

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 1/9

Catalog Number	Nominal Capacity Watts	Nominal Capacity Btu/h	Nominal Voltage	Number of Phases	Refrigerant	Material
G280416G050	1172W	4900Btu/h	115V	1	R513A	Mild Steel
G280416G051	1172W	4900Btu/h	115V	1	R513A	Stainless Steel 304
G280416G060	1172W	4900Btu/h	115V	1	R513A	Mild Steel
G280416G100	1172W	4900Btu/h	115V	1	R513A	Mild Steel
G280416G101	1172W	4900Btu/h	115V	1	R513A	Mild Steel
G280416G102	1435W	4900Btu/h	115V	1	R513A	Stainless Steel 316L
G280416G150	1172W	4900Btu/h	115V	1	R513A	Mild Steel
G280416G151	1172W	4900Btu/h	115V	1	R513A	Stainless Steel 304
G280416G360	1172W	4000Btu/h	115V	1	R513A	Mild Steel
G280416G700	1172W	4000Btu/h	115V	1	R513A	Mild Steel
G280416G800	1172W	4000Btu/h	115V	1	R513A	Mild Steel
G280416G802	1172W	4000Btu/h	115V	1	R513A	Stainless Steel 316L
G280426G050	1435W	4900Btu/h	230V	1	R407C	Mild Steel
G280426G051	1435W	4900Btu/h	230V	1	R407C	Stainless Steel 304
G280426G060	1435W	4900Btu/h	230V	1	R407C	Mild Steel
G280426G100	1435W	4900Btu/h	230V	1	R407C	Mild Steel
G280426G101	1435W	4900Btu/h	230V	1	R407C	Mild Steel
G280426G102	1435W	4900Btu/h	230V	1	R407C	Stainless Steel 316L
G280426G150	1435W	4900Btu/h	230V	1	R407C	Mild Steel
G280426G151	1435W	4900Btu/h	230V	1	R407C	Stainless Steel 304

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Catalog Number	Nominal Capacity Watts	Nominal Capacity Btu/h	Nominal Voltage	Number of Phases	Refrigerant	Material
G280426G360	1172W	4000Btu/h	230V	1	R407C	Mild Steel
G280426G700	1172W	4000Btu/h	230V	1	R407C	Mild Steel
G280426G800	1172W	4000Btu/h	230V	1	R407C	Mild Steel
G280426G802	1172W	4000Btu/h	230V	1	R407C	Stainless Steel 316L
G280446G050	1435W	4900Btu/h	460V	3	R513A	Mild Steel
G280446G051	1435W	4900Btu/h	460V	3	R513A	Stainless Steel 304
G280446G060	1435W	4900Btu/h	460V	3	R513A	Mild Steel
G280446G100	1435W	4900Btu/h	460V	3	R513A	Mild Steel
G280446G101	1435W	4900Btu/h	460V	3	R513A	Mild Steel
G280446G102	1435W	4900Btu/h	460V	3	R513A	Stainless Steel 316L
G280446G360	1172W	4000Btu/h	460V	3	R513A	Mild Steel
G280446G700	1172W	4000Btu/h	460V	3	R513A	Mild Steel
G280446G800	1172W	4000Btu/h	460V	3	R513A	Mild Steel
G280446G802	1172W	4000Btu/h	460V	3	R513A	Stainless Steel 316L
G280616G050	1874W	6400Btu/h	115V	1	R407C	Mild Steel
G280616G051	1874W	6400Btu/h	115V	1	R407C	Stainless Steel 304
G280616G060	1874W	6400Btu/h	115V	1	R407C	Mild Steel
G280616G100	1874W	6400Btu/h	115V	1	R407C	Mild Steel
G280616G101	1874W	6400Btu/h	115V	1	R407C	Mild Steel
G280616G102	2757W	6000Btu/h	115V	1	R407C	Stainless Steel 316L

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Catalog Number	Nominal Capacity Watts	Nominal Capacity Btu/h	Nominal Voltage	Number of Phases	Refrigerant	Material
G280616G150	1874W	6400Btu/h	115V	1	R407C	Mild Steel
G280616G151	1874W	6400Btu/h	115V	1	R407C	Stainless Steel 304
G280616G360	1757W	6000Btu/h	115V	1	R407C	Mild Steel
G280616G700	1757W	6000Btu/h	115V	1	R407C	Mild Steel
G280616G800	1757W	6000Btu/h	115V	1	R407C	Mild Steel
G280616G802	1757W	6000Btu/h	115V	1	R407C	Stainless Steel 316L
G280626G050	1874W	6400Btu/h	230V	1	R407C	Mild Steel
G280626G051	1874W	6400Btu/h	230V	1	R407C	Stainless Steel 304
G280626G060	1874W	6400Btu/h	230V	1	R407C	Mild Steel

Catalog Number	Nominal Capacity Watts	Nominal Capacity Btu/h	Nominal Voltage	Number of Phases	Refrigerant	Material
G280626G100	1874W	6400Btu/h	230V	1	R407C	Mild Steel
G280626G101	1874W	6400Btu/h	230V	1	R407C	Mild Steel
G280626G102	1757W	6000Btu/h	230V	1	R407C	Stainless Steel 316L
G280626G150	1874W	6400Btu/h	230V	1	R407C	Mild Steel
G280626G151	1874W	6400Btu/h	230V	1	R407C	Stainless Steel 304
G280626G360	1757W	6000Btu/h	230V	1	R407C	Mild Steel
G280626G700	1757W	6000Btu/h	230V	1	R407C	Mild Steel
G280626G800	1757W	6000Btu/h	230V	1	R407C	Mild Steel
G280626G802	1757W	6000Btu/h	230V	1	R407C	Stainless Steel 316L
G280646G050	1757W	6000Btu/h	460V	3	R513A	Mild Steel
G280646G051	1757W	6000Btu/h	460V	3	R513A	Stainless Steel 304

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Catalog Number	Nominal Capacity Watts	Nominal Capacity Btu/h	Nominal Voltage	Number of Phases	Refrigerant	Material
G280646G060	1757W	6000Btu/h	460V	3	R513A	Mild Steel
G280646G100	1757W	6000Btu/h	460V	3	R513A	Mild Steel
G280646G101	1757W	6000Btu/h	460V	3	R513A	Mild Steel
G280646G102	1757W	6000Btu/h	460V	3	R513A	Stainless Steel 316L
G280646G360	1757W	6000Btu/h	460V	3	R513A	Mild Steel
G280646G700	1757W	6000Btu/h	460V	3	R513A	Mild Steel
G280646G800	1757W	6000Btu/h	460V	3	R513A	Mild Steel
G280646G802	1757W	6000Btu/h	460V	3	R513A	Stainless Steel 316L
G520816G050	2300W	8000Btu/h	115V	1	R513A	Mild Steel
G520816G051	2300W	8000Btu/h	115V	1	R513A	Stainless Steel 304
G520816G060	2300W	8000Btu/h	115V	1	R513A	Mild Steel
G520816G100	2300W	8000Btu/h	115V	1	R513A	Mild Steel
G520816G101	2300W	8000Btu/h	115V	1	R513A	Mild Steel
G520816G102	3500W	8000Btu/h	115V	1	R513A	Stainless Steel 316L
G520816G150	2300W	8000Btu/h	115V	1	R513A	Mild Steel
G520816G151	2300W	8000Btu/h	115V	1	R513A	Stainless Steel 304
G520816G360	3500W	8000Btu/h	115V	1	R513A	Mild Steel
G520816G700	3500W	8000Btu/h	115V	1	R513A	Mild Steel
G520816G800	3500W	8000Btu/h	115V	1	R513A	Mild Steel

Catalog Number	Nominal Capacity Watts	Nominal Capacity Btu/h	Nominal Voltage	Number of Phases	Refrigerant	Material
G520816G802	3500W	8000Btu/h	115V	1	R513A	Stainless Steel 316L

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Catalog Number	Nominal Capacity Watts	Nominal Capacity Btu/h	Nominal Voltage	Number of Phases	Refrigerant	Material
G520826G050	2300W	8000Btu/h	230V	1	R513A	Mild Steel
G520826G051	2300W	8000Btu/h	230V	1	R513A	Stainless Steel 304
G520826G060	2300W	8000Btu/h	230V	1	R513A	Mild Steel
G520826G100	2300W	8000Btu/h	230V	1	R513A	Mild Steel
G520826G101	2300W	8000Btu/h	230V	1	R513A	Mild Steel
G520826G102	3500W	8000Btu/h	230V	1	R513A	Stainless Steel 316L
G520826G150	2300W	8000Btu/h	230V	1	R513A	Mild Steel
G520826G151	2300W	8000Btu/h	230V	1	R513A	Stainless Steel 304
G520826G360	3500W	8000Btu/h	230V	1	R513A	Mild Steel
G520826G700	3500W	8000Btu/h	230V	1	R513A	Mild Steel
G520826G800	3500W	8000Btu/h	230V	1	R513A	Mild Steel
G520826G802	3500W	8000Btu/h	230V	1	R513A	Stainless Steel 316L
G520846G050	2300W	8000Btu/h	460V	3	R513A	Mild Steel
G520846G051	2300W	8000Btu/h	460V	3	R513A	Stainless Steel 304
G520846G060	2300W	8000Btu/h	460V	3	R513A	Mild Steel
G520846G100	2300W	8000Btu/h	460V	3	R513A	Mild Steel
G520846G101	2300W	8000Btu/h	460V	3	R513A	Mild Steel
G520846G102	3500W	8000Btu/h	460V	3	R513A	Stainless Steel 316L
G520846G150	2300W	8000Btu/h	460V	3	R513A	Mild Steel
G520846G151	2300W	8000Btu/h	460V	3	R513A	Stainless Steel 304

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Catalog Number	Nominal Capacity Watts	Nominal Capacity Btu/h	Nominal Voltage	Number of Phases	Refrigerant	Material
G520846G360	3500W	8000Btu/h	460V	3	R513A	Mild Steel
G520846G700	3500W	8000Btu/h	460V	3	R513A	Mild Steel
G520846G800	3500W	8000Btu/h	460V	3	R513A	Mild Steel
G520846G802	3500W	8000Btu/h	460V	3	R513A	Stainless Steel 316L
G521216G050	3500W	12000Btu/h	115V	1	R134a	Mild Steel

Catalog Number	Nominal Capacity Watts	Nominal Capacity Btu/h	Nominal Voltage	Number of Phases	Refrigerant	Material
G521216G051	3500W	12000Btu/h	115V	1	R134a	Stainless Steel 304
G521216G060	3500W	12000Btu/h	115V	1	R134a	Mild Steel
G521216G100	3500W	12000Btu/h	115V	1	R134a	Mild Steel
G521216G101	3500W	12000Btu/h	115V	1	R134a	Mild Steel
G521216G102	3500W	12000Btu/h	115V	1	R134a	Stainless Steel 316L
G521216G150	3500W	12000Btu/h	115V	1	R134a	Mild Steel
G521216G151	3500W	12000Btu/h	115V	1	R134a	Stainless Steel 304
G521216G360	3500W	12000Btu/h	115V	1	R134a	Mild Steel
G521216G700	3500W	12000Btu/h	115V	1	R134a	Mild Steel
G521216G800	3500W	12000Btu/h	115V	1	R134a	Mild Steel
G521216G802	3500W	12000Btu/h	115V	1	R134a	Stainless Steel 316L
G521226G050	3500W	12000Btu/h	230V	1	R513A	Mild Steel
G521226G051	3500W	12000Btu/h	230V	1	R513A	Stainless Steel 304
G521226G060	3500W	12000Btu/h	230V	1	R513A	Mild Steel
G521226G100	3500W	12000Btu/h	230V	1	R513A	Mild Steel

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Catalog Number	Nominal Capacity Watts	Nominal Capacity Btu/h	Nominal Voltage	Number of Phases	Refrigerant	Material
G521226G101	3500W	12000Btu/h	230V	1	R513A	Mild Steel
G521226G102	3500W	12000Btu/h	230V	1	R513A	Stainless Steel 316L
G521226G150	3500W	12000Btu/h	230V	1	R513A	Mild Steel
G521226G151	3500W	12000Btu/h	230V	1	R513A	Stainless Steel 304
G521226G360	3500W	12000Btu/h	230V	1	R513A	Mild Steel
G521226G700	3500W	12000Btu/h	230V	1	R513A	Mild Steel
G521226G800	3500W	12000Btu/h	230V	1	R513A	Mild Steel
G521226G802	3500W	12000Btu/h	230V	1	R513A	Stainless Steel 316L
G521246G050	3500W	12000Btu/h	460V	3	R513A	Mild Steel
G521246G051	3500W	12000Btu/h	460V	3	R513A	Stainless Steel 304
G521246G060	3500W	12000Btu/h	460V	3	R513A	Mild Steel
G521246G100	3500W	12000Btu/h	460V	3	R513A	Mild Steel
G521246G101	3500W	12000Btu/h	460V	3	R513A	Mild Steel
G521246G102	3500W	12000Btu/h	460V	3	R513A	Stainless Steel 316L
G521246G150	3500W	12000Btu/h	460V	3	R513A	Mild Steel

Catalog Number	Nominal Capacity Watts	Nominal Capacity Btu/h	Nominal Voltage	Number of Phases	Refrigerant	Material
G521246G151	3500W	12000Btu/h	460V	3	R513A	Stainless Steel 304
G521246G360	3500W	12000Btu/h	460V	3	R513A	Mild Steel
G521246G700	3500W	12000Btu/h	460V	3	R513A	Mild Steel
G521246G800	3500W	12000Btu/h	460V	3	R513A	Mild Steel
G521246G802	3500W	12000Btu/h	460V	3	R513A	Stainless Steel 316L

Table 8/9

Catalog Number	Nominal Capacity Watts	Nominal Capacity Btu/h	Nominal Voltage	Number of Phases	Refrigerant	Material
G572026G050	5861W	20000Btu/h	230V	1	R407C	Mild Steel
G572026G051	5861W	20000Btu/h	230V	1	R407C	Stainless Steel 304
G572026G060	5861W	20000Btu/h	230V	1	R407C	Mild Steel
G572026G100	5861W	20000Btu/h	230V	1	R407C	Mild Steel
G572026G101	5861W	20000Btu/h	230V	1	R407C	Mild Steel
G572026G102	5861W	20000Btu/h	230V	1	R407C	Stainless Steel 316L
G572026G150	5861W	20000Btu/h	230V	1	R407C	Mild Steel
G572026G151	5861W	20000Btu/h	230V	1	R407C	Stainless Steel 304
G572026G360	5861W	20000Btu/h	230V	1	R407C	Mild Steel
G572026G700	5861W	20000Btu/h	230V	1	R407C	Mild Steel
G572026G800	5861W	20000Btu/h	230V	1	R407C	Mild Steel
G572026G802	5861W	20000Btu/h	230V	1	R407C	Stainless Steel 316L
G572046G050	5861W	20000Btu/h	460V	3	R407C	Mild Steel
G572046G051	5861W	20000Btu/h	460V	3	R407C	Stainless Steel 304
G572046G060	5861W	20000Btu/h	460V	3	R407C	Mild Steel
G572046G100	5861W	20000Btu/h	460V	3	R407C	Mild Steel
G572046G101	5861W	20000Btu/h	460V	3	R407C	Mild Steel
G572046G102	5861W	20000Btu/h	460V	3	R407C	Stainless Steel 316L
G572046G150	5861W	20000Btu/h	460V	3	R407C	Mild Steel
G572046G151	5861W	20000Btu/h	460V	3	R407C	Stainless Steel 304

Table 9/9

Catalog Number	Nominal Capacity Watts	Nominal Capacity Btu/h	Nominal Voltage	Number of Phases	Refrigerant	Material
G572046G360	5861W	20000Btu/h	460V	3	R407C	Mild Steel
G572046G700	5861W	20000Btu/h	460V	3	R407C	Mild Steel
G572046G800	5861W	20000Btu/h	460V	3	R407C	Mild Steel

Catalog Number	Nominal Capacity Watts	Nominal Capacity Btu/h	Nominal Voltage	Number of Phases	Refrigerant	Material
G572046G802	5861W	20000Btu/h	460V	3	R407C	Stainless Steel 316L
N160116G102	235W	800Btu/h	115V	1	R513A	Stainless Steel 316L
N160126G102	235W	800Btu/h	230V	1	R513A	Stainless Steel 316L
N210216G102	586W	2000Btu/h	115V	1	R513A	Stainless Steel 316L
N210226G102	586W	2000Btu/h	230V	1	R513A	Stainless Steel 316L

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 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.

