

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	Article Number	Nominal Capacity Watts	Nominal Capacity Btu/h	Nominal Voltage	Number of Phases	Refrigerant
G280416G050 	20931	1172W	4900Btu/h	115V	1	R513A
G280416G051	20932	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
G280416G102	21444	1435W	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
G280426G051	20936	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
G280426G102	21445	1435W	4900Btu/h	230V	1	R407C
G280426G150	20938	1435W	4900Btu/h	230V	1	R407C
G280426G151	21188	1435W	4900Btu/h	230V	1	R407C

Table 2/9

Catalog Number	Article Number	Nominal Capacity Watts	Nominal Capacity Btu/h	Nominal Voltage	Number of Phases	Refrigerant
G280426G360	35634	1172W	4000Btu/h	230V	1	R407C

Catalog Number	ArticleNumber	Nominal CapacityWatts	Nominal CapacityBtu/h	NominalVoltage	Number ofPhases	Refrigeran t
G280426G700	35635	1172W	4000Btu/h	230V	1	R407C
G280426G800	35636	1172W	4000Btu/h	230V	1	R407C
G280426G802	35637	1172W	4000Btu/h	230V	1	R407C
G280446G050 	21027	1435W	4900Btu/h	460V	3	R513A
G280446G051 	21082	1435W	4900Btu/h	460V	3	R513A
G280446G060	20972	1435W	4900Btu/h	460V	3	R513A
G280446G100	21028	1435W	4900Btu/h	460V	3	R513A
G280446G101	21058	1435W	4900Btu/h	460V	3	R513A
G280446G102	21446	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
G280616G051	20922	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
G280616G102	21447	2757W	6000Btu/h	115V	1	R407C

Table 3/9						
Catalog Number	Article Number	Nominal Capacity Watts	Nominal Capacity Btu/h	Nominal Voltage	Number of Phases	Refrigeran t
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
G280626G051	20916	1874W	6400Btu/h	230V	1	R407C
G280626G060	20974	1874W	6400Btu/h	230V	1	R407C
G280626G100	20915	1874W	6400Btu/h	230V	1	R407C
G280626G101	20904	1874W	6400Btu/h	230V	1	R407C
G280626G102	21448	1757W	6000Btu/h	230V	1	R407C
G280626G150	20914	1874W	6400Btu/h	230V	1	R407C
G280626G151	21193	1874W	6400Btu/h	230V	1	R407C

Catalog Number	ArticleNumber	Nominal CapacityWatts	Nominal CapacityBtu/h	NominalVoltage	Number ofPhases	Refrigeran t
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
G280646G051 	21026	1757W	6000Btu/h	460V	3	R513A

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Catalog Number	Article Number	Nominal Capacity Watts	Nominal Capacity Btu/h	Nominal Voltage	Number of Phases	Refrigeran t
G280646G060	20975	1757W	6000Btu/h	460V	3	R513A
G280646G100	21025	1757W	6000Btu/h	460V	3	R513A
G280646G101	21023	1757W	6000Btu/h	460V	3	R513A
G280646G102	21451	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
G520816G050 	19282	2300W	8000Btu/h	115V	1	R513A
G520816G051	19897	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
G520816G102	21162	3500W	8000Btu/h	115V	1	R513A
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

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Catalog Number	Article Number	Nominal Capacity Watts	Nominal Capacity Btu/h	Nominal Voltage	Number of Phases	Refrigeran t
G520826G050	19283	2300W	8000Btu/h	230V	1	R513A
G520826G051	19888	2300W	8000Btu/h	230V	1	R513A
G520826G060	23898	2300W	8000Btu/h	230V	1	R513A

Catalog Number	ArticleNumber	Nominal CapacityWatts	Nominal CapacityBtu/h	NominalVoltage	Number ofPhases	Refrigeran t
G520826G100	20505	2300W	8000Btu/h	230V	1	R513A
G520826G101	20981	2300W	8000Btu/h	230V	1	R513A
G520826G102	21163	3500W	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
G520846G051 	19901	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
G520846G102	21105	3500W	8000Btu/h	460V	3	R513A
G520846G150 	20592	2300W	8000Btu/h	460V	3	R513A
G520846G151 	21168	2300W	8000Btu/h	460V	3	R513A

Table 6/9						
Catalog Number	Article Number	Nominal Capacity Watts	Nominal Capacity Btu/h	Nominal Voltage	Number of Phases	Refrigerant
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
G521216G051	19903	3500W	12000Btu/h	115V	1	R134a
G521216G060	23903	3500W	12000Btu/h	115V	1	R134a
G521216G100	20507	3500W	12000Btu/h	115V	1	R134a
G521216G101	21048	3500W	12000Btu/h	115V	1	R134a
G521216G102	21164	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

Catalog Number	ArticleNumber	Nominal CapacityWatts	Nominal CapacityBtu/h	NominalVoltage	Number ofPhases	Refrigeran t
G521216G802	35683	3500W	12000Btu/h	115V	1	R134a
G521226G050 	19286	3500W	12000Btu/h	230V	1	R513A
G521226G051	19902	3500W	12000Btu/h	230V	1	R513A
G521226G060	23904	3500W	12000Btu/h	230V	1	R513A
G521226G100	20511	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	Refrigeran t
G521226G101	21158	3500W	12000Btu/h	230V	1	R513A
G521226G102	21165	3500W	12000Btu/h	230V	1	R513A
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
G521246G051 	19485	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
G521246G102	21166	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

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Catalog Number	Article Number	Nominal Capacity Watts	Nominal Capacity Btu/h	Nominal Voltage	Number of Phases	Refrigeran t
G572026G050 	20817	5861W	20000Btu/h	230V	1	R407C
G572026G051	19895	5861W	20000Btu/h	230V	1	R407C
G572026G060	23906	5861W	20000Btu/h	230V	1	R407C
G572026G100 	19288	5861W	20000Btu/h	230V	1	R407C

Catalog Number	ArticleNumber	Nominal CapacityWatts	Nominal CapacityBtu/h	NominalVoltage	Number ofPhases	Refrigerant
G572026G101	19451	5861W	20000Btu/h	230V	1	R407C
G572026G102	21443	5861W	20000Btu/h	230V	1	R407C
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
G572046G051	19905	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
G572046G102	21078	5861W	20000Btu/h	460V	3	R407C
G572046G150 	20744	5861W	20000Btu/h	460V	3	R407C
G572046G151 	21441	5861W	20000Btu/h	460V	3	R407C

Table 9/9						
Catalog Number	Article Number	Nominal Capacity Watts	Nominal Capacity Btu/h	Nominal Voltage	Number of Phases	Refrigerant
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
N160116G102	35708	235W	800Btu/h	115V	1	R513A
N160126G102	35715	235W	800Btu/h	230V	1	R513A
N210216G102	35722	586W	2000Btu/h	115V	1	R513A
N210226G102	35726	586W	2000Btu/h	230V	1	R513A

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.



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