | Timber Anchoring | | | Steel Anchoring Self-Drill/Tap | | |
| | 1x1 or fan only | 2x1 | 3x1 | 1x1 or fan only | 2x1 | 3x1 | 1x1 or fan only | 2x1 | 3x1 | 1x1 or fan only | 2x1 | 3x1 |
| Vektor-H-9 | 4 | 9 | 14 | 2 | 5 | 8 | 5 | 10 | 16 | 7 | 13 | 20 |
| Vektor-H-10 | | | | | | | | | | | | |
| Vektor-H-12 | | | | | | | | | | | | |
| Vektor-H-13 | | | | | | | | | | | | |
| Vektor-H-14 | | | | | | | | | | | | |
| Vektor-H-16 | | | | | | | | | | | | |
| Vektor-H-18 | | 8 | 13 | | | | | | | | | 19 |
| Vektor-H-20 | | | | | | | | | | | | |
| Vektor-H-22 | | | | | | | | | | | | |
| Vektor-H-24 | | | 14 | | | | 6 | | | | | |
| Vektor-H-30 | 5 10 6 12 | 10 | 15 | 3 | 6 | 9 | 0 | 12 | 18 | 8 | 14 | 22 |
| Vektor-H-36 | | 12 | 18 | | 7 | 11 | 8 | 14 | 22 | 9 | 17 | 26 |

Curb Fasteners



