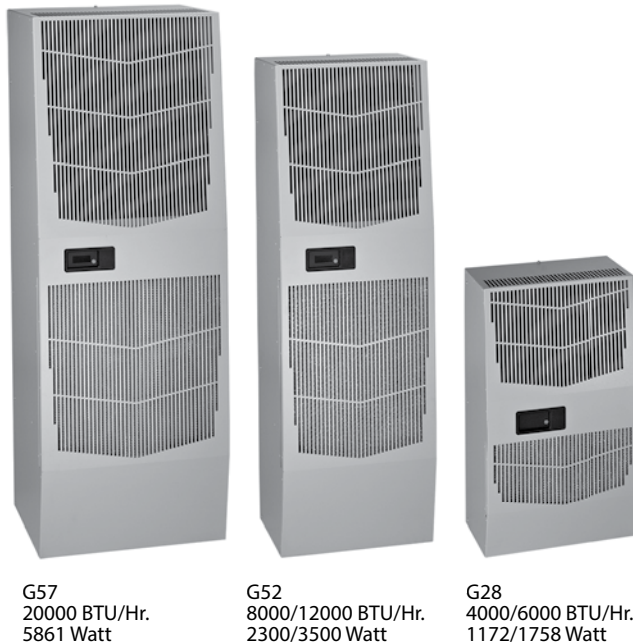
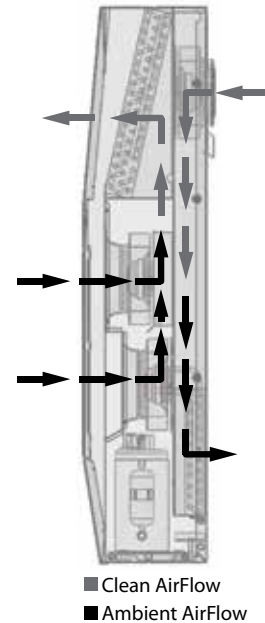


**SPECTRACOOL™ INDOOR/OUTDOOR**


**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

**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](http://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 / m <sup>3</sup> /hr.)	285/484	285/484	285/484	287/487	287/487	287/487
External loop 50 Hz (CFM / m <sup>3</sup> /hr.)	650/1104	650/1104	650/1104	635/1078	635/1078	635/1078
Internal loop 60 Hz (CFM / m <sup>3</sup> /hr.)	310/527	310/527	310/527	305/518	305/518	305/518
External loop 60 Hz (CFM / m <sup>3</sup> /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					

Power Input Description	Terminal Block
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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

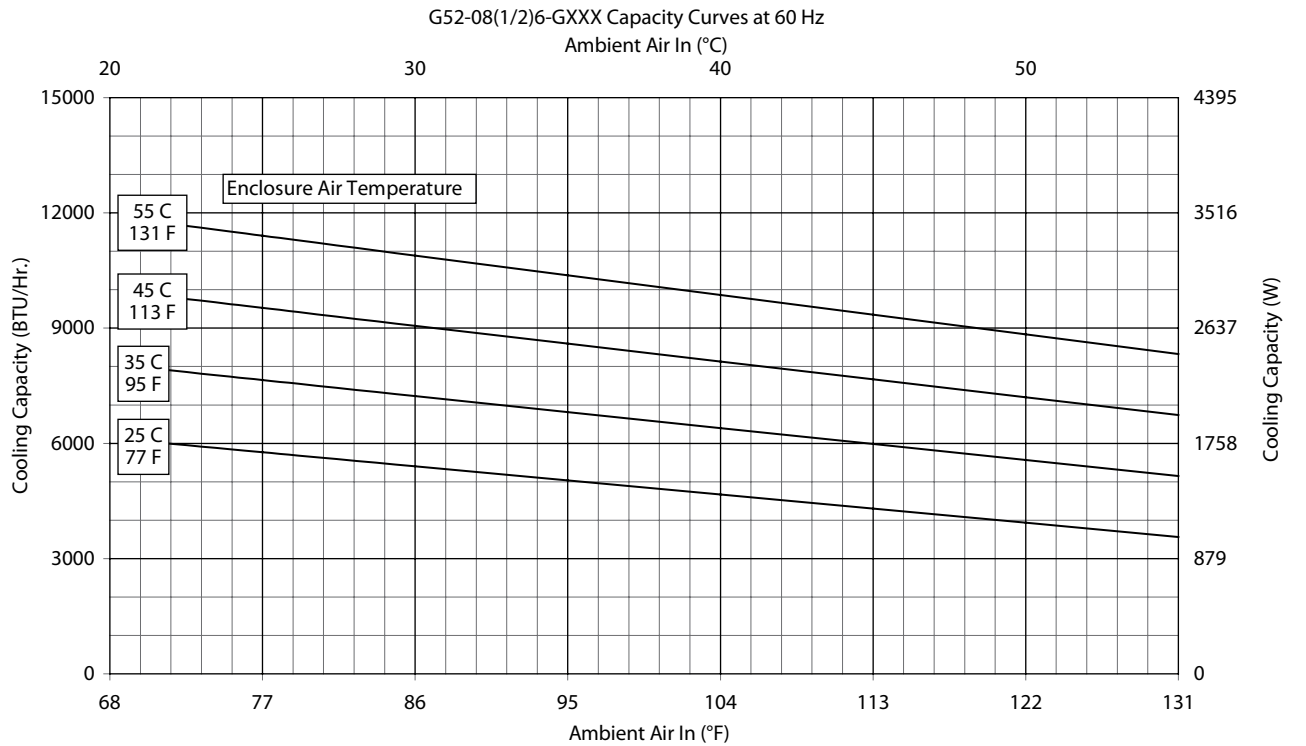
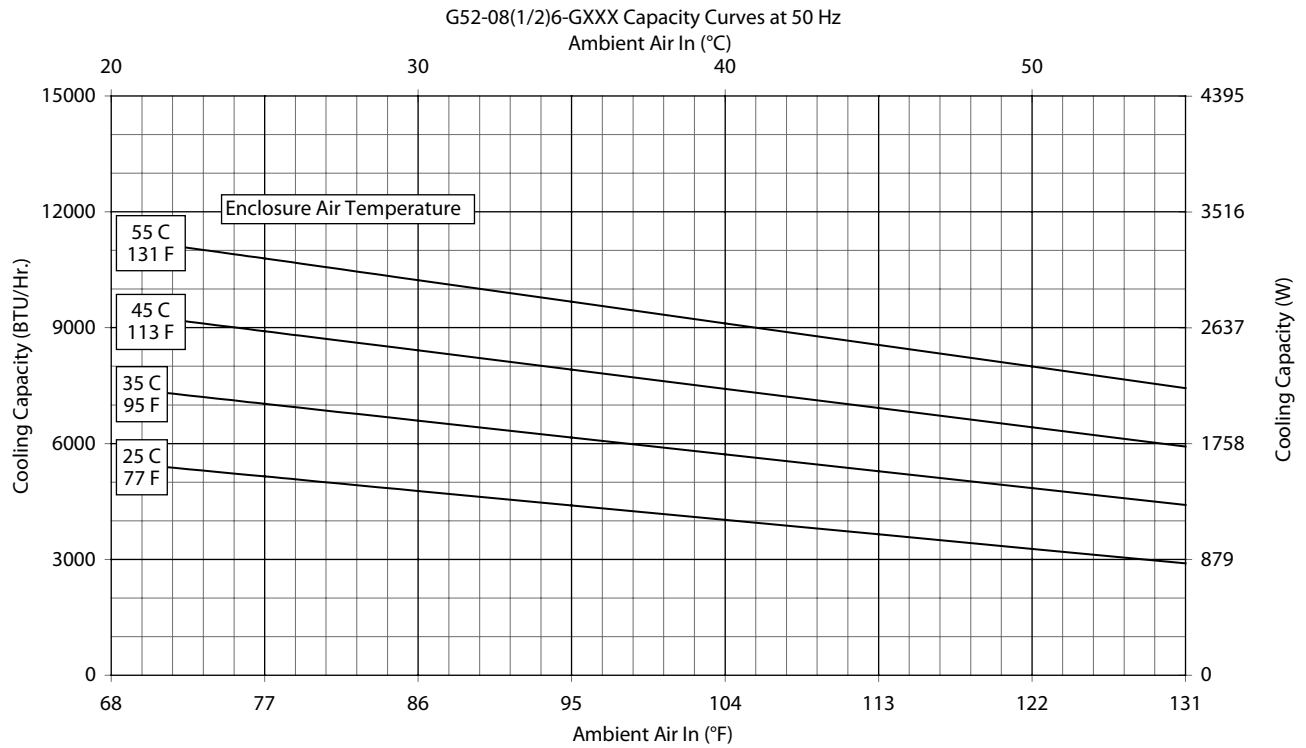
ACCESSORIES	
Cleanable Re-usable Filter	Aluminum mesh Part #101000103
EASYSWAP Adaptor Plenum (GENESIS™ M52)	Enables SPECTRACOOOL to be mounted to a GENESIS M52 air conditioner cutout Catalog Number PLM52G52

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

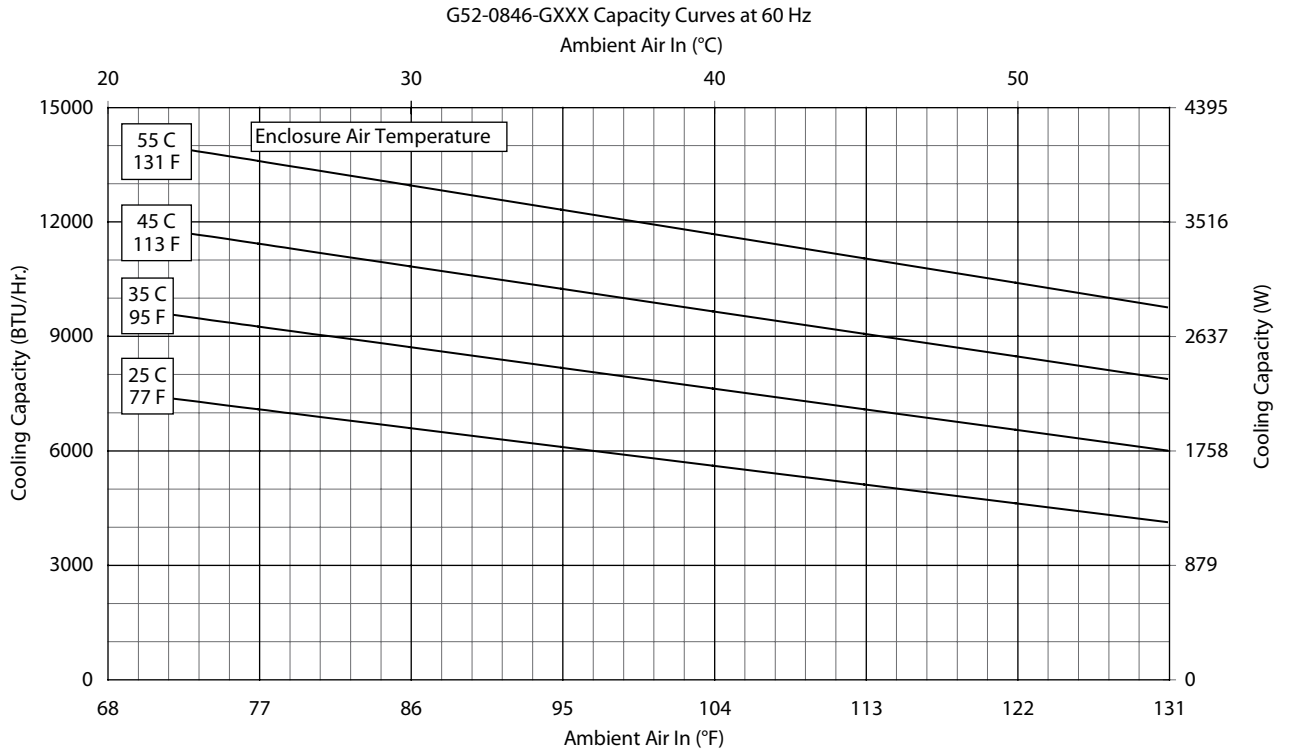
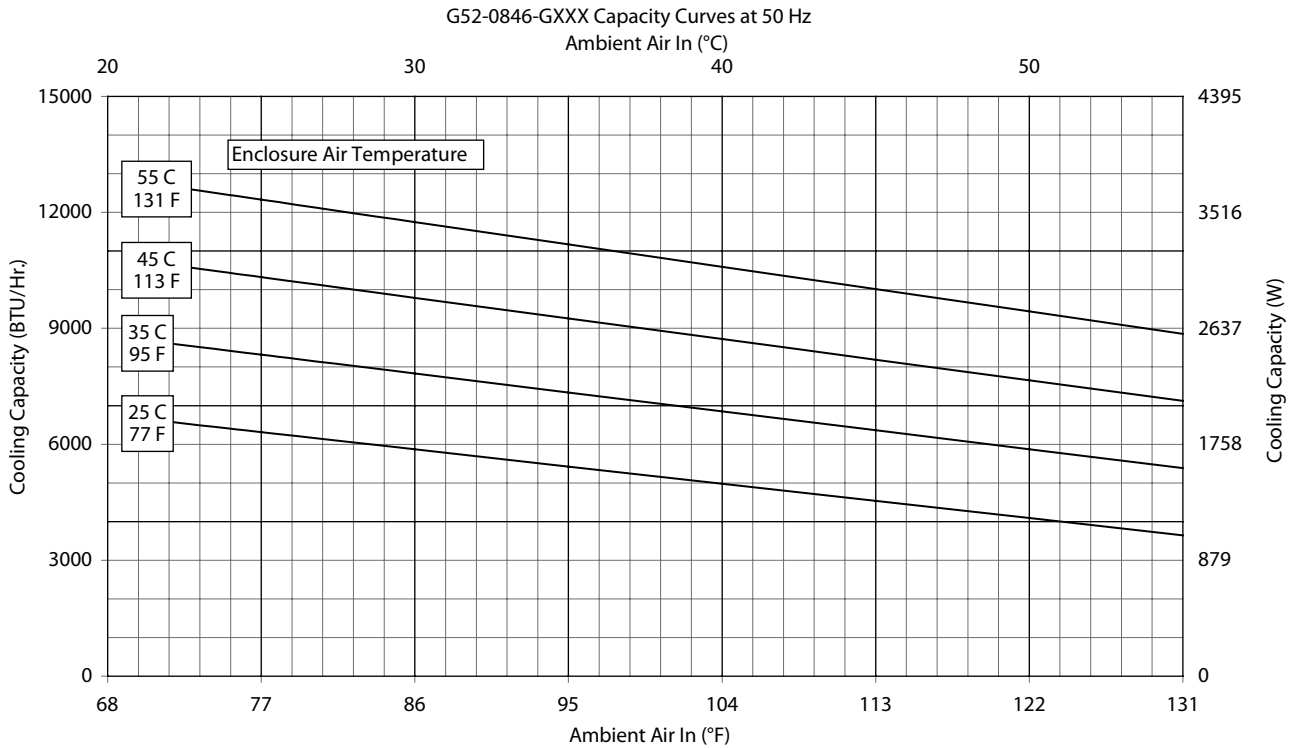
\*Units with Remote Access Control utilize a digital controller and communicate via SNMP over ethernet or modbus RTU over USB.

\*\*Watts based on .65 power factor.

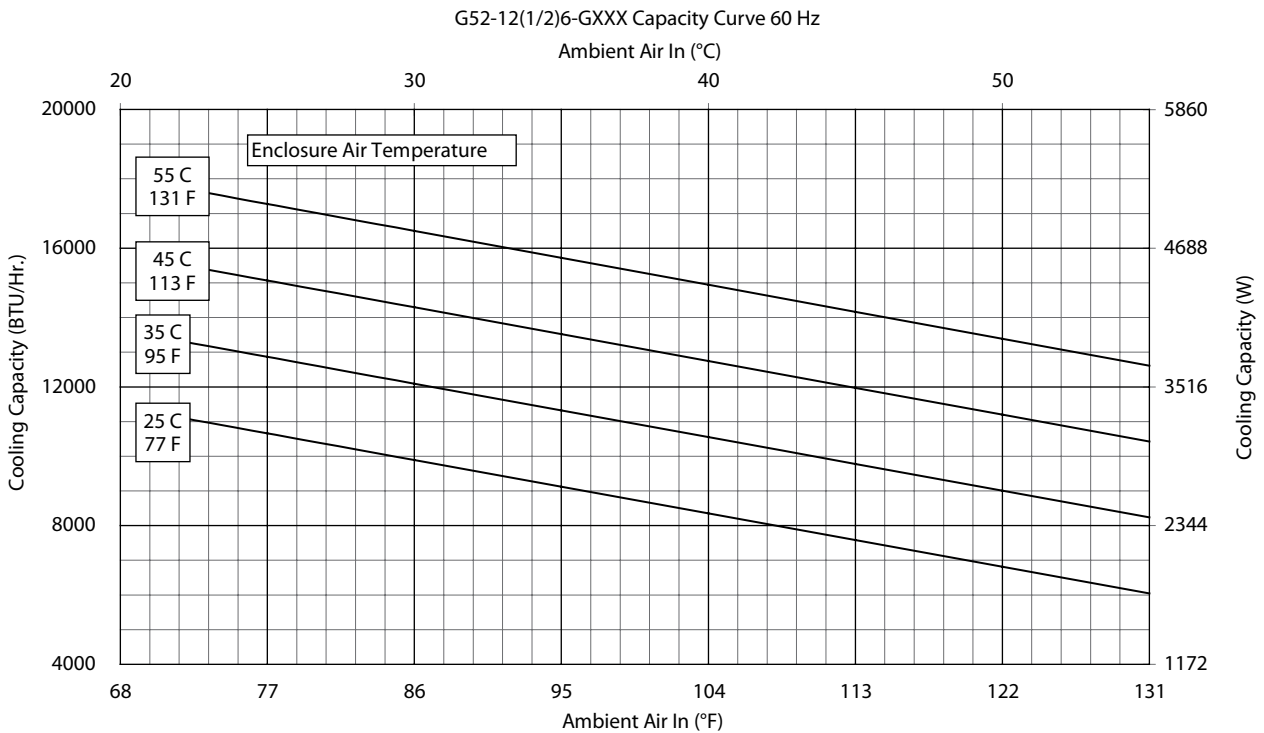
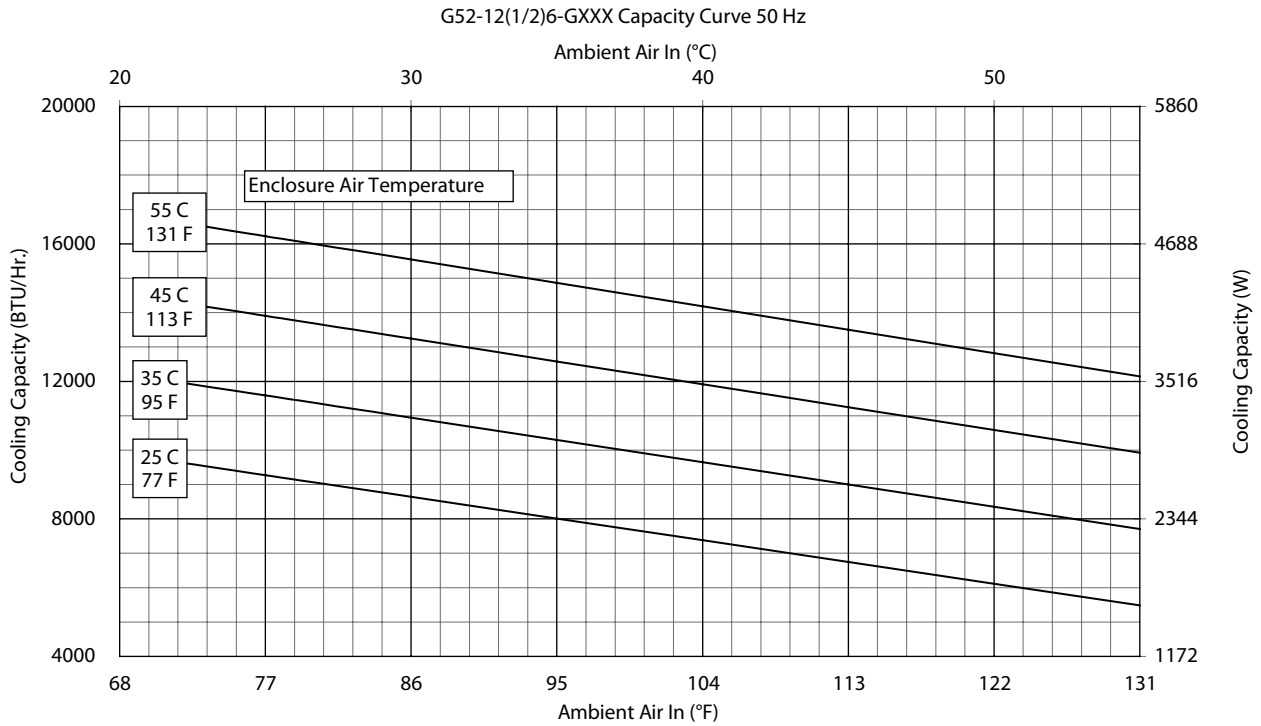
## Performance Curves for G52 Models 8000 BTU/Hr. (23 Watt)



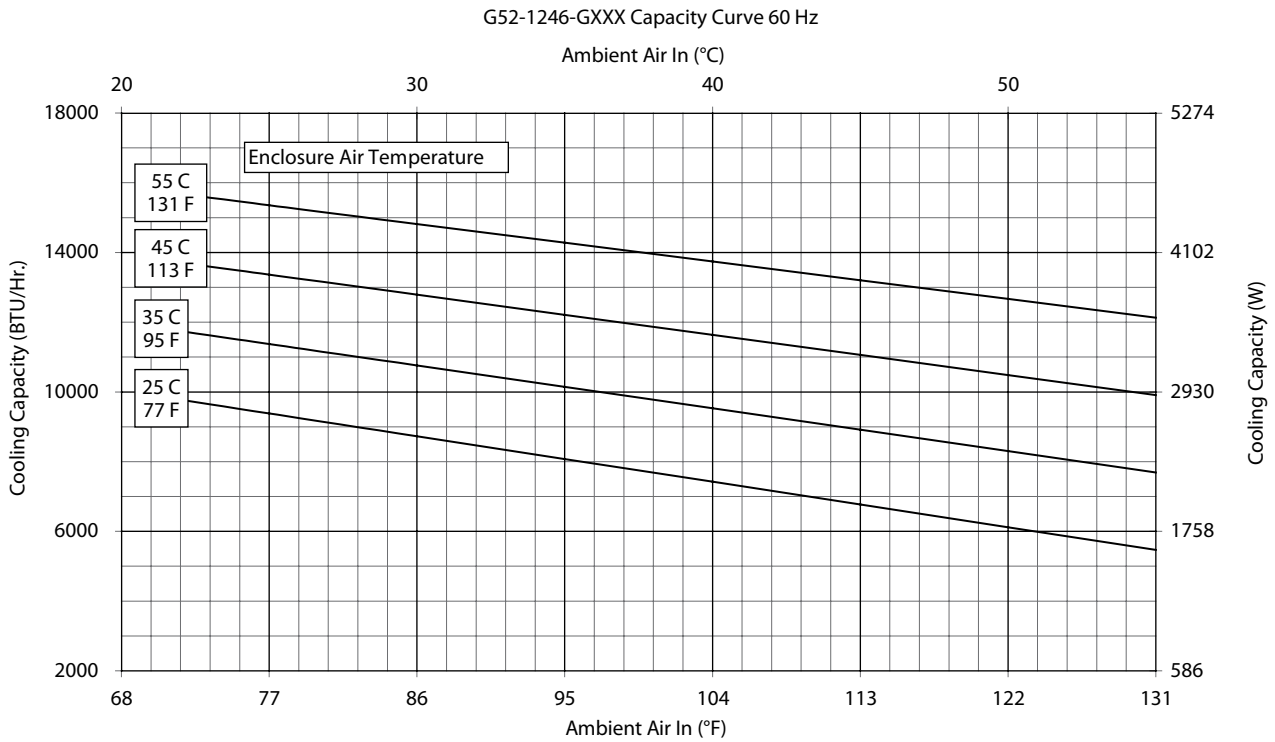
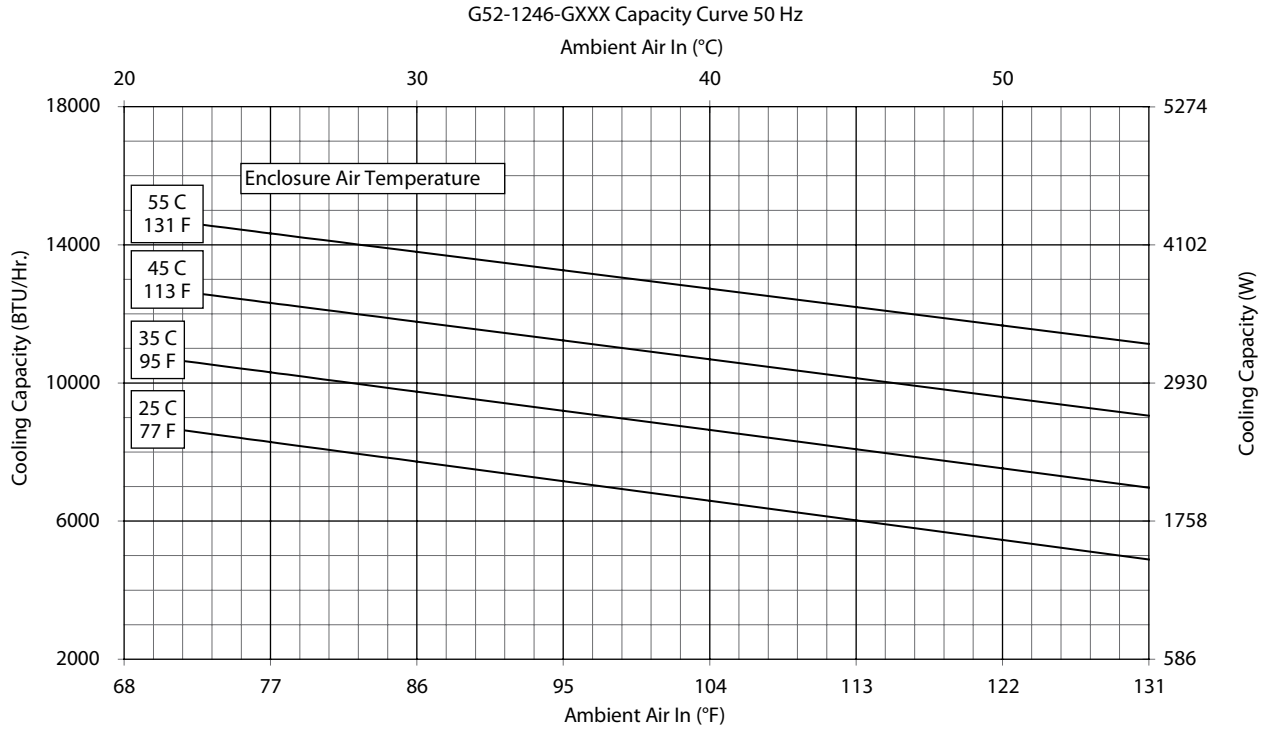
Performance Curves for G52 Models 8000 BTU/Hr. (2300 Watt)

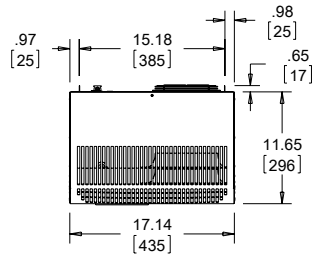


Performance Curves for G52 Models 12000 BTU/Hr. (3500 Watt)

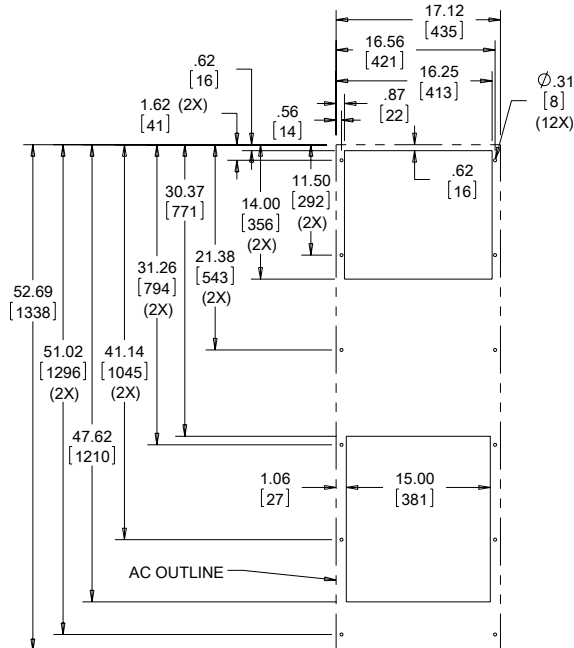
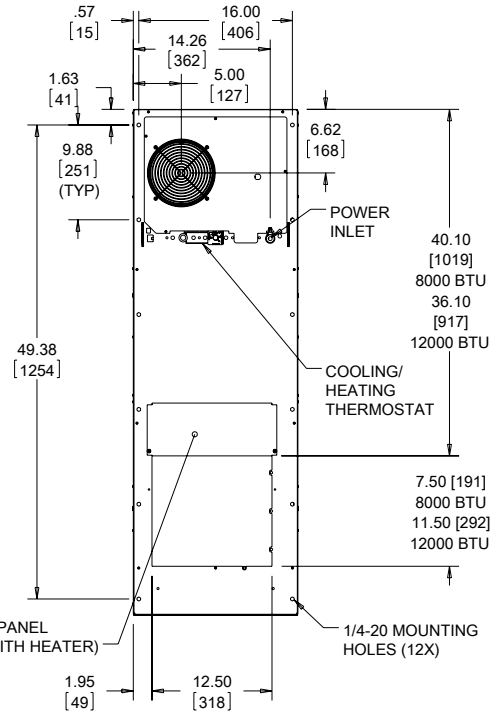
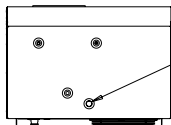
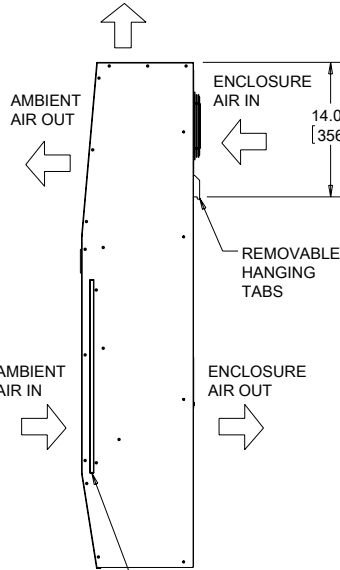
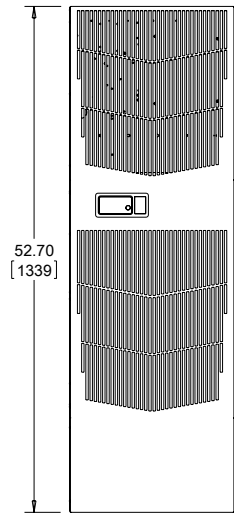


Performance Curves for G52 Models 12000 BTU/Hr. (3516 Watt)

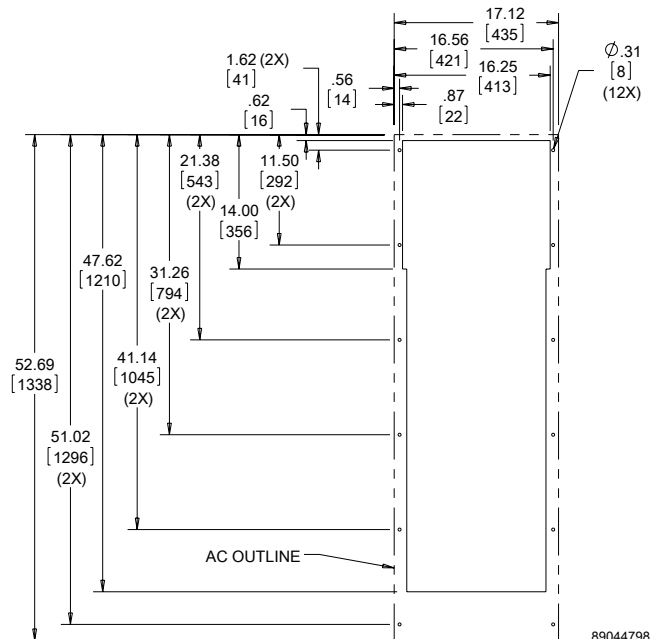


**G52 Models 8000/12000 BTU/Hr. (2300/3500 Watt)**


NOTE:  
 1. MOUNTING GASKET SUPPLIED (NOT SHOWN)  
 2. UNITS: in. [mm]



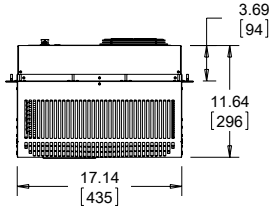
Cutout Dimensions  
(Standard)



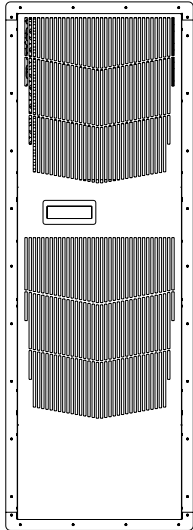
Cutout Dimensions  
(G520846G150, G520846G151,  
 G521246G150, G521246G151 only)

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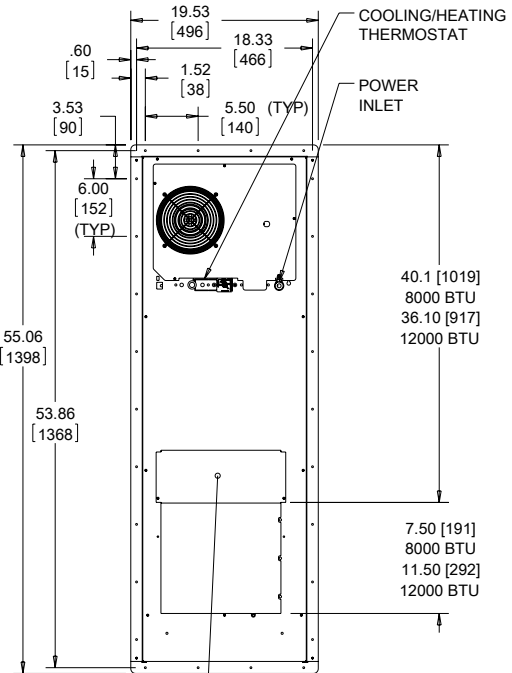
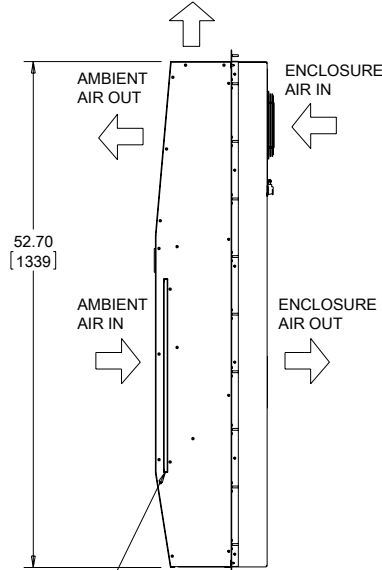
G52 Models 8000/12000 BTU/Hr. (2344/3516 Watt) with Partial Recess



NOTE:  
 1. MOUNTING GASKET SUPPLIED (NOT SHOWN)  
 2. UNITS: in. [mm]

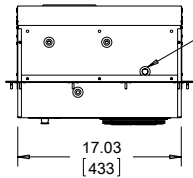


CLEANABLE, REUSABLE ALUMINUM INLET FILTER

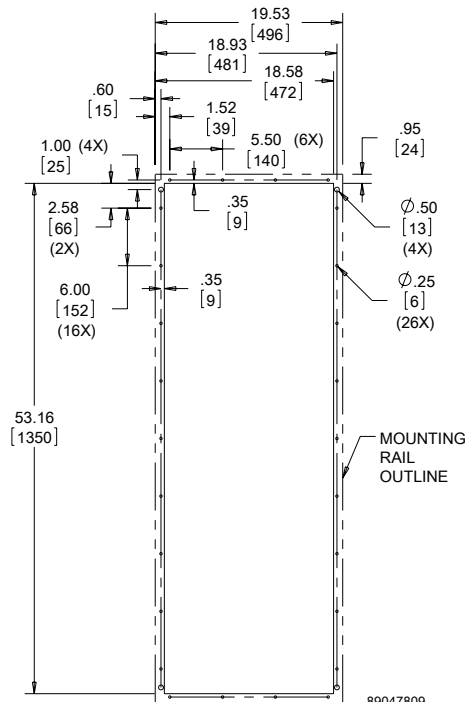


OPTIONAL ACCESS PANEL (ONLY FOR UNITS WITH HEATER)

INCLUDED MOUNTING GASKET KIT TO BE ADHERED TO THIS SIDE OF MOUNTING RAILS BEFORE INSTALLING AIR CONDITIONER TO CABINET



ACCESS HOLE TO .38 [9.5] OUTSIDE DIAMETER DRAIN STUB



Cutout Dimensions

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