

Thermal Management | Cooling units

G-Series

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*

APPLICATION

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

FEATURES

- Energy-efficient rotary compressor
- R134a refrigerants
- 400/460 VAC 3-phase power input
- UL Listed to save customers time and money with agency approvals
- Attractive industrial design with minimal use of visible fasteners
- Reliable mechanical thermostat on enclosure side of the unit
- Will provide two separate thermostats for cooling and heating when a heater is equipped
- Dual condenser-side air movers for performance redundancy
- Galvanized (stainless steel is optional) cover for rugged factory and outdoor environments
- Easy-mount flanges for simple installation
- Dust-resistant condenser coil allows the unit to be run filterless in most indoor applications
- Cleanable, reusable aluminum mesh filter included to protect coils for maximum cooling performance in dirty environments
- 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
 - Indoor air conditioner models include digital display on ambient side
- Optional Outdoor Air Conditioner models also include:
 - Telcordia GR-487 capable
 - Corrosion-resistant coatings on condenser coil for Type 4 units and on condenser coil and ambient-side copper joints for 4X units
 - Malfunction switch
 - Compressor heater
 - Head pressure control
 - Standard heater is 2000 W
 - Outdoor model operating temperature range from -40 F/-40 C to 131 F/55 C

FINISH

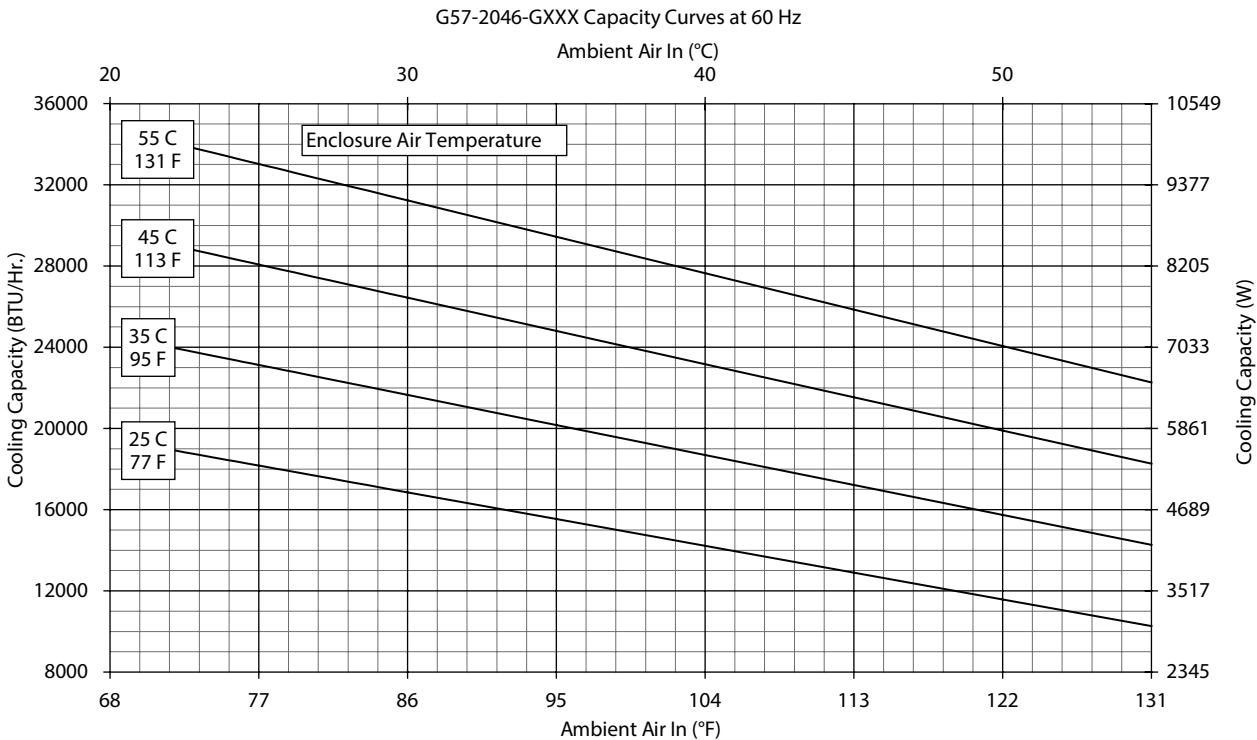
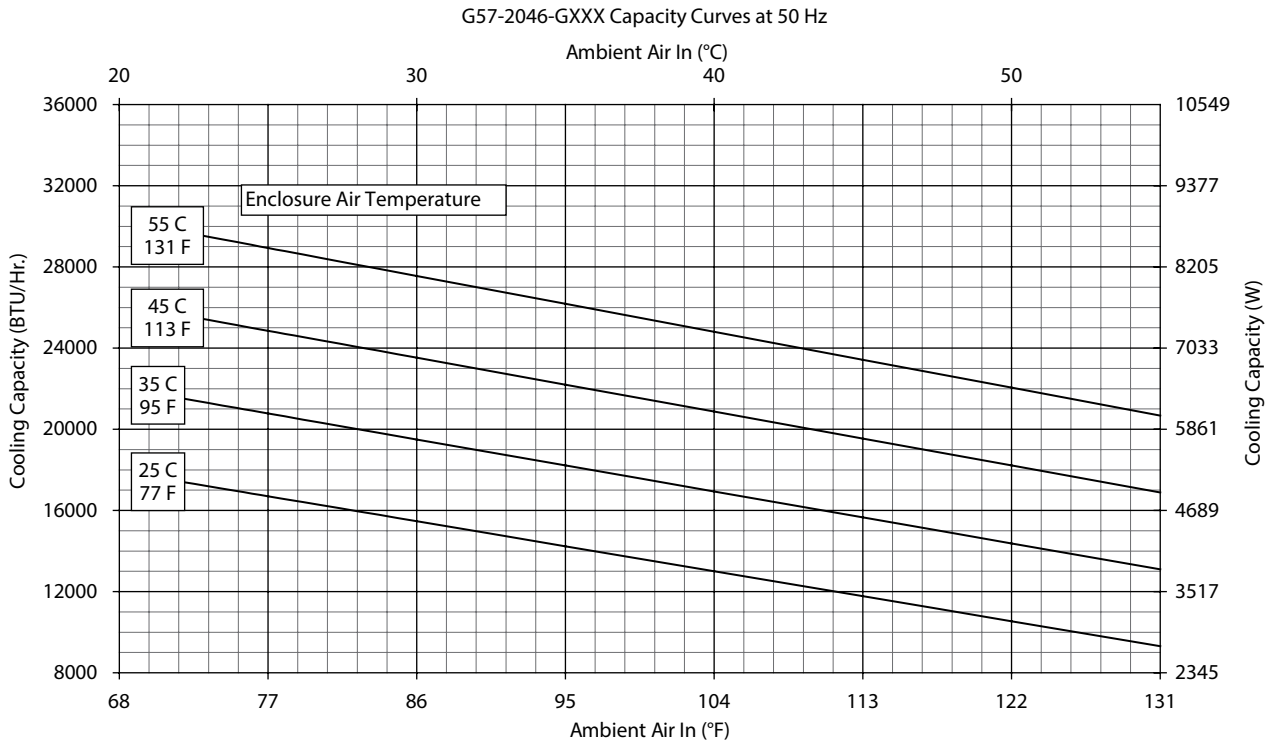
- RAL 7035 light-gray
- Stainless Steel 304 is optional
- Other colors and textures available



Performance Data **G57 Models 20000 BTU/Hr. (5861 Watt)**

CATALOG NUMBER	
Indoor Model	G572046G050
COOLING PERFORMANCE	
Nominal:	
BTU/Hr.	20000
Watts	5861
At 131 F/131 F (55 C/55 C):	
BTU/Hr. (50/60 Hz)	21400/23400
W (50/60 Hz)	6272/6857
At 95 F/95 F (35 C/35 C):	
BTU/Hr. (50/60 Hz)	19300/21400
W (50/60 Hz)	5656/6272
Refrigerant	R134a
Refrigerant Charge (ounces/grams)	48/1361
Operating Temperature Range:	
Maximum (°F/°C)	131/55
Indoor Minimum (°F/°C)	50/10
Outdoor Minimum (°F/°C)	-40/-40
Airflow at 0 Static Pressure:	
Internal loop 50 Hz (CFM / m ³ /hr.)	513/872
External loop 50 Hz (CFM / m ³ /hr.)	919/1562
Internal loop 60 Hz (CFM / m ³ /hr.)	587/998
External loop 60 Hz (CFM / m ³ /hr.)	1055/1794
Max. Heater W (Outdoor Models)	3000
ELECTRICAL DATA	
Rated Voltage	400/460 3~
Frequency (Hz)	50/60
Operating Range	+/- 10%
Max. Power Consumption (W at 50/60 Hz)	4017/5043
Max. Nominal Current (A at 50/60 Hz)	6.0/6.8
Starting Current (A)	27
Agency Approvals	UL/cUL Listed CE EAC Others available upon request
Power Input Description	Terminal Block
ENCLOSURE PROTECTION	
UL Type	Type 12, 3R, 4 standard Type 4X stainless steel models
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	74.1 dB(A)
UNIT CONSTRUCTION	
Material	Galvanized sheet metal Stainless steel is optional
Finish	Powder coat RAL 7035 light gray Type 304 stainless steel
UNIT DIMENSIONS	
Height (in./mm)	57.69/1465.4
Width (in./mm)	20.87/530.1
Depth (in./mm)	15.28/388.1
Weight (lb./kg)	197/89

Performance Curves for G57 Models 20000 BTU/Hr. (5861 Watt)



Technical drawings of the enclosure showing front and side views with dimensions and airflow indicators.

Front View Dimensions:

- Width: 20.89 [531]
- Height: 57.70 [1465]

Side View Dimensions and Features:

- Height: 14.01 [356]
- Labels: ENCLOSURE AIR IN, REMOVABLE HANGING TABS, WARM AIR OUT, AMBIENT AIR IN, COOL AIR OUT, OPTIONAL AIR (ONLY FOR U)

