



Heat Transfer Products Group, LLC  
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201 Thomas French Drive  
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Date: February 16, 2022

**SUBJECT: Wind Load Analysis of HTPG “3 TO 22 HP, Next-Gen II Series” Air Cooled Condensing Unit Models**

The following wind load analysis applies to all 3 TO 22 HP HTPG “Next-Gen II Series” Air Cooled Condensing Units using the following model nomenclature:

R	F	D	T	03	M	4S	E	A
1	2	3	4	5	6	7	8	9

The listing below are the positions for the new model with a brief explanation

- 1 **Branding:** R Russell W Witt K Kramer C ColdZone ? other brands may use single letter code
- 2 **Condenser and Control Type:** B No flooded condenser control (Indoor or Warm Climate Outdoor F Flooded Condenser Control (Outdoor)
- 3 **Compressor Type:** C Carlyle B Bitzer D Discus S Semi-hermetic O Scroll
- 4 **Configuration:** S D Series Single T D Series Dual
- 5 **Nominal Size:** XX Two numbers roughly equal to compressor horsepower
- 6 **Temperature Range:** L Low M Medium E Extended Medium
- 7 **Refrigerant Type:** 44 R404A 47 R407C 4A R407A 4S used when compressor acceptable for previous 3
- 8 **Voltage/Phase/Frequency Code:** E -208-230/3/60 G- 460/3/60 V- 208/3/60 Q-575/3/60
- 9 **Revision Code:** Starting with Letter A

The wind load analysis has determined both single and dual series NEW “Next-Gen II Series” air cooled condensing units are in accordance with ASCE/SEI 7-16, Florida Building Code Seventh Edition (2020, Section 1620.2) for the following location and building height:

**Installation location:** Miami – Dade County, Florida

**Installation Height:** 60 feet

Note: Using a roof curb to install these condensing units requires a metal mounting surface with stand details to be provided by the selected mechanical contractor at the job site.

Roof Mounting Requirements		
Number of Attachment Points #	Hurricane Uplift Load Tension (lbs)	Hurricane Horizontal Load Shear (lbs)
1-corner	1000	670
2- corner	1000	670
3 - corner	1000	670
4- corner	1000	670
5- to building	1000	670
6- to building	1000	670