

# SpectraCool Narrow Hazardous Location Indoor/Outdoor



SpectraCool Narrow Hazardous Location Indoor/Outdoor air conditioners are engineered specifically for hazardous location cooling. Attractive design with no heavy cast enclosure and minimal use of visible fasteners. Air conditioners do not require a purge and pressurized system.

## INDUSTRY STANDARDS

UL/cUL Listed; Type 4; 4X; File No. E469720

CE

Class 1 Div 2 Groups A, B, C, D T4

## FEATURES

Not re-built from light industrial air conditioners

Painted galvanized sheet metal cover for rugged factory and outdoor environments

Corrosion resistant coating on ambient side components for Type 4X models

Corrosion resistant coating on ambient and enclosure side components for Type 4X Offshore models

Dust resistant coils for filterless operation in most environments

Cleanable, reusable aluminum mesh filter protects coils for extremely dusty and dirty atmospheres

Digital temperature control

Narrow design to accommodate 12-in (300-mm) deep cabinets

R134a, R513A or R407C earth-friendly Refrigerant

Models for 115, 230 and 400/460 3-phase VAC power input

UL Listed to save customers time and money with agency approvals

Easy-Mount flanges for simple installation

Standard Type 4/4X models include

- Active condensate management with heater strip

- Compressor Heater

- Head Pressure Control

- Power-off relay for door switch and other system requirements

- Malfunction switch

Nominal cooling capacities:

- NHZ28 4000 BTU/hr. (1172 W)

- NHZ36 6000 & 8000 BTU/hr. (1758 and 2344 W)

- NHZ43 11000 BTU/hr. (3223 W)

Outdoor model operating temperature range from -40 F/ -40 C to 131 F/ 55 C (125 F/52 C on NHZ28 Series and NHZ43 Series 115V)

## SPECIFICATIONS

| Table 1/1      |                           |                           |                 |                  |        |       |
|----------------|---------------------------|---------------------------|-----------------|------------------|--------|-------|
| Catalog Number | Nominal Capacity<br>Btu/h | Nominal Capacity<br>Watts | Nominal Voltage | Number of Phases | Height | Width |
| NHZ360646G460  | 6000Btu/h                 | 1757W                     | 460V            | 1                | 914mm  | 292mm |
| NHZ280446G300  | 4000Btu/h                 | 1172W                     | 460V            | 1                | 711mm  | 292mm |
| NHZ280446G360  | 4000Btu/h                 | 1172W                     | 460V            | 1                | 711mm  | 292mm |
| NHZ280446G400  | 4000Btu/h                 | 1172W                     | 460V            | 1                | 711mm  | 292mm |
| NHZ280446G460  | 4000Btu/h                 | 1172W                     | 460V            | 1                | 711mm  | 292mm |
| NHZ280446G500  | 4000Btu/h                 | 1172W                     | 460V            | 1                | 711mm  | 292mm |
| NHZ360646G300  | 6000Btu/h                 | 1757W                     | 460V            | 1                | 914mm  | 292mm |
| NHZ360646G360  | 6000Btu/h                 | 1757W                     | 460V            | 1                | 914mm  | 292mm |
| NHZ360646G400  | 6000Btu/h                 | 1757W                     | 460V            | 1                | 914mm  | 292mm |
| NHZ360646G500  | 6000Btu/h                 | 1757W                     | 460V            | 1                | 914mm  | 292mm |
| NHZ280416G300  | 4000Btu/h                 | 1172W                     | 115V            |                  | 711mm  | 292mm |
| NHZ280416G360  | 4000Btu/h                 | 1172W                     | 115V            |                  | 711mm  | 292mm |
| NHZ280416G400  | 4000Btu/h                 | 1172W                     | 115V            |                  | 711mm  | 292mm |
| NHZ280416G460  | 4000Btu/h                 | 1172W                     | 115V            |                  | 711mm  | 292mm |
| NHZ280416G500  | 4000Btu/h                 | 1172W                     | 115V            |                  | 711mm  | 292mm |
| NHZ280426G300  | 4000Btu/h                 | 1172W                     | 230V            |                  | 711mm  | 292mm |
| NHZ280426G360  | 4000Btu/h                 | 1172W                     | 230V            |                  | 711mm  | 292mm |
| NHZ280426G400  | 4000Btu/h                 | 1172W                     | 230V            |                  | 711mm  | 292mm |

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|----------------|---------------------------|---------------------------|-----------------|------------------|--------|-------|
| NHZ280426G460  | 4000Btu/h                 | 1172W                     | 230V            |                  | 711mm  | 292mm |
| NHZ280426G500  | 4000Btu/h                 | 1172W                     | 230V            |                  | 711mm  | 292mm |
| NHZ360616G300  | 6000Btu/h                 | 1757W                     | 115V            |                  | 914mm  | 292mm |
| NHZ360616G400  | 6000Btu/h                 | 1757W                     | 115V            |                  | 914mm  | 292mm |
| NHZ360616G500  | 6000Btu/h                 | 1757W                     | 115V            |                  | 914mm  | 292mm |
| NHZ360626G300  | 6000Btu/h                 | 1757W                     | 230V            |                  | 914mm  | 292mm |
| NHZ360626G400  | 6000Btu/h                 | 1757W                     | 230V            |                  | 914mm  | 292mm |
| NHZ360626G500  | 6000Btu/h                 | 1757W                     | 230V            |                  | 914mm  | 292mm |
| NHZ360816G300  | 7800Btu/h                 | 2286W                     | 115V            |                  | 914mm  | 292mm |
| NHZ360816G400  | 7800Btu/h                 | 2286W                     | 115V            |                  | 914mm  | 292mm |
| NHZ360826G300  | 8500Btu/h                 | 2489W                     | 230V            |                  | 914mm  | 292mm |
| NHZ360826G400  | 8500Btu/h                 | 2489W                     | 230V            |                  | 914mm  | 292mm |
| NHZ360826G500  | 8500Btu/h                 | 2489W                     | 230V            |                  | 914mm  | 292mm |
| NHZ360846G300  | 8500Btu/h                 | 2489W                     | 460V            | 3                | 914mm  | 292mm |
| NHZ360846G400  | 8500Btu/h                 | 2489W                     | 460V            | 3                | 914mm  | 292mm |
| NHZ360846G500  | 8500Btu/h                 | 2489W                     | 460V            | 3                | 914mm  | 292mm |
| NHZ431216G300  | 11000Btu/h                | 3223W                     | 115V            |                  | 1092mm | 292mm |
| NHZ431216G400  | 11000Btu/h                | 3223W                     | 115V            |                  | 1092mm | 292mm |
| NHZ431216G460  | 11000Btu/h                | 3223W                     | 115V            |                  | 1092mm | 292mm |
| NHZ431216G500  | 11000Btu/h                | 3223W                     | 115V            |                  | 1092mm | 292mm |

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|----------------|---------------------------|---------------------------|-----------------|------------------|--------|-------|
| NHZ431226G300  | 11000Btu/h                | 3223W                     | 230V            |                  | 1092mm | 292mm |
| NHZ431226G360  | 11000Btu/h                | 3223W                     | 230V            |                  | 1092mm | 292mm |
| NHZ431226G400  | 11000Btu/h                | 3223W                     | 230V            |                  | 1092mm | 292mm |
| NHZ431226G460  | 11000Btu/h                | 3223W                     | 230V            |                  | 1092mm | 292mm |
| NHZ431226G500  | 11000Btu/h                | 3223W                     | 230V            |                  | 1092mm | 292mm |
| NHZ431246G300  | 11000Btu/h                | 3223W                     | 460V            | 3                | 1092mm | 292mm |
| NHZ431246G360  | 11000Btu/h                | 3223W                     | 460V            | 3                | 1092mm | 292mm |
| NHZ431246G400  | 11000Btu/h                | 3223W                     | 460V            | 3                | 1092mm | 292mm |
| NHZ431246G460  | 11000Btu/h                | 3223W                     | 460V            | 3                | 1092mm | 292mm |
| NHZ431246G500  | 11000Btu/h                | 3223W                     | 460V            | 3                | 1092mm | 292mm |
| NHZ360616G360  | 6000Btu/h                 | 1757W                     | 115V            |                  | 914mm  | 292mm |
| NHZ360616G460  | 6000Btu/h                 | 1757W                     | 115V            |                  | 914mm  | 292mm |
| NHZ360626G360  | 6000Btu/h                 | 1757W                     | 230V            |                  | 914mm  | 292mm |
| NHZ360626G460  | 6000Btu/h                 | 1757W                     | 230V            |                  | 914mm  | 292mm |
| NHZ360816G360  | 7800Btu/h                 | 2286W                     | 115V            |                  | 914mm  | 292mm |
| NHZ360816G460  | 7800Btu/h                 | 2286W                     | 115V            |                  | 914mm  | 292mm |
| NHZ360816G500  | 7800Btu/h                 | 2286W                     | 115V            |                  | 914mm  | 292mm |
| NHZ360826G360  | 8500Btu/h                 | 2489W                     | 230V            |                  | 914mm  | 292mm |
| NHZ360826G460  | 8500Btu/h                 | 2489W                     | 230V            |                  | 914mm  | 292mm |
| NHZ360846G360  |                           |                           |                 |                  | 914mm  | 292mm |

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|----------------|---------------------------|---------------------------|-----------------|------------------|--------|-------|
| NHZ360846G460  | 8500Btu/h                 | 2489W                     | 460V            | 3                | 914mm  | 292mm |
| NHZ431216G360  | 11000Btu/h                | 3223W                     | 115V            |                  | 1092mm | 292mm |

### ADDITIONAL PRODUCT DETAILS

Units with Remote Access Control utilize a digital controller and communicate via EtherNet/IP, Profinet, Modbus TCP/IP and SNMP over ethernet or modbus RTU over USB.

### WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.



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