

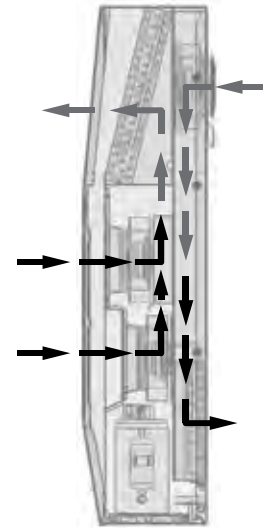
SPECTRACOOL™ INDOOR/OUTDOOR



G57
20000 BTU/Hr.
5861 Watt

G52
8000/12000 BTU/Hr.
2300/3500 Watt

G28
4000/6000 BTU/Hr.
1172/1758 Watt



■ Clean AirFlow
■ Ambient AirFlow

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INDUSTRY STANDARDS

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

CE
GOST
IP 56 Internal Loop
IP 34 on External Loop
Telcordia GR-487 capable (Outdoor)

APPLICATION

- Industrial automation
- Telecommunications equipment
- Waste water treatment systems
- Package handling equipment
- Security and defense systems
- And more

FEATURES

- Energy-efficient rotary compressor on most models
- R407c and R134a earth-friendly refrigerants
- 115, 230 and 400/460 VAC 3-phase power input on most models
- UL Listed to save customers time and money with agency approvals
- Outdoor model operating temperature range from -40 F/-40 C to 131 F/55 C
- Exterior and partially recessed mounting options
- Attractive industrial design with minimal use of visible fasteners
- Reliable mechanical thermostat on enclosure side of the unit; indoor air conditioner models include digital display on ambient side
- Dual condenser-side air movers for performance redundancy on G52 and G57 models
- Galvanized sheet-metal cover for rugged factory and outdoor environments
- Easy-mount flanges for simple installation
- Cut-out adapter options for enclosures with GENESIS™ and T-Series air conditioners, enable users to easily transition to the new unit

- Dust-resistant condenser coil allows the unit to be run filterless in most applications
- Cleanable, reusable aluminum mesh filter protects coils for maximum cooling performance
- Mounting hardware, gaskets and user manual furnished with the unit
- Every unit functionally tested before shipping
- Standard Indoor Air Conditioner models also include:
 - Active condensate management with heater strip
 - Power-off relay for door switch and other system requirements
 - Malfunction switch
- Standard Outdoor Air Conditioner models also include:
 - Telcordia GR-487 capable
 - Corrosion-resistant components
 - Malfunction switch
 - Compressor heater
 - Head pressure control
 - Up to 2000 Watt (G28, G52) and 3000 Watt (G57) enclosure heater

SPECIFICATIONS

- Nominal cooling capacity:
 - G28 4000 & 6000 BTU/Hr. (1172 and 1758 W)
 - G52 8000 & 12000 BTU/Hr. (2344 and 3516 W)
 - G57 20000 BTU/Hr. (5861 W)
- Outdoor model operating temperature range from -40 F/-40 C to 131 F/55 C

FINISH

- RAL 7035 light-gray, semi-textured powder-coat paint
- Other colors and textures available

NOTES

Visit www.HoffmanOnline.com to download 2D and 3D CAD drawings into the overall design of your electronic system.

Performance Data **G52 Models 8000/12000 BTU/Hr. (2300/3500 Watt)**

CATALOG NUMBER						
Indoor Model	G520816G050	G520826G050	G520846G050	G521216G050	G521226G050	G521246G050
Indoor Model Stainless Steel Type 4X	G520816G051	G520826G051	G520846G051	G521216G051	G521226G051	G521246G051
Indoor Model with Remote Access Control*	G520816G060	G520826G060	G520846G060	G521216G060	G521226G060	G521246G060
Outdoor Model without Heat Pkg.	G520816G100	G520826G100	G520846G100	G521216G100	G521226G100	G521246G100
Outdoor Model Partial Recessed Mount	G520816G101	G520826G101	G520846G101	G521216G101	G521226G101	G521246G101
Outdoor Model without Heat Pkg. Stainless Steel Type 4X	G520816G102	G520826G102	G520846G102	G521216G102	G521226G102	G521246G102
Outdoor Model with Heat Pkg.	G520816G150	G520826G150	G520846G150	G521216G150	G521226G150	G521246G150
Outdoor Model with Heat Pkg. Stainless Steel Type 4X	G520816G151	G520826G151	G520846G151	G521216G151	G521226G151	G521246G151
COOLING PERFORMANCE						
Nominal:						
BTU/Hr.	8000	8000	8000	12000	12000	12000
Watts	2300	2300	2300	3500	3500	3500
At 131 F/131 F (55 C/55 C):						
BTU/Hr.	7300/8200	7300/8200	8800/9800	12000/12500	12000/12500	11100/12000
Watts	2139/2403	2139/2403	2578/2871	3516/3662	3516/3662	3252/3516
At 95 F/95 F (35 C/35 C):						
BTU/Hr.	6000/6800	6000/6800	7400/8200	9900/10700	9900/10700	9900/10700
Watts	1758/1992	1758/1992	2168/2402	2900/3135	2900/3135	2900/3135
Refrigerant	R134a	R134a	R134a	R134a	R134a	R134a
Refrigerant Charge (ounces/grams)	24/680	24/680	24/680	38/1077	38/1077	38/1077
Operating Temperature Range:						
Maximum [°F/°C]	131/55	131/55	131/55	131/55	131/55	131/55
Indoor Minimum [°F/°C]	50/10	50/10	50/10	50/10	50/10	50/10
Outdoor Minimum [°F/°C]	-40/-40	-40/-40	-40/-40	-40/-40	-40/-40	-40/-40
Airflow at 0 Static Pressure:						
Internal loop 50 Hz (CFM / m³/hr.)	285/484	285/484	285/484	287/487	287/487	287/487
External loop 50 Hz (CFM / m³/hr.)	650/1104	650/1104	650/1104	635/1078	635/1078	635/1078
Internal loop 60 Hz (CFM / m³/hr.)	310/527	310/527	310/527	305/518	305/518	305/518
External loop 60 Hz (CFM / m³/hr.)	700/1189	700/1189	700/1189	650/1104	650/1104	650/1104
Max. Heater W (Outdoor Models):	2000	2000	NA	2000	2000	NA
ELECTRICAL DATA						
Rated Voltage	115	230/208-230	400/460 3~	115	230/208-230	400/460 3~
Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60
Operating Range	+/- 10%	+/- 10%	+/- 10%	+/- 10%	+/- 10%	+/- 10%
Max. Power Consumption (W)	1250/1415	1250/1415	806/957**	2100/2427	1830/2130	910/1106**
Max. Nominal Current (A)	11.2/12.3	5.6/7.0-6.2	3.1/3.2	16.1/21.0	9.1/10.6-9.5	3.6/3.5
Starting Current (A)	48	27	16	57	38	16
Agency Approvals			cUL Listed CE GOST Others available upon request Terminal Block			
Power Input Description						
ENCLOSURE PROTECTION						
UL Type			Type 12, 3R, 4 standard Type 4X Stainless steel optional			
International Rating			IP56 internal loop IP34 external loop			
CONTROLLER						
Description			Basic mechanical thermostat with digital display			
Thermostat Location			Enclosure side on all base models			
Digital Display Location:						
Indoor Models			Ambient side			
Outdoor Models			Enclosure side			
Factory Thermostat Setting (F/C)			80/27			
SOUND LEVEL						
At 1.5 Meters			68 dB(A)			
UNIT CONSTRUCTION						
Material			Galvanized sheet metal standard Stainless steel optional			
Finish			RAL 7035 light-gray, semi-textured powder-coat paint standard Other colors available			
ACCESSORIES						
Cleanable Re-usable Filter			Aluminum mesh Part #101000103			
EASYSWAP Adaptor Plenum (GENESIS™ M52)			Enables SPECTRACOOL to be mounted to a GENESIS M52 air conditioner cutout Catalog Number PLM52G52			
UNIT DIMENSIONS						
Height (in./mm)			52.69/1338			
Width (in./mm)			17.12/435			
Depth (in./mm)			11.66/296			
Weight (lb./kg)			128/58.1	128/58.1	138/62.6	131/59.4 131/59.4 141/64.0

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

**Watts based on .65 power factor.

EASY SWAP Adaptor Plenum Cross Reference

Air Conditioner Manufacturer To Replace	Air Conditioner Series To Replace	Air Conditioner Part Number To Replace	Use This Hoffman Air Conditioner Catalog Number	With This Adaptor Plenum Catalog Number	Adaptor Plenum Dimensions AxBxC" (in./mm)
Hoffman	Genesis	M130116G014	N170116G010	PLM13N17	17.65x14.25x1.50 448x362x38
Hoffman	Genesis	M130126G1008	N170126G010	PLM13N17	17.65x14.25x1.50 448x362x38
Hoffman	Genesis	M130146G1400	N170146G010	PLM13N17	17.65x14.25x1.50 448x362x38
Hoffman	Genesis	M170216G009	N170216G010	Not Required	---
Hoffman	Genesis	M170226G004	N170226G010	Not Required	---
Hoffman	Genesis	M170246G400	N170246G010	Not Required	---
Hoffman	Genesis	M280216G013	N170216G010	PLM28N17	28.50x17.00x1.50 724x432x38
Hoffman	Genesis	M280226G004	N170226G010	PLM28N17	28.50x17.00x1.50 724x432x38
Hoffman	Genesis	M280246G400	N170246G010	PLM28N17	28.50x17.00x1.50 724x432x38
Hoffman	Genesis	M280416G007	G280416G050	PLM28G28	28.50x17.00x1.50 724x432x38
Hoffman	Genesis	M280426G032	G280426G050	PLM28G28	28.50x17.00x1.50 724x432x38
Hoffman	Genesis	M280446G400	G280446G050	PLM28G28	28.50x17.00x1.50 724x432x38
Hoffman	Genesis	M280616G005	G280616G050	PLM28G28	28.50x17.00x1.50 724x432x38
Hoffman	Genesis	M280626G005	G280626G050	PLM28G28	28.50x17.00x1.50 724x432x38
Hoffman	Genesis	M280646G400	G280646G050	PLM28G28	28.50x17.00x1.50 724x432x38
Hoffman	Genesis	M330416G010	N280416G050	PLM33N28	34.31x12.00x1.50 871x305x38
Hoffman	Genesis	M330426G009	N280426G050	PLM33N28	34.31x12.00x1.50 871x305x38
Hoffman	Genesis	M330446G400	N280446G050	PLM33N28	34.31x12.00x1.50 871x305x38
Hoffman	Genesis	M360616G307	N360616G050	PLM36N36	38.75x15.00x1.50 984x381x38
Hoffman	Genesis	M360626G306	N360626G050	PLM36N36	38.75x15.00x1.50 984x381x38
Hoffman	Genesis	M360646G400	N360646G050	PLM36N36	38.75x15.00x1.50 984x381x38
Hoffman	Genesis	M520816032	G520816G050	PLM52G52	52.56x17.03x1.50 1335x433x38
Hoffman	Genesis	M520826015	G520826G050	PLM52G52	52.56x17.03x1.50 1335x433x38
Hoffman	Genesis	M520846G002	G520846G050	PLM52G52	52.56x17.03x1.50 1335x433x38
Hoffman	Genesis	M521046G002	G521246G050	PLM52G52	52.56x17.03x1.50 1335x433x38
Hoffman	Genesis	M521216017	G521216G050	PLM52G52	52.56x17.03x1.50 1335x433x38
Hoffman	Genesis	M521226034	G521226G050	PLM52G52	52.56x17.03x1.50 1335x433x38
Hoffman	T-Series	T290416G100	G280416G050	PLT29G28	28.50x17.00x1.50 724x432x38
Hoffman	T-Series	T290416G150	G280416G150	PLT29G28	28.50x17.00x1.50 724x432x38
Hoffman	T-Series	T290426G100	G280426G050	PLT29G28	28.50x17.00x1.50 724x432x38
Hoffman	T-Series	T290426G150	G280426G150	PLT29G28	28.50x17.00x1.50 724x432x38
Hoffman	T-Series	T290446G400	G280446G050	PLT29G28	28.50x17.00x1.50 724x432x38
Hoffman	HC52	HC52 SERIES	G57XXXXXXXXX	PLHC52G57	57.60x22.97x1.50 1463x583x38
Hoffman	HC52	HC52 SERIES	T53XXXXXXXXX	PLHC52T53	52.85x23.00x1.50 1342x584x38

*Prior to ordering, ensure Adaptor Plenum dimensions do not exceed available space on the enclosure mounting surface. Please contact Customer Service for support in finding an appropriate cross for older models not shown above.

For a list of EASY SWAP Adaptor Plenums to fit other manufacturers' air conditioners, please visit www.hoffmanonline.com