



Pre No. CC241393-02-R0

WIND CERTIFICATION CERTIFICATE OF COMPLIANCE

Equipment Manufacturer

Manufacturer: Nimbus
Model Line: VIRGA/HyprCool/BOREAS
Product Type: Chillers – Air Cooled
Address: 1501 Sentinel Drive
Anniston, AL 36207
Phone: (844) 646-2873
Website: www.nimbus.cool

Certification Agency

Issue Date: 7-Nov-2024
Expiration Date: 7-Nov-2030
Agency Name: Pre Compliance
Address: 36 SW Wall Street
Bend, OR 97702
Phone: (541) 241-2310
Website: www.go-pre.com

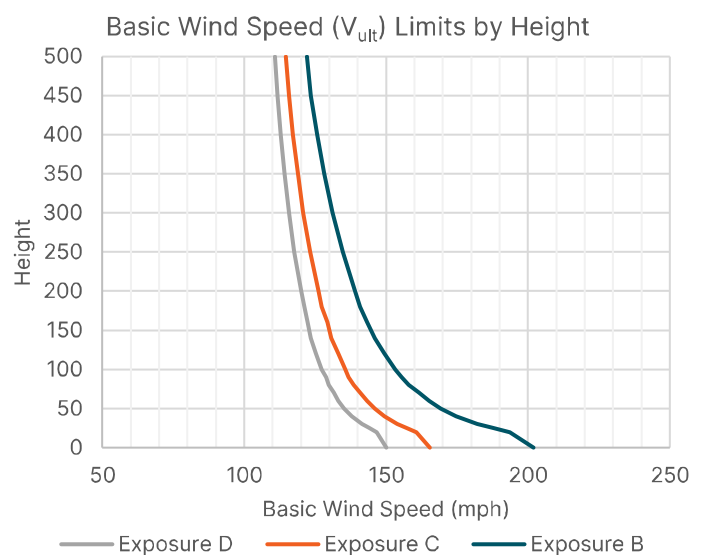
Wind Certification Parameters

Building Code(s): IBC 2021

Mounting Configuration: Base Mounted - Rigid
Risk Categories: I, II, III, IV
Exposure(s): B, C, D
Method of Certification: ASCE 7-16 Equivalent Static Analysis

$V_{ULT} \leq 202$ mph Basic Wind Speed, Exposure B¹
 $V_{ULT} \leq 165$ mph Basic Wind Speed, Exposure C¹
 $V_{ULT} \leq 150$ mph Basic Wind Speed, Exposure D¹
 $F_h/A_f = 95.8$ psf Horizontal Basis Pressure
 $F_v/A_f = 75.6$ psf Vertical Basis Pressure

¹Based on ASCE 7-16 Sec. 29.4.1 and the following parameters: Height ≤ 15 -ft; Topography Factor, $K_{ZT} = 1.0$; Wind Directionality Factor, $K_d = 0.85$; Ground Elevation Factor, $K_e = 1.0$; Horizontal Gust Effect and Pressure Product, $GC_r = 1.9$; and Vertical Gust Effect and Pressure Product, $GC_r = 1.5$. Adjust for other conditions.



Certification Terms

- For specific models covered under this certification, see Table of Certified Components and Subcomponents accompanying this certificate.
- This certification is dependent on proper mounting and anchorage in the listed mounting configuration(s). This certification does not specify anchorage design due to the variability of supporting structure and substrate conditions that may be present at the installation location.
- Certified products are approved for the Building Codes listed and previous editions of those codes. Extension of this certificate to other Building Codes requires assessment of parameters by Pre Compliance.

Approval

I attest that I have impartially reviewed the documentation supporting this wind certification and have confirmed it is in general conformance with the referenced codes and standards.

Name: Andy Coughlin, SE
Title: Principal Engineer
Email: andy@go-pre.com
Phone: (415) 635-8461
License: PE88018 (Florida)

Signature:

Andrew M Coughlin

Digitally signed by Andrew M Coughlin
Reason: This item has been digitally signed and sealed by Andrew M. Coughlin on the date below. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
Contact Info: andy@go-pre.com
Date: 2024.11.07 17:41:47-08'00'

