

# SpectraCool Indoor/Outdoor



SpectraCool Air Conditioners are available in three sizes that offer a broad range of cooling capacities and configurations. These units deliver reliable enclosure cooling in demanding environments that features reliable design, clean appearance, easy installation, and a filterless design.

SpectraCool with Advanced Corrosion Protection Solutions provide industry leading corrosion protection to components critical to the performance of the air conditioner. For applications where air conditioners are exposed to harsh, corrosive, chemical elements. Hoffman utilizes advanced coatings to protect the critical components, extending their life and optimizing the extended performance level of the product.

Select units come with Remote Access Control (RAC), an integrated, parametric controller designed to work seamlessly with our enclosure air conditioner units for the purpose of remotely monitoring and managing anywhere from a single unit to an entire network of Spectra cool air conditioners from virtually anywhere in the world with a secure internet connection. Ensure that your systems are always running at optimal temperature levels, increase productivity and improve overall system reliability.

## INDUSTRY STANDARDS

UL/cUL Listed; Type 12, 3R, 4; 4X optional; File No. SA6453

CE

EAC

IP 56 Internal Loop

IP 34 on External Loop

Telcordia GR-487 capable\*

## FEATURES

Attractive industrial design with minimal use of visible fasteners

Advanced Corrosion Protection Level 1 (ACP L1) Protection Includes: Protective coatings only applied to copper tubing and coils on the condenser (exterior facing) side as well as thermostat coatings

Energy-efficient rotary compressor on most models

Advanced Corrosion Protection Level 2 (ACP L2) Protection Includes: Everything that was coated in ACP L1, plus protective coatings applied to the evaporator (interior facing ) side and an additional wrap around the thermostat

Cleanable, reusable aluminum mesh filter included to protect coils for maximum cooling performance in dirty environments

Reliable mechanical thermostat on enclosure side of the unit

All G-series come standard with two separate thermostats for cooling and heating when a heater is equipped

Operating temperature range from -40 F/-40 C to 131 F/55 C

Dust-resistant condenser coil allows the unit to be run filterless in most indoor applications

Dual condenser-side air movers for performance redundancy on G52 and G57 models

Galvanized or stainless steel cover for rugged factory and outdoor environments

Exterior and partially recessed mounting options

## SPECIFICATIONS

Table 1/7

| Catalog Number | Article Number | Nominal Capacity Watts | Nominal Capacity Btu/h | Nominal Voltage | Number of Phases | Refrigerant |
|----------------|----------------|------------------------|------------------------|-----------------|------------------|-------------|
| G280416G050    | 20931          | 1172W                  | 4900Btu/h              | 115V            | 1                | R513A       |
| G280416G060    | 20968          | 1172W                  | 4900Btu/h              | 115V            | 1                | R513A       |
| G280416G100    | 20933          | 1172W                  | 4900Btu/h              | 115V            | 1                | R513A       |
| G280416G101    | 21056          | 1172W                  | 4900Btu/h              | 115V            | 1                | R513A       |
| G280416G150    | 20934          | 1172W                  | 4900Btu/h              | 115V            | 1                | R513A       |
| G280416G151    | 21187          | 1172W                  | 4900Btu/h              | 115V            | 1                | R513A       |
| G280416G360    | 34395          | 1172W                  | 4000Btu/h              | 115V            | 1                | R513A       |
| G280416G700    | 35631          | 1172W                  | 4000Btu/h              | 115V            | 1                | R513A       |
| G280416G800    | 35632          | 1172W                  | 4000Btu/h              | 115V            | 1                | R513A       |
| G280416G802    | 35633          | 1172W                  | 4000Btu/h              | 115V            | 1                | R513A       |
| G280426G050    | 20935          | 1435W                  | 4900Btu/h              | 230V            | 1                | R407C       |
| G280426G060    | 20971          | 1435W                  | 4900Btu/h              | 230V            | 1                | R407C       |
| G280426G100    | 20937          | 1435W                  | 4900Btu/h              | 230V            | 1                | R407C       |
| G280426G101    | 21057          | 1435W                  | 4900Btu/h              | 230V            | 1                | R407C       |
| G280426G150    | 20938          | 1435W                  | 4900Btu/h              | 230V            | 1                | R407C       |
| G280426G151    | 21188          | 1435W                  | 4900Btu/h              | 230V            | 1                | R407C       |
| G280426G360    | 35634          | 1172W                  | 4000Btu/h              | 230V            | 1                | R407C       |
| G280426G700    | 35635          | 1172W                  | 4000Btu/h              | 230V            | 1                | R407C       |
| G280426G800    | 35636          | 1172W                  | 4000Btu/h              | 230V            | 1                | R407C       |
| G280426G802    | 35637          | 1172W                  | 4000Btu/h              | 230V            | 1                | R407C       |

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| Catalog Number | Article Number | Nominal Capacity Watts | Nominal Capacity Btu/h | Nominal Voltage | Number of Phases | Refrigerant |
|----------------|----------------|------------------------|------------------------|-----------------|------------------|-------------|
| G280446G050    | 21027          | 1435W                  | 4900Btu/h              | 460V            | 3                | R513A       |
| G280446G060    | 20972          | 1435W                  | 4900Btu/h              | 460V            | 3                | R513A       |

| Catalog Number | Article Number | Nominal Capacity Watts | Nominal Capacity Btu/h | Nominal Voltage | Number of Phases | Refrigerant |
|----------------|----------------|------------------------|------------------------|-----------------|------------------|-------------|
| G280446G100    | 21028          | 1435W                  | 4900Btu/h              | 460V            | 3                | R513A       |
| G280446G101    | 21058          | 1435W                  | 4900Btu/h              | 460V            | 3                | R513A       |
| G280446G360    | 35638          | 1172W                  | 4000Btu/h              | 460V            | 3                | R513A       |
| G280446G700    | 35642          | 1172W                  | 4000Btu/h              | 460V            | 3                | R513A       |
| G280446G800    | 35643          | 1172W                  | 4000Btu/h              | 460V            | 3                | R513A       |
| G280446G802    | 35644          | 1172W                  | 4000Btu/h              | 460V            | 3                | R513A       |
| G280616G050    | 20923          | 1874W                  | 6400Btu/h              | 115V            | 1                | R407C       |
| G280616G060    | 20973          | 1874W                  | 6400Btu/h              | 115V            | 1                | R407C       |
| G280616G100    | 20921          | 1874W                  | 6400Btu/h              | 115V            | 1                | R407C       |
| G280616G101    | 20948          | 1874W                  | 6400Btu/h              | 115V            | 1                | R407C       |
| G280616G150    | 20918          | 1874W                  | 6400Btu/h              | 115V            | 1                | R407C       |
| G280616G151    | 21192          | 1874W                  | 6400Btu/h              | 115V            | 1                | R407C       |
| G280616G360    | 35645          | 1757W                  | 6000Btu/h              | 115V            | 1                | R407C       |
| G280616G700    | 35646          | 1757W                  | 6000Btu/h              | 115V            | 1                | R407C       |
| G280616G800    | 35647          | 1757W                  | 6000Btu/h              | 115V            | 1                | R407C       |
| G280616G802    | 35648          | 1757W                  | 6000Btu/h              | 115V            | 1                | R407C       |
| G280626G050    | 20917          | 1874W                  | 6400Btu/h              | 230V            | 1                | R407C       |
| G280626G060    | 20974          | 1874W                  | 6400Btu/h              | 230V            | 1                | R407C       |

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| Catalog Number | Article Number | Nominal Capacity Watts | Nominal Capacity Btu/h | Nominal Voltage | Number of Phases | Refrigerant |
|----------------|----------------|------------------------|------------------------|-----------------|------------------|-------------|
| G280626G100    | 20915          | 1874W                  | 6400Btu/h              | 230V            | 1                | R407C       |
| G280626G101    | 20904          | 1874W                  | 6400Btu/h              | 230V            | 1                | R407C       |
| G280626G150    | 20914          | 1874W                  | 6400Btu/h              | 230V            | 1                | R407C       |
| G280626G151    | 21193          | 1874W                  | 6400Btu/h              | 230V            | 1                | R407C       |
| G280626G360    | 35652          | 1757W                  | 6000Btu/h              | 230V            | 1                | R407C       |
| G280626G700    | 35653          | 1757W                  | 6000Btu/h              | 230V            | 1                | R407C       |
| G280626G800    | 35654          | 1757W                  | 6000Btu/h              | 230V            | 1                | R407C       |
| G280626G802    | 35655          | 1757W                  | 6000Btu/h              | 230V            | 1                | R407C       |
| G280646G050    | 21032          | 1757W                  | 6000Btu/h              | 460V            | 3                | R513A       |
| G280646G060    | 20975          | 1757W                  | 6000Btu/h              | 460V            | 3                | R513A       |
| G280646G100    | 21025          | 1757W                  | 6000Btu/h              | 460V            | 3                | R513A       |
| G280646G101    | 21023          | 1757W                  | 6000Btu/h              | 460V            | 3                | R513A       |
| G280646G360    | 35573          | 1757W                  | 6000Btu/h              | 460V            | 3                | R513A       |
| G280646G700    | 35656          | 1757W                  | 6000Btu/h              | 460V            | 3                | R513A       |
| G280646G800    | 35657          | 1757W                  | 6000Btu/h              | 460V            | 3                | R513A       |
| G280646G802    | 35658          | 1757W                  | 6000Btu/h              | 460V            | 3                | R513A       |

| Catalog Number | Article Number | Nominal Capacity Watts | Nominal Capacity Btu/h | Nominal Voltage | Number of Phases | Refrigerant |
|----------------|----------------|------------------------|------------------------|-----------------|------------------|-------------|
| G520816G050    | 19282          | 2300W                  | 8000Btu/h              | 115V            | 1                | R513A       |
| G520816G060    | 23897          | 2300W                  | 8000Btu/h              | 115V            | 1                | R513A       |
| G520816G100    | 20503          | 2300W                  | 8000Btu/h              | 115V            | 1                | R513A       |
| G520816G101    | 20978          | 2300W                  | 8000Btu/h              | 115V            | 1                | R513A       |

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| Catalog Number | Article Number | Nominal Capacity Watts | Nominal Capacity Btu/h | Nominal Voltage | Number of Phases | Refrigerant |
|----------------|----------------|------------------------|------------------------|-----------------|------------------|-------------|
| G520816G150    | 20504          | 2300W                  | 8000Btu/h              | 115V            | 1                | R513A       |
| G520816G151    | 20842          | 2300W                  | 8000Btu/h              | 115V            | 1                | R513A       |
| G520816G360    | 35662          | 3500W                  | 8000Btu/h              | 115V            | 1                | R513A       |
| G520816G700    | 35663          | 3500W                  | 8000Btu/h              | 115V            | 1                | R513A       |
| G520816G800    | 35664          | 3500W                  | 8000Btu/h              | 115V            | 1                | R513A       |
| G520816G802    | 35665          | 3500W                  | 8000Btu/h              | 115V            | 1                | R513A       |
| G520826G050    | 19283          | 2300W                  | 8000Btu/h              | 230V            | 1                | R513A       |
| G520826G060    | 23898          | 2300W                  | 8000Btu/h              | 230V            | 1                | R513A       |
| G520826G100    | 20505          | 2300W                  | 8000Btu/h              | 230V            | 1                | R513A       |
| G520826G101    | 20981          | 2300W                  | 8000Btu/h              | 230V            | 1                | R513A       |
| G520826G150    | 20506          | 2300W                  | 8000Btu/h              | 230V            | 1                | R513A       |
| G520826G151    | 21167          | 2300W                  | 8000Btu/h              | 230V            | 1                | R513A       |
| G520826G360    | 35666          | 3500W                  | 8000Btu/h              | 230V            | 1                | R513A       |
| G520826G700    | 35667          | 3500W                  | 8000Btu/h              | 230V            | 1                | R513A       |
| G520826G800    | 35668          | 3500W                  | 8000Btu/h              | 230V            | 1                | R513A       |
| G520826G802    | 35672          | 3500W                  | 8000Btu/h              | 230V            | 1                | R513A       |
| G520846G050    | 19284          | 2300W                  | 8000Btu/h              | 460V            | 3                | R513A       |
| G520846G060    | 23902          | 2300W                  | 8000Btu/h              | 460V            | 3                | R513A       |
| G520846G100    | 20514          | 2300W                  | 8000Btu/h              | 460V            | 3                | R513A       |
| G520846G101    | 21047          | 2300W                  | 8000Btu/h              | 460V            | 3                | R513A       |

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| Catalog Number | Article Number | Nominal Capacity Watts | Nominal Capacity Btu/h | Nominal Voltage | Number of Phases | Refrigerant |
|----------------|----------------|------------------------|------------------------|-----------------|------------------|-------------|
| G520846G150    | 20592          | 2300W                  | 8000Btu/h              | 460V            | 3                | R513A       |
| G520846G151    | 21168          | 2300W                  | 8000Btu/h              | 460V            | 3                | R513A       |
| G520846G360    | 35673          | 3500W                  | 8000Btu/h              | 460V            | 3                | R513A       |
| G520846G700    | 35674          | 3500W                  | 8000Btu/h              | 460V            | 3                | R513A       |
| G520846G800    | 35675          | 3500W                  | 8000Btu/h              | 460V            | 3                | R513A       |
| G520846G802    | 35676          | 3500W                  | 8000Btu/h              | 460V            | 3                | R513A       |
| G521216G050    | 19285          | 3500W                  | 12000Btu/h             | 115V            | 1                | R134a       |

| Catalog Number | Article Number | Nominal Capacity Watts | Nominal Capacity Btu/h | Nominal Voltage | Number of Phases | Refrigerant |
|----------------|----------------|------------------------|------------------------|-----------------|------------------|-------------|
| G521216G060    | 23903          | 3500W                  | 12000Btu/h             | 115V            | 1                | R134a       |
| G521216G100    | 20507          | 3500W                  | 12000Btu/h             | 115V            | 1                | R134a       |
| G521216G101    | 21048          | 3500W                  | 12000Btu/h             | 115V            | 1                | R134a       |
| G521216G150    | 20508          | 3500W                  | 12000Btu/h             | 115V            | 1                | R134a       |
| G521216G151    | 21171          | 3500W                  | 12000Btu/h             | 115V            | 1                | R134a       |
| G521216G360    | 35677          | 3500W                  | 12000Btu/h             | 115V            | 1                | R134a       |
| G521216G700    | 35678          | 3500W                  | 12000Btu/h             | 115V            | 1                | R134a       |
| G521216G800    | 35682          | 3500W                  | 12000Btu/h             | 115V            | 1                | R134a       |
| G521216G802    | 35683          | 3500W                  | 12000Btu/h             | 115V            | 1                | R134a       |
| G521226G050    | 19286          | 3500W                  | 12000Btu/h             | 230V            | 1                | R513A       |
| G521226G060    | 23904          | 3500W                  | 12000Btu/h             | 230V            | 1                | R513A       |
| G521226G100    | 20511          | 3500W                  | 12000Btu/h             | 230V            | 1                | R513A       |
| G521226G101    | 21158          | 3500W                  | 12000Btu/h             | 230V            | 1                | R513A       |

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| Catalog Number | Article Number | Nominal Capacity Watts | Nominal Capacity Btu/h | Nominal Voltage | Number of Phases | Refrigerant |
|----------------|----------------|------------------------|------------------------|-----------------|------------------|-------------|
| G521226G150    | 20512          | 3500W                  | 12000Btu/h             | 230V            | 1                | R513A       |
| G521226G151    | 21172          | 3500W                  | 12000Btu/h             | 230V            | 1                | R513A       |
| G521226G360    | 35684          | 3500W                  | 12000Btu/h             | 230V            | 1                | R513A       |
| G521226G700    | 35685          | 3500W                  | 12000Btu/h             | 230V            | 1                | R513A       |
| G521226G800    | 35686          | 3500W                  | 12000Btu/h             | 230V            | 1                | R513A       |
| G521226G802    | 35687          | 3500W                  | 12000Btu/h             | 230V            | 1                | R513A       |
| G521246G050    | 19287          | 3500W                  | 12000Btu/h             | 460V            | 3                | R513A       |
| G521246G060    | 23905          | 3500W                  | 12000Btu/h             | 460V            | 3                | R513A       |
| G521246G100    | 19884          | 3500W                  | 12000Btu/h             | 460V            | 3                | R513A       |
| G521246G101    | 21161          | 3500W                  | 12000Btu/h             | 460V            | 3                | R513A       |
| G521246G150    | 20558          | 3500W                  | 12000Btu/h             | 460V            | 3                | R513A       |
| G521246G151    | 21173          | 3500W                  | 12000Btu/h             | 460V            | 3                | R513A       |
| G521246G360    | 35688          | 3500W                  | 12000Btu/h             | 460V            | 3                | R513A       |
| G521246G700    | 35691          | 3500W                  | 12000Btu/h             | 460V            | 3                | R513A       |
| G521246G800    | 35692          | 3500W                  | 12000Btu/h             | 460V            | 3                | R513A       |
| G521246G802    | 35693          | 3500W                  | 12000Btu/h             | 460V            | 3                | R513A       |
| G572026G050    | 20817          | 5861W                  | 20000Btu/h             | 230V            | 1                | R407C       |
| G572026G060    | 23906          | 5861W                  | 20000Btu/h             | 230V            | 1                | R407C       |
| G572026G100    | 19288          | 5861W                  | 20000Btu/h             | 230V            | 1                | R407C       |
| G572026G101    | 19451          | 5861W                  | 20000Btu/h             | 230V            | 1                | R407C       |

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| Catalog Number | Article Number | Nominal Capacity Watts | Nominal Capacity Btu/h | Nominal Voltage | Number of Phases | Refrigerant |
|----------------|----------------|------------------------|------------------------|-----------------|------------------|-------------|
| G572026G150    | 21114          | 5861W                  | 20000Btu/h             | 230V            | 1                | R407C       |
| G572026G151    | 21438          | 5861W                  | 20000Btu/h             | 230V            | 1                | R407C       |
| G572026G360    | 35694          | 5861W                  | 20000Btu/h             | 230V            | 1                | R407C       |
| G572026G700    | 35695          | 5861W                  | 20000Btu/h             | 230V            | 1                | R407C       |
| G572026G800    | 35696          | 5861W                  | 20000Btu/h             | 230V            | 1                | R407C       |
| G572026G802    | 35697          | 5861W                  | 20000Btu/h             | 230V            | 1                | R407C       |
| G572046G050    | 20517          | 5861W                  | 20000Btu/h             | 460V            | 3                | R407C       |
| G572046G060    | 23907          | 5861W                  | 20000Btu/h             | 460V            | 3                | R407C       |
| G572046G100    | 20976          | 5861W                  | 20000Btu/h             | 460V            | 3                | R407C       |
| G572046G101    | 21051          | 5861W                  | 20000Btu/h             | 460V            | 3                | R407C       |
| G572046G150    | 20744          | 5861W                  | 20000Btu/h             | 460V            | 3                | R407C       |
| G572046G151    | 21441          | 5861W                  | 20000Btu/h             | 460V            | 3                | R407C       |
| G572046G360    | 35698          | 5861W                  | 20000Btu/h             | 460V            | 3                | R407C       |
| G572046G700    | 35702          | 5861W                  | 20000Btu/h             | 460V            | 3                | R407C       |
| G572046G800    | 35703          | 5861W                  | 20000Btu/h             | 460V            | 3                | R407C       |
| G572046G802    | 35704          | 5861W                  | 20000Btu/h             | 460V            | 3                | R407C       |

## ADDITIONAL PRODUCT DETAILS

\*Partial Recess Mount units are not eligible for Type 4 or 4X ratings. Also not eligible for Telcordia GR-487 certification.

Cutout Adapter options for enclosures with older nVent HOFFMAN or Competitive units for easy transitions to new air conditioners

## 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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