

**SPECTRACOOL NARROW COMPACT INDOOR**



N16 115/230 Volt  
800 BTU/Hr.  
234 Watt



N21 115/230 Volt  
2000 BTU/Hr.  
586 Watt

**INDUSTRY STANDARDS**

UL/cUL Listed; Type 12, 3R, 4, 4X optional; File No. SA6453  
UR/cUR Recognized on select models for N16 and N21

CE  
IP 54 Internal Loop  
IP 34 External Loop  
EAC  
Telcordia GR-487 capable (Outdoor)  
Reference performance data tables for agency approvals applied to each model.

**APPLICATION**

- Industrial automation
- Package handling equipment
- Security and defense systems

**FEATURES**

- Narrow design accommodates 12-in. deep cabinets
- R134a earth-friendly refrigerants
- Models for 115, 230 and 400/460 VAC 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 is located behind the cover of the unit; Air Conditioner models include digital display on ambient side
- Galvanized sheet-metal cover for rugged factory and outdoor environments
- Easy-mount flanges for simple installation
- Cutout adapter options for enclosures with GENESIS 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
  - Power-off relay for door switch and other system requirements
  - Malfunction switch

**SPECIFICATIONS**

- Nominal cooling capacity:
  - N16 800 BTU/Hr. (234 W)
  - N21 2000 BTU/Hr. (586 W)
- Operating temperature range from 50 F/10 C to 125 F/52 C

**FINISH**

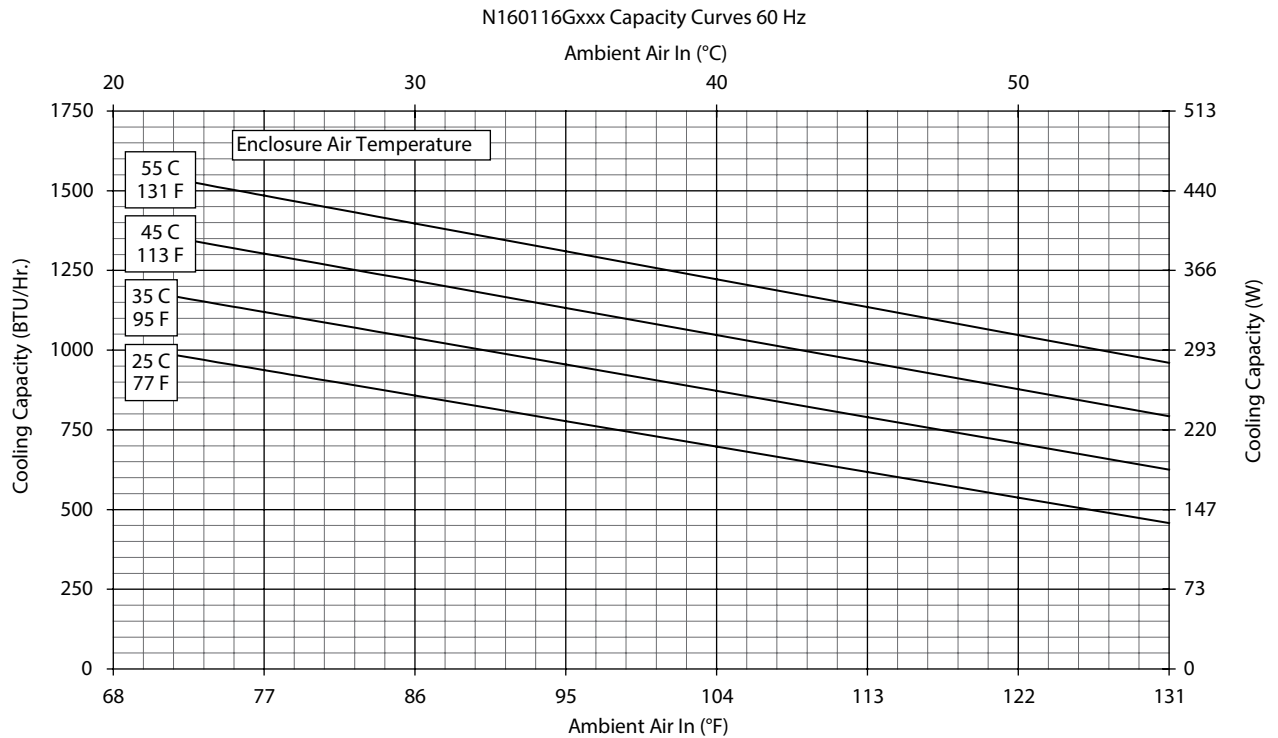
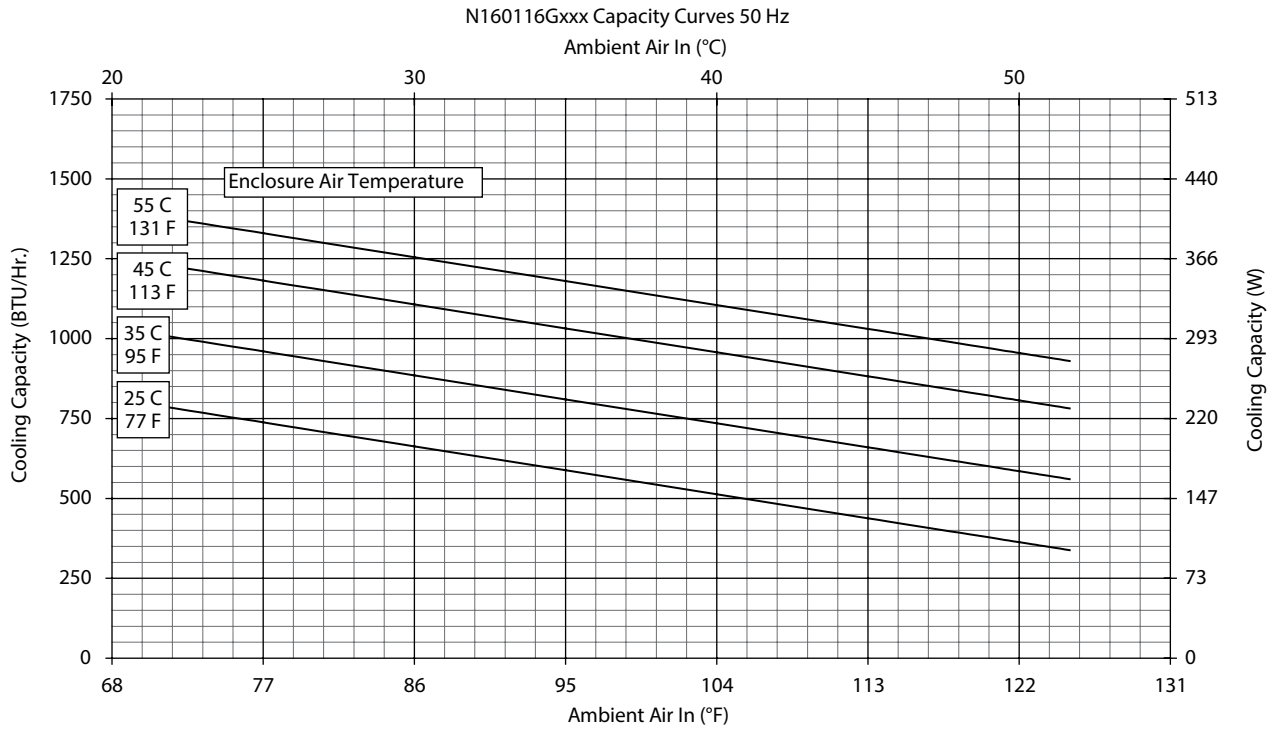
- RAL 7035 light-gray, semi-textured powder-coat paint
- Other colors and textures available

Performance Data **N16 800 BTU/Hr. (234 Watt) Models**

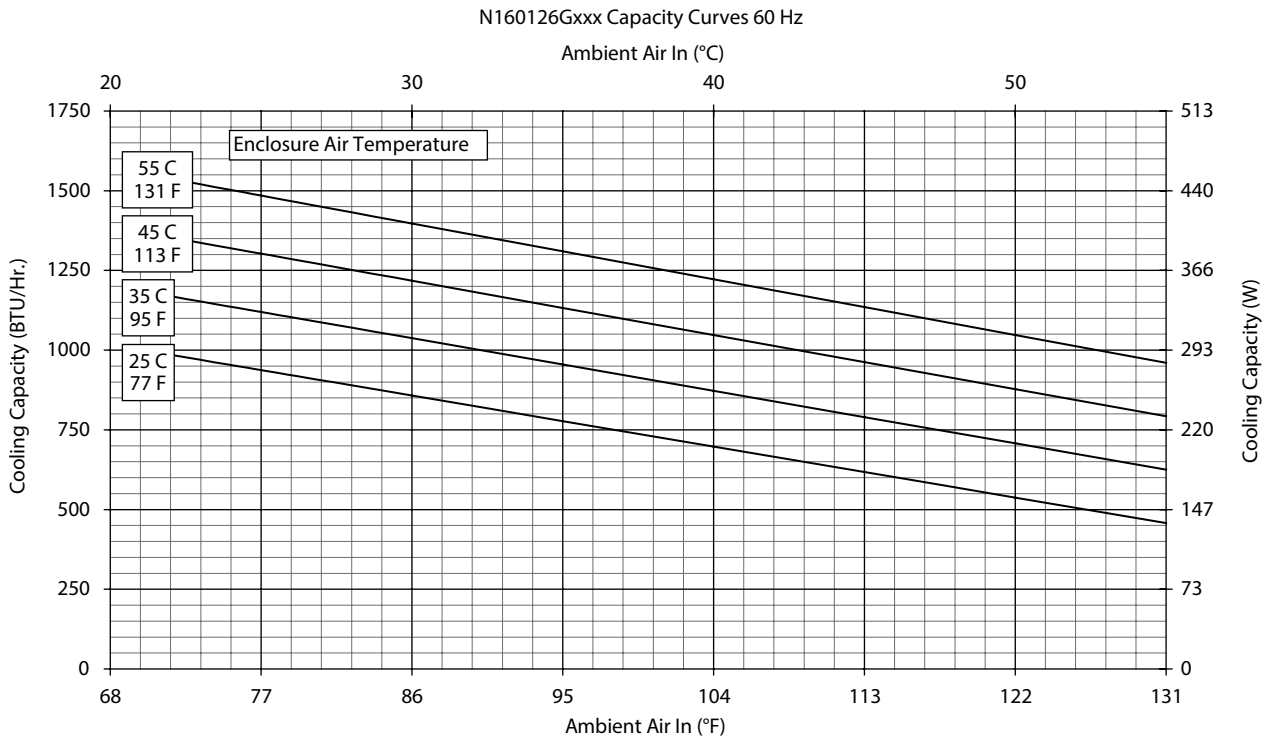
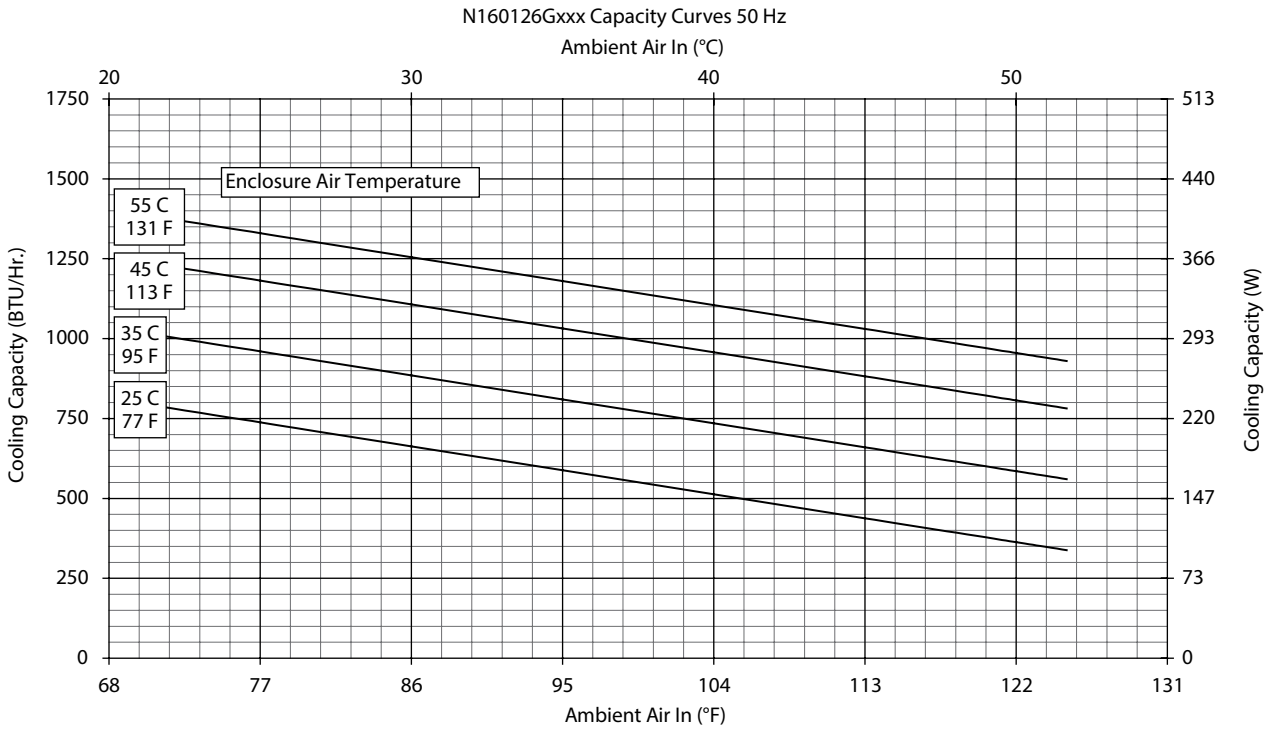
| CATALOG NUMBER                                  |   |                |
|---|---|----------------|
| Indoor Model                                    | N160116G050   | N160126G050    |
| Indoor Model Stainless Steel Type 4X            | N160116G051   | N160126G051    |
| Indoor Model with Remote Access Control*        | N160116G060   | N160126G060    |
| COOLING PERFORMANCE                             |   |                |
| <b>Nominal:</b>                                 |   |                |
| BTU/Hr.   | 800/800   | 800/900        |
| Watts   | 235/235   | 235/264        |
| <b>At 131 F/131 F (55 C/55 C):</b>              |   |                |
| BTU/Hr. (50/60 Hz)                              | 819   | 920/960        |
| W (50/60 Hz)                                    | 240   | 270/281        |
| <b>At 95 F/95 F (35 C/35 C):</b>                |   |                |
| BTU/Hr. (50 /60 Hz)                             | 948   | 810/955        |
| W (50/60 Hz)                                    | 278   | 237/280        |
| Refrigerant                                     | R134A   | R134A          |
| Refrigerant Charge (ounces/grams)               | 4/113   | 3.8/107        |
| <b>Operating Temperature Range:</b>             |   |                |
| Maximum (°F/°C)                                 | 131/55  | 125/131/52/55  |
| Minimum (°F/°C)                                 | -40/-40   | -40/-40        |
| <b>Airflow at 0 Static Pressure:</b>            |   |                |
| Internal loop 50 Hz (CFM / m <sup>3</sup> /hr.) | 25/42   | 25/42          |
| External loop 50 Hz (CFM / m <sup>3</sup> /hr.) | 48/82   | 48/82          |
| Internal loop 60 Hz (CFM / m <sup>3</sup> /hr.) | 30/51   | 30/51          |
| External loop 60 Hz (CFM / m <sup>3</sup> /hr.) | 53/90   | 53/90          |
| Max. Heater W (Outdoor Models)                  | 150   | 150            |
| ELECTRICAL DATA                                 |   |                |
| Rated Voltage                                   | 100/115   | 220/230        |
| Frequency (Hz)                                  | 50/60   | 50/60          |
| Operating Range                                 | +/- 10%   | +/- 10%        |
| Max. Power Consumption (W at 50/60 Hz)          | 360/403   | 330/345        |
| Max. Nominal Current (A at 50/60 Hz)            | 3.6/3.5   | 1.5/1.5        |
| Starting Current (A)                            | 8.0/9.2   | 3.3/3.1        |
| Agency Approvals                                | cUL Listed<br>CE<br>EAC<br>Others available upon request      |                |
| Power Input Description                         | Terminal Block  | Terminal Block |
| ENCLOSURE PROTECTION                            |   |                |
| UL Type   | Type 12, 3R, 4 standard<br>Type 4X Stainless steel optional   |                |
| CONTROLLER                                      |   |                |
| Description                                     | Basic mechanical thermostat                                   |                |
| Thermostat Location                             | Enclosure behind front panel                                  |                |
| Factory Thermostat Setting (°F/°C)              | 80/27   |                |
| SOUND LEVEL                                     |   |                |
| At 1.5 Meters                                   | 63 dB(A)  |                |
| UNIT CONSTRUCTION                               |   |                |
| Material  | Galvanized sheet metal standard<br>Stainless steel optional   |                |
| Finish  | RAL 7035 light-gray, semi-textured powder-coat paint standard |                |
| UNIT DIMENSIONS                                 |   |                |
| Height (in./mm)                                 | 16.51/419   |                |
| Width (in./mm)                                  | 7.52/191  |                |
| Depth (in./mm)                                  | 6.30/160  |                |
| Weight (lb./kg)                                 | 27/12   |                |

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

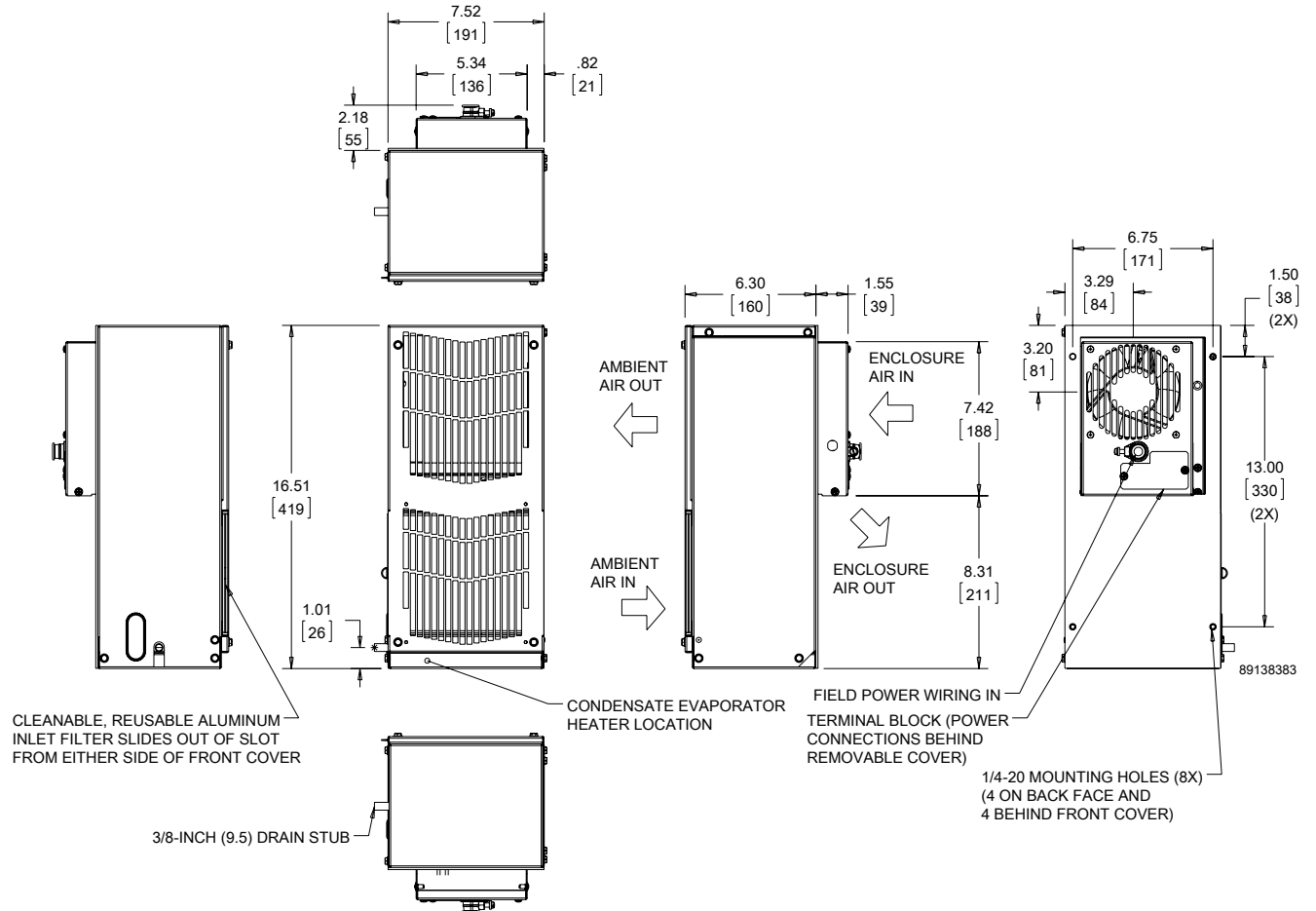
## Performance Curves for N16 Models 800 BTU/Hr. (234 Watt)



Performance Curves for N16 Models 800 BTU/Hr. (234 Watt)



N16 800 BTU/Hr. (234 Watt)



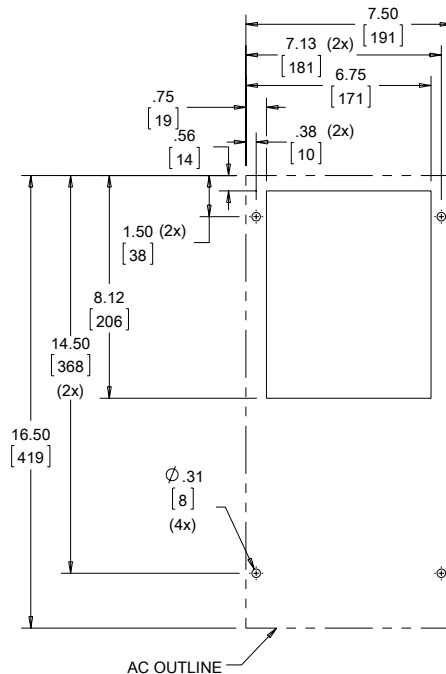
CLEANABLE, REUSABLE ALUMINUM INLET FILTER SLIDES OUT OF SLOT FROM EITHER SIDE OF FRONT COVER

3/8-INCH (9.5) DRAIN STUB

CONDENSATE EVAPORATOR HEATER LOCATION

FIELD POWER WIRING IN TERMINAL BLOCK (POWER CONNECTIONS BEHIND REMOVABLE COVER)

1/4-20 MOUNTING HOLES (8X) (4 ON BACK FACE AND 4 BEHIND FRONT COVER)



Cutout Dimensions (Externally Mounted)

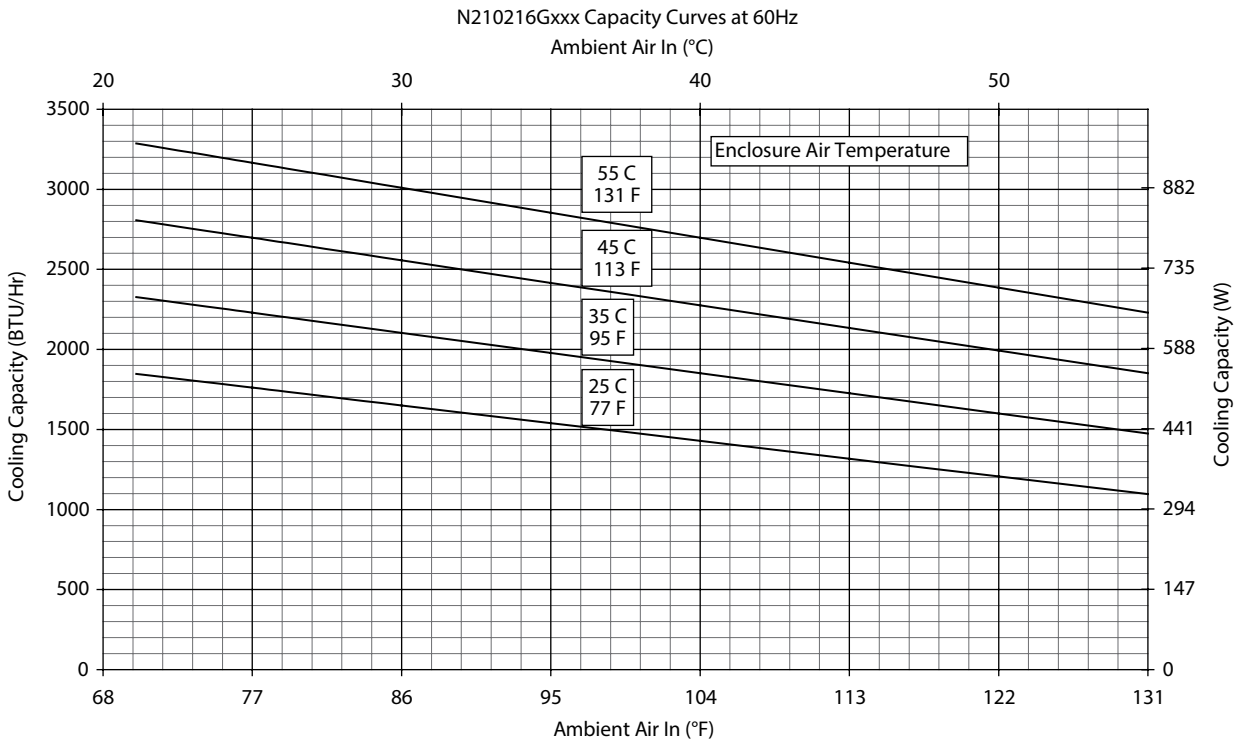
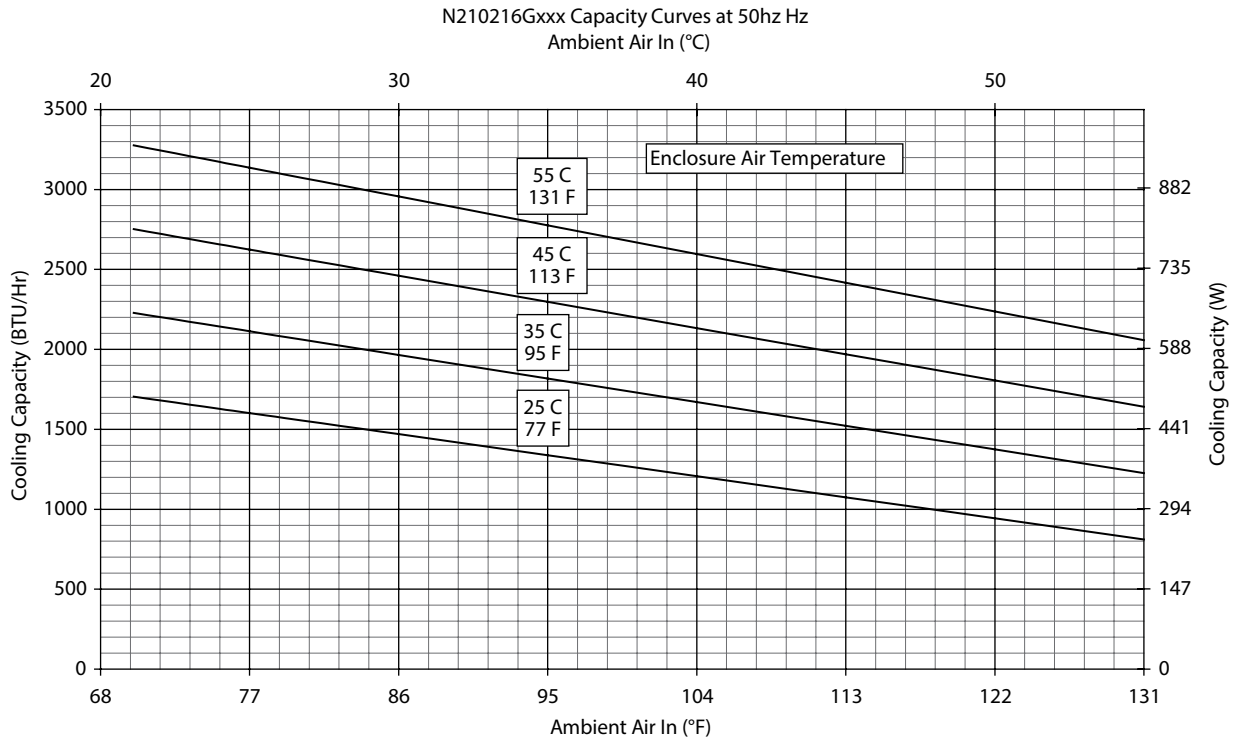
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Performance Data **N21 2000 BTU/Hr. (586 Watt) Models**

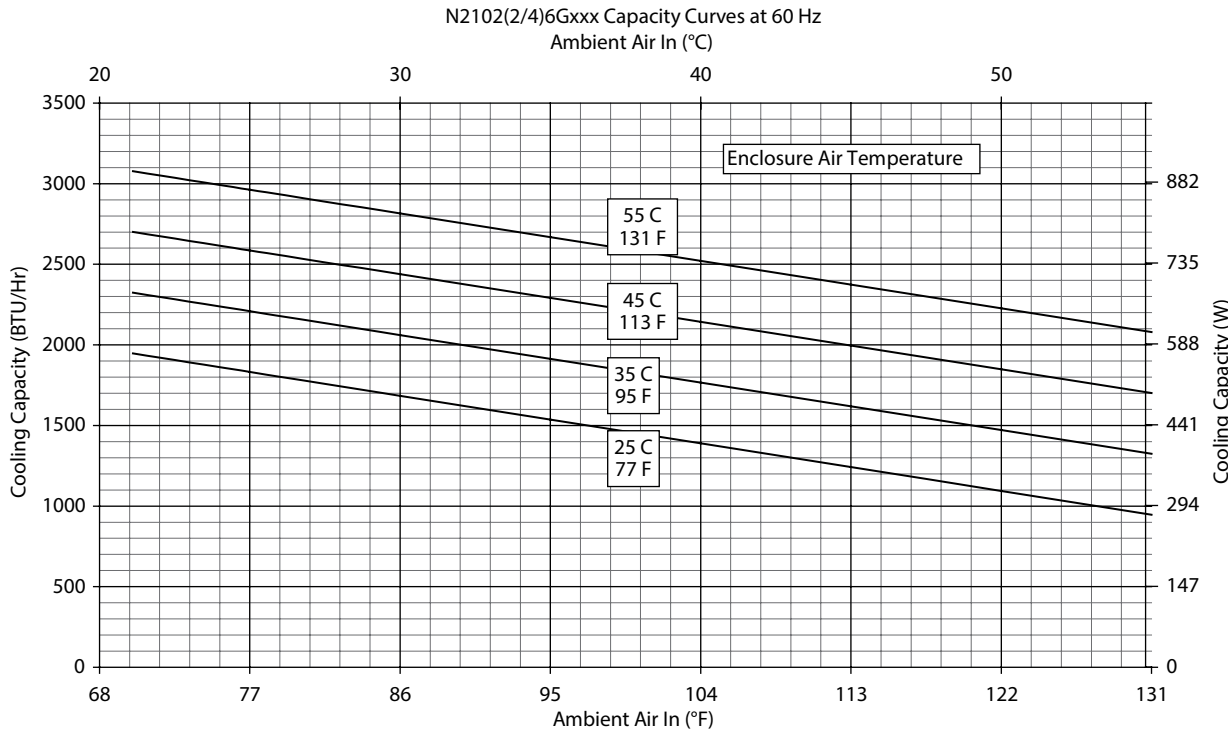
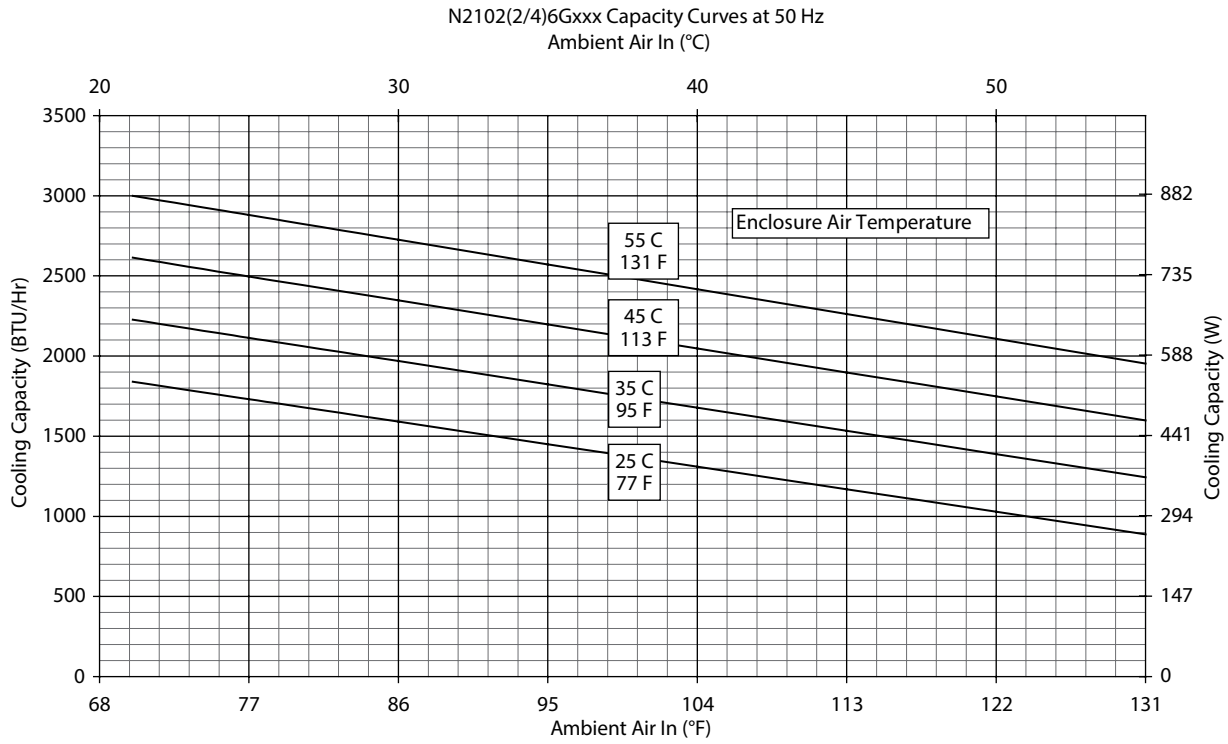
| <b>CATALOG NUMBER</b>                           |   |                |                             |
|---|---|----------------|-----------------------------|
| Indoor Model                                    | N210216G050   | N210226G050    | N210246G050                 |
| Indoor Model Stainless Steel Type 4X            | N210216G051   | N210226G051    | N210246G051                 |
| Indoor Model with Remote Access Control*        | N210216G060   | N210226G060    | N210246G060                 |
| <b>COOLING PERFORMANCE</b>                      |   |                |                             |
| <b>Nominal:</b>                                 |   |                |                             |
| BTU/Hr.   | 1800/2000   | 1800/2000      | 1800/2000                   |
| Watts   | 528/586   | 528/586        | 528/586                     |
| <b>At 131 F/131 F (55 C/55 C):</b>              |   |                |                             |
| BTU/Hr. (50/60 Hz)                              | 2000/2175   | 2000/2175      | 2000/2175                   |
| W (50/60 Hz)                                    | 586/637   | 586/637        | 586/637                     |
| <b>At 95 F/95 F (35 C/35 C):</b>                |   |                |                             |
| BTU/Hr. (50/60 Hz)                              | 1950/2200   | 1950/2200      | 1950/2200                   |
| W (50/60 Hz)                                    | 571/645   | 571/645        | 571/645                     |
| Refrigerant                                     | R134A   | R134A          | R134A                       |
| Refrigerant Charge (ounces/grams)               | 6.5/184   | 6.5/184        | 6.5/184                     |
| <b>Operating Temperature Range:</b>             |   |                |                             |
| Maximum (°F/°C)                                 | 131/55  | 131/55         | 131/55                      |
| Minimum (°F/°C)                                 | -40/-40   | -40/-40        | -40/-40                     |
| <b>Airflow at 0 Static Pressure:</b>            |   |                |                             |
| Internal loop 50 Hz (CFM / m <sup>3</sup> /hr.) | 77/131  | 77/131         | 77/131                      |
| External loop 50 Hz (CFM / m <sup>3</sup> /hr.) | 150/255   | 150/255        | 150/255                     |
| Internal loop 60 Hz (CFM / m <sup>3</sup> /hr.) | 91/155  | 91/155         | 91/155                      |
| External loop 60 Hz (CFM / m <sup>3</sup> /hr.) | 165/280   | 165/280        | 165/280                     |
| Max. Heater W (Outdoor Models)                  | 500   | 500            | 500                         |
| <b>ELECTRICAL DATA</b>                          |   |                |                             |
| Rated Voltage                                   | 115   | 230            | 460V 1PH                    |
| Frequency (Hz)                                  | 50/60   | 50/60          | 50/60                       |
| Operating Range                                 | +/- 10%   | +/- 10%        | +/- 10%                     |
| Max. Power Consumption (W at 50/60 Hz)          | 700/805   | 805            | 874                         |
| Max. Nominal Current (A at 50/60 Hz)            | 7.0/7.0   | 3.5/3.5        | 1.9                         |
| Starting Current (A)                            | 19  | 7.6            | 7.2                         |
| Agency Approvals                                | cUL Listed<br>CE<br>EAC<br>Others available upon request                                |                | cUR Recognized<br>CE<br>EAC |
| Power Input Description                         | Terminal Block  | Terminal Block | Terminal Block              |
| <b>ENCLOSURE PROTECTION</b>                     |   |                |                             |
| UL Type   | Type 12, 3R, 4 standard<br>Type 4X Stainless steel optional                             |                |                             |
| <b>CONTROLLER</b>                               |   |                |                             |
| Description                                     | Basic mechanical thermostat   |                |                             |
| Thermostat Location                             | Enclosure side on all base models   |                |                             |
| Factory Thermostat Setting (°F/°C)              | 80/27   |                |                             |
| <b>SOUND LEVEL</b>                              |   |                |                             |
| At 1.5 Meters                                   | 66 dB(A)  |                |                             |
| <b>UNIT CONSTRUCTION</b>                        |   |                |                             |
| Material  | Galvanized sheet metal standard<br>Stainless steel optional                             |                |                             |
| Finish  | RAL 7035 light-gray, semi-textured powder-coat paint standard<br>Other colors available |                |                             |
| <b>UNIT DIMENSIONS</b>                          |   |                |                             |
| Height (in./mm)                                 | 20.92/531   | 20.92/531      | 25.17/614                   |
| Width (in./mm)                                  | 10.00/254   | 10.00/254      | 10.00/254                   |
| Depth (in./mm)                                  | 9.90/251  | 9.90/251       | 9.90/251                    |
| Weight (lb./kg)                                 | 56/25   | 56/25          | 66/30                       |

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

Performance Curves for N21 Models 2000 BTU/Hr. (586 Watt)

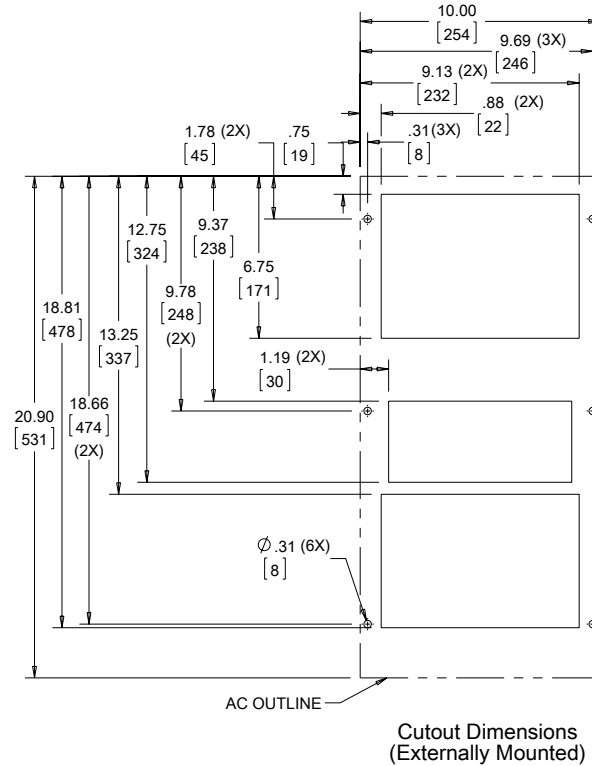
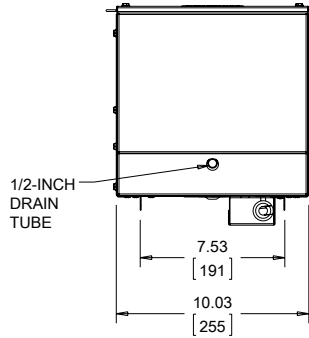
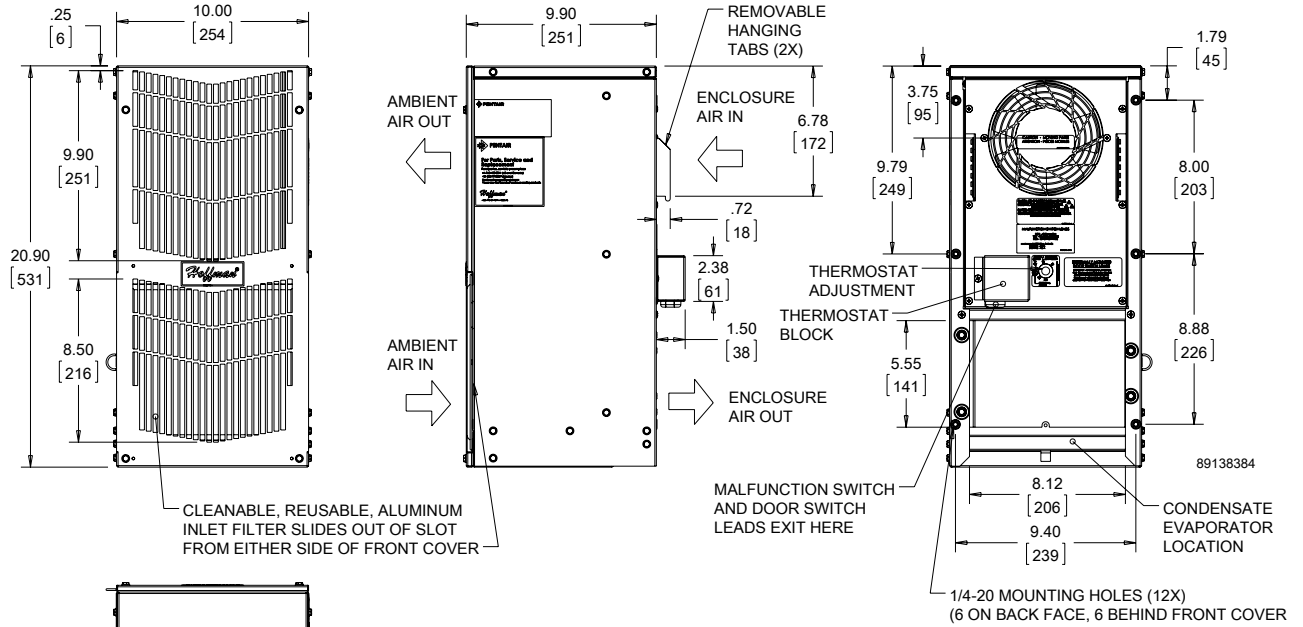


Performance Curves for N21 Models 2000 BTU/Hr. (586 Watt)



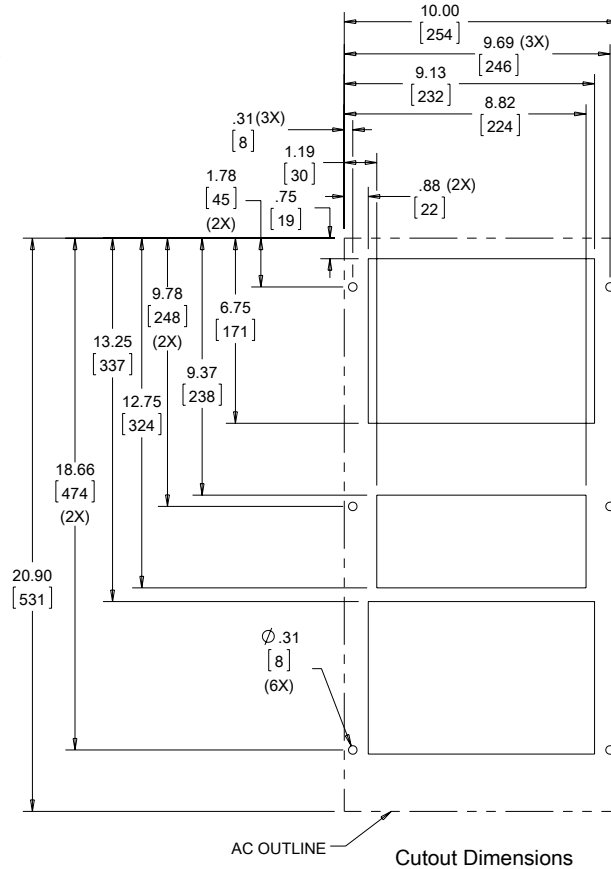
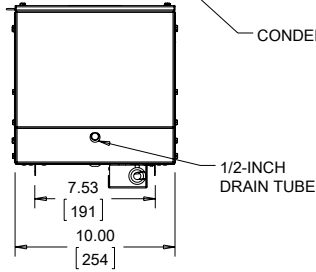
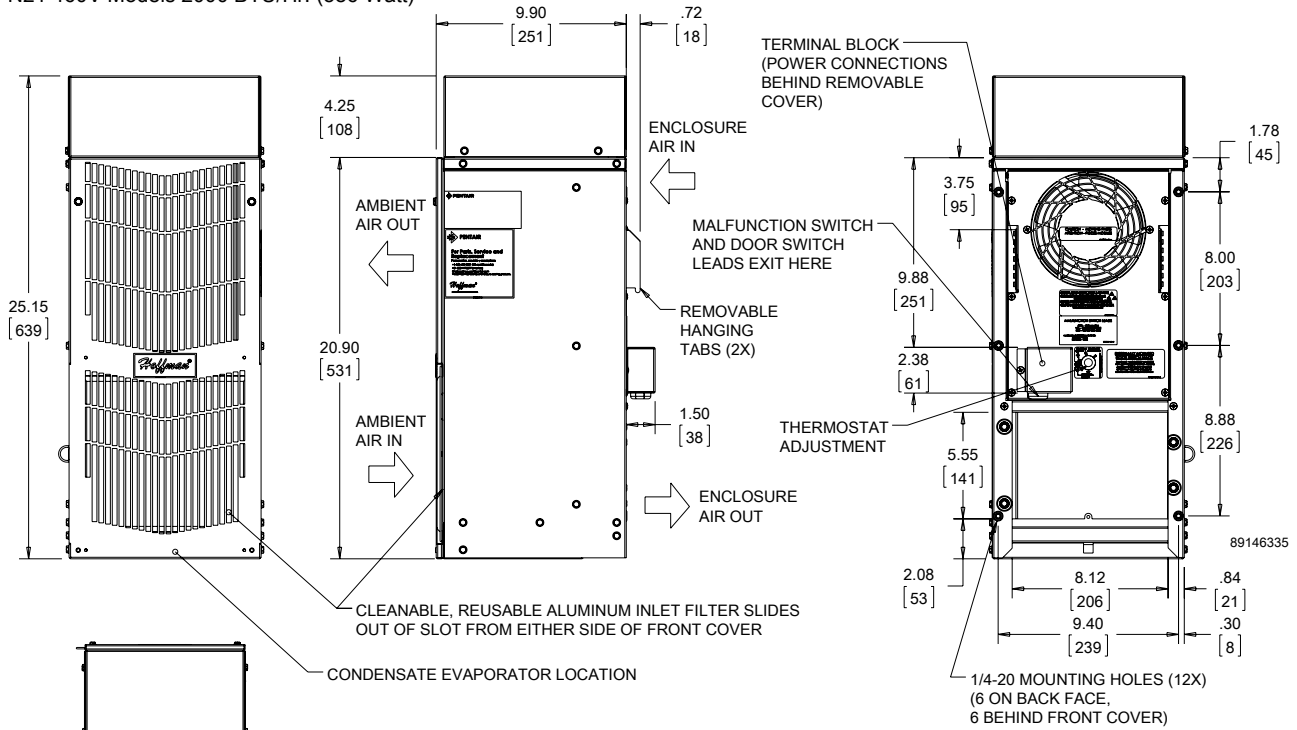


N21 115/230V Models 2000 BTU/Hr. (586 Watt)



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N21 460V Models 2000 BTU/Hr. (586 Watt)



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**SPECTRACOOL NARROW INDOOR/OUTDOOR**


| N43           | N36               | N28          |
|---------------|-------------------|--------------|
| 11000 BTU/Hr. | 6000/8000 BTU/Hr. | 4000 BTU/Hr. |
| 3223 Watt     | 1758/2344 Watt    | 1172 Watt    |

**INDUSTRY STANDARDS**

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

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

**APPLICATION**

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

**FEATURES**

- Narrow design accommodates 12-in. (300-mm) deep cabinets
- Energy efficient reciprocating compressor on N28 models
- Energy efficient rotary compressor on N36 and N43 models
- R407c and R134a earth-friendly refrigerants
- Models for 115, 230 and 400/460 3-phase VAC power input
- 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 (125 F/52 C on N28 Series)
- 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
- Galvanized sheet-metal cover for rugged factory and outdoor environments
- Easy-mount flanges for simple installation
- Cut-out adapter options for enclosures with GENESIS 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
  - 1300 W enclosure heater

**SPECIFICATIONS**

- Nominal cooling capacity:
  - N28 4000 BTU/Hr. (1172 W)
  - N36 6000 & 8000 BTU/Hr. (1758 and 2344 W)
  - N43 11000 BTU/Hr. (3223 W)
- Outdoor model operating temperature range from -40 F/-40 C to 131 F/55 C (125 F/52 C on N28 Series)

**FINISH**

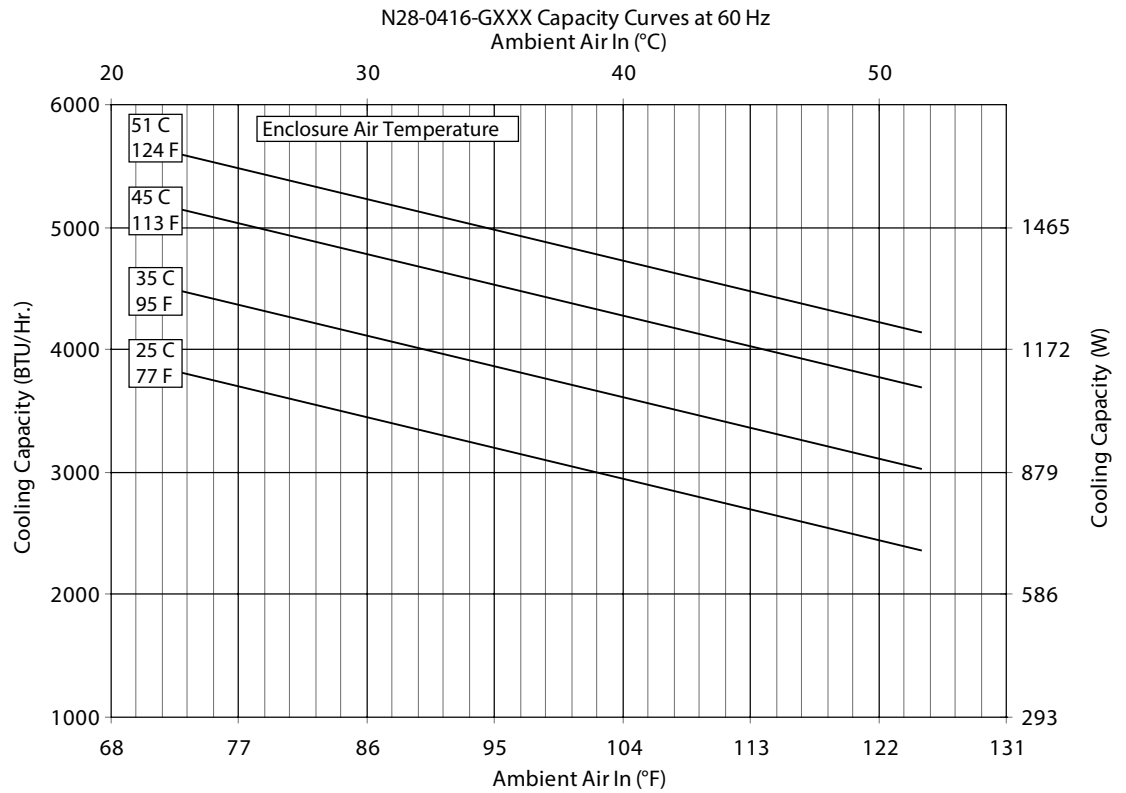
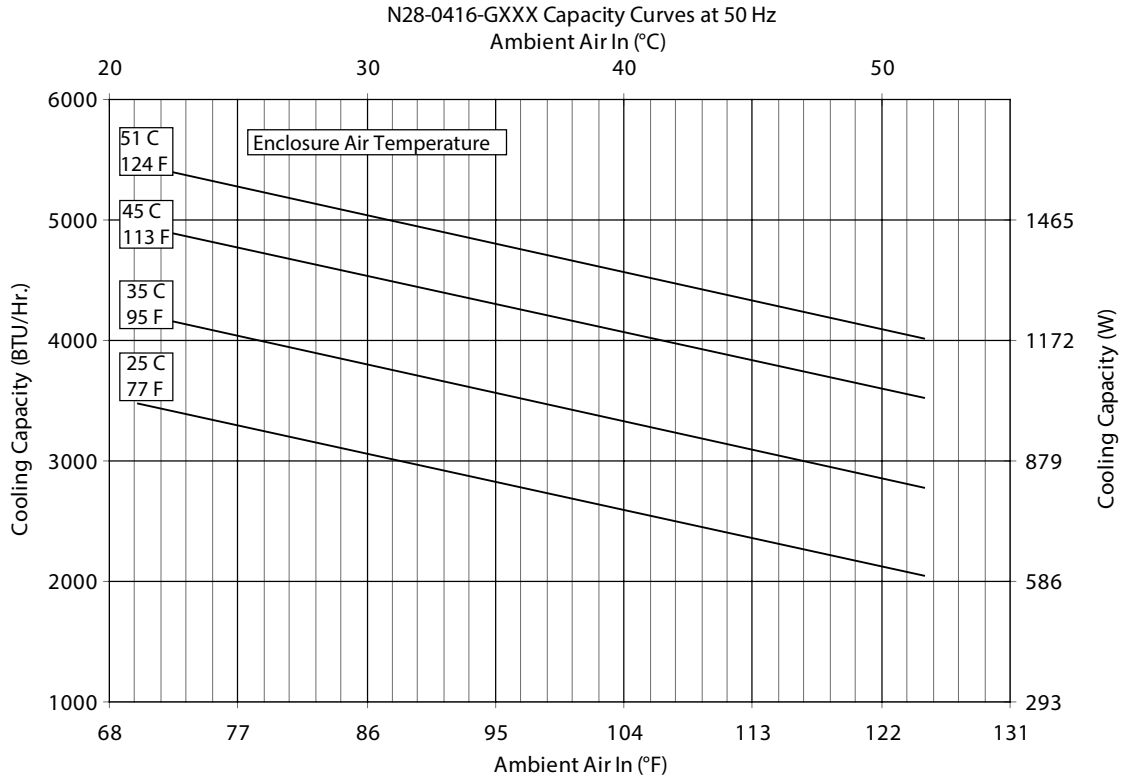
- RAL 7035 light-gray, semi-textured powder-coat paint
- Other colors and textures available

Performance Data **N28 4000 BTU/Hr. (1172 Watt)**

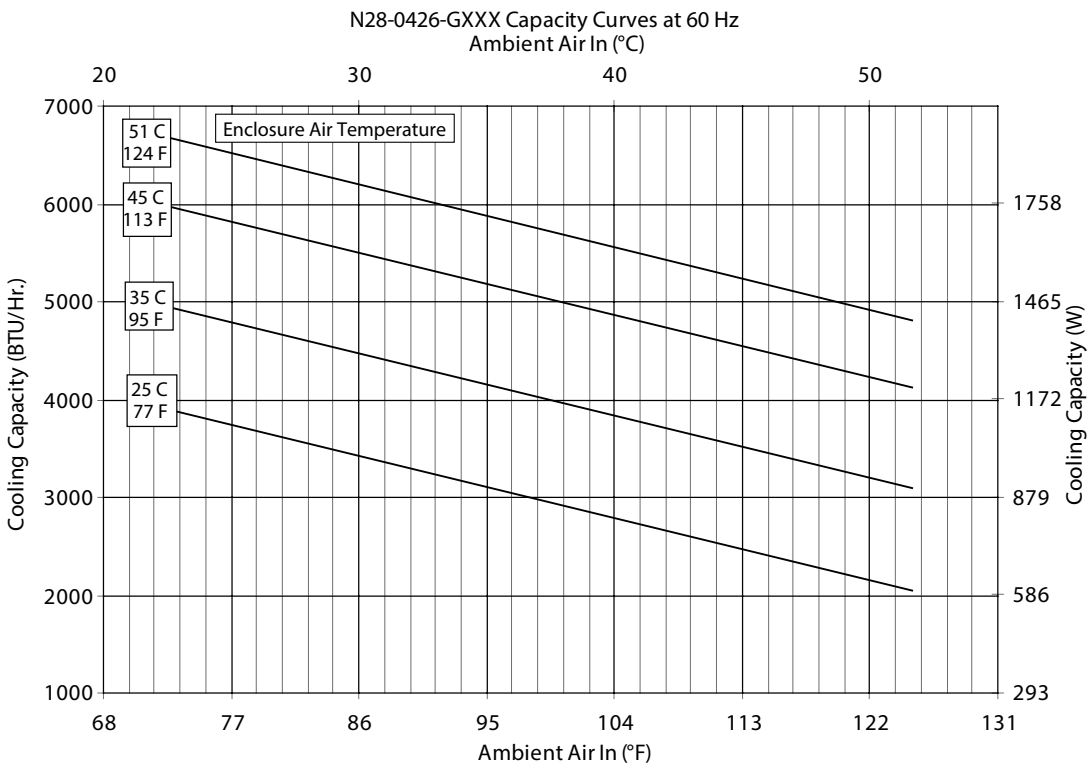
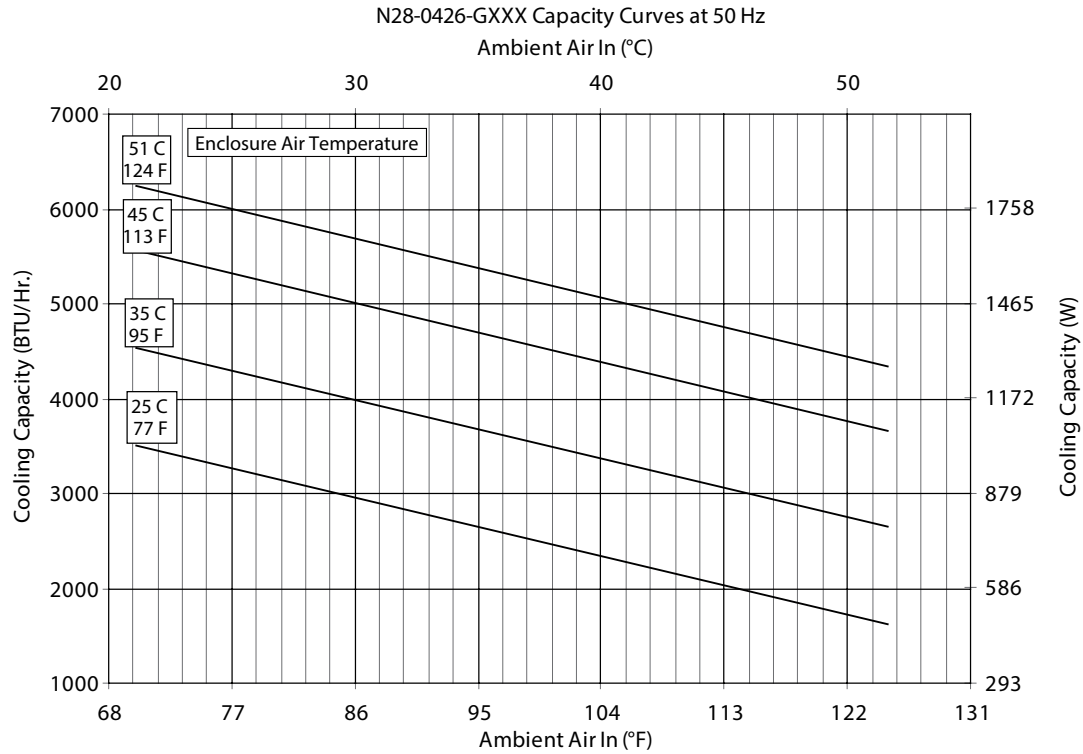
| <b>CATALOG NUMBER</b>                                |             |   |             |
|--|-------------|---|-------------|
| Indoor Model   | N280416G050 | N280426G050   | N280446G050 |
| Indoor Model Stainless Steel Type 4X                 | N280416G051 | N280426G051   | N280446G051 |
| Indoor Model with Remote Access Control*             | N280416G060 | N280426G060   | N280446G060 |
| Outdoor Model without Heat Pkg.                      | N280416G100 | N280426G100   | N280446G100 |
| Outdoor Model with Heat Pkg.                         | N280416G150 | N280426G150   | -           |
| Outdoor Model with Heat Pkg. Stainless Steel Type 4X | N280416G151 | N280426G151   | -           |
| <b>COOLING PERFORMANCE</b>                           |             |   |             |
| <b>Nominal:</b>                                      |             |   |             |
| BTUs/Hr.   | 3800 / 4000 | 3800 / 4000   | 3800 / 4000 |
| Watts  | 1114 / 1172 | 1114 / 1172   | 1114 / 1172 |
| <b>At 125 F / 125 F (50 C / 50 C):</b>               |             |   |             |
| BTU/Hr. (50 / 60 Hz)                                 | 3940 / 4104 | 4269 / 4703   | 4269 / 4703 |
| Watts (50 / 60 Hz)                                   | 1150 / 1000 | 1250 / 1378   | 1250 / 1378 |
| <b>At 95 F / 95 F (35 C / 35 C):</b>                 |             |   |             |
| BTU/Hr. (50 / 60 Hz)                                 | 3754 / 4011 | 3700 / 4291   | 3700 / 4291 |
| Watts (50 / 60 Hz)                                   | 1100 / 1175 | 1086 / 1257   | 1086 / 1257 |
| Refrigerant  | R134a       | R134a   | R134a       |
| Refrigerant Charge (ounces/grams)                    | 10 / 283    | 11 / 312  | 11 / 312    |
| <b>Operating Temperature Range:</b>                  |             |   |             |
| Maximum (°F / °C)                                    | 125 / 52    | 125 / 52  | 125 / 52    |
| Minimum (°F / °C)                                    | -40 / -40   | -40 / -40   | -40 / -40   |
| <b>Air Flow at 0 Static Pressure:</b>                |             |   |             |
| Internal loop 50 Hz (CFM / M <sup>3</sup> /Hr)       | 138 / 234   | 138 / 234   | 138 / 234   |
| External loop 50 Hz (CFM / M <sup>3</sup> /Hr)       | 268 / 455   | 268 / 455   | 268 / 455   |
| Internal loop 60 Hz (CFM / M <sup>3</sup> /Hr)       | 143 / 243   | 143 / 243   | 143 / 243   |
| External loop 60 Hz (CFM / M <sup>3</sup> /Hr)       | 288 / 489   | 288 / 489   | 288 / 489   |
| Max. Heater W (Outdoor Models)                       | 1300        | 1300  | N/A         |
| <b>ELECTRICAL DATA</b>                               |             |   |             |
| Rated Voltage  | 110 / 115   | 230   | 460V 1PH    |
| Frequency (Hz)                                       | 50 / 60     | 50 / 60   | 50 / 60     |
| Operating Range                                      | +/-10%      | +/-10%  | +/-10%      |
| Max. Power Consumption (Watts at 50 / 60 Hz)         | 971 / 1116  | 975 / 1104  | 1104        |
| Max. Nominal Current (Amps at 50 / 60 Hz)            | 10.1/11.2   | 4.9 / 5.0   | 2.5         |
| Starting Current (Amps)                              | 40          | 24.5  | 12.5        |
| Agency Approvals                                     |             | cUL Listed<br>CE<br>Others available upon request   |             |
| Power Input Description                              |             | Terminal Block  |             |
| <b>ENCLOSURE PROTECTION</b>                          |             |   |             |
| UL Type  |             | Type 12, 3R, 4 Standard<br>Type 4X Stainless Steel Optional   |             |
| <b>CONTROLLER</b>                                    |             |   |             |
| Description  |             | Basic Mechanical Thermostat   |             |
| Thermostat Location                                  |             | Enclosure Side  |             |
| Factory Thermostat Setting (°F / °C)                 |             | 80 / 27   |             |
| <b>SOUND LEVEL</b>                                   |             |   |             |
| At 1.5 Meters  | 64.4 dBA    | 65.5 dBA  | 65.5 dBA    |
| <b>UNIT CONSTRUCTION</b>                             |             |   |             |
| Material   |             | Galvanized sheet metal standard<br>Stainless steel optional   |             |
| Finish   |             | RAL 7035 light-gray, semi-textured powder-coat paint standard<br>Other colors available               |             |
| <b>ACCESSORIES</b>                                   |             |   |             |
| EASYSWAP Adaptor Plenum (GENESIS M33)                |             | Enables SPECTRACOOOL to be mounted to a GENESIS M33<br>air conditioner cutout Catalog Number PLM33N28 |             |
| <b>UNIT DIMENSIONS</b>                               |             |   |             |
| Height (in / mm)                                     |             | 28 / 711.2  |             |
| Width (in / mm)                                      |             | 11.50 / 292.1   |             |
| Depth (in / mm)                                      |             | 14.00 / 355.6   |             |
| Weight (lb / kg)                                     | 84 / 38     | 84 / 38   | 92 / 41.7   |

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

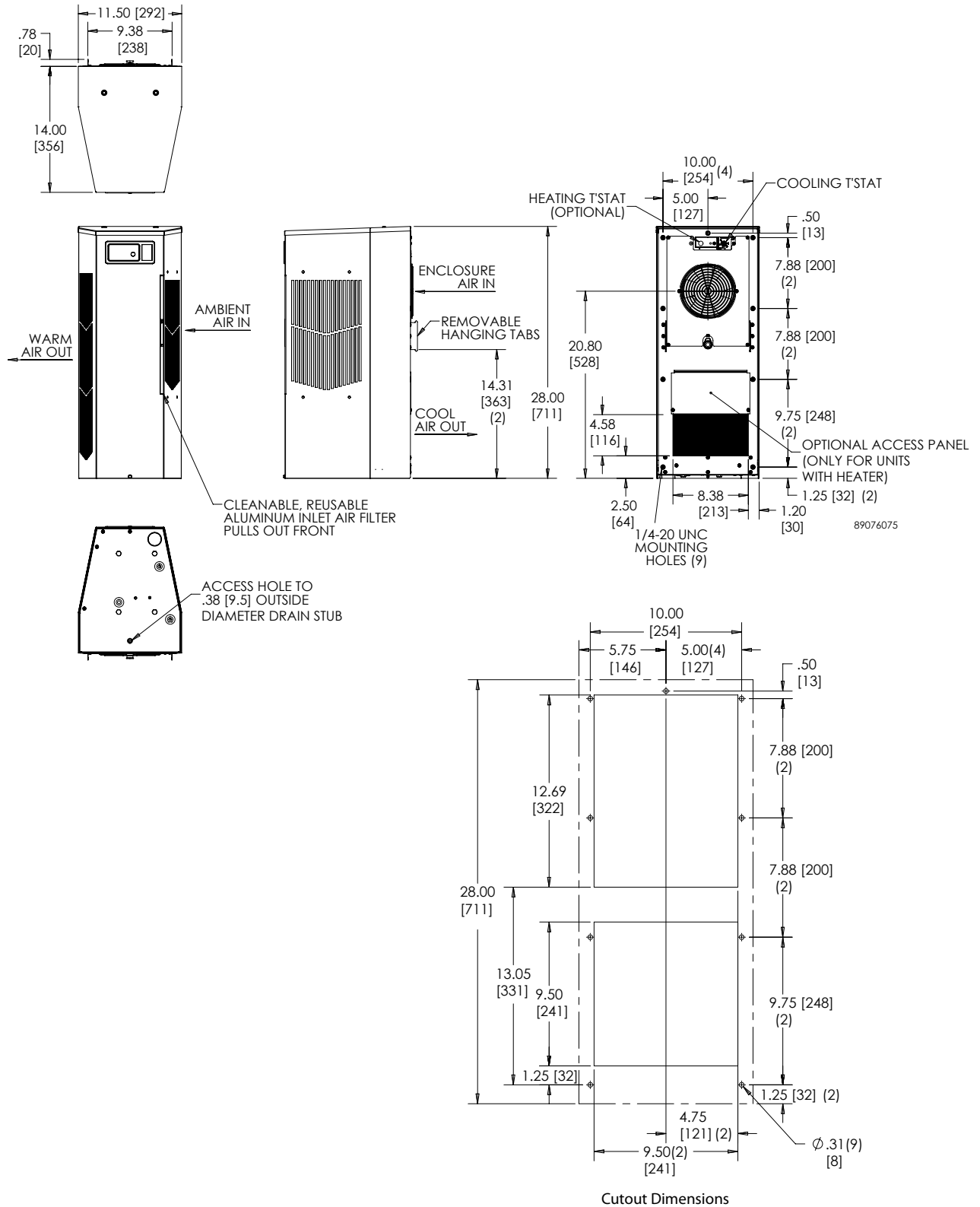
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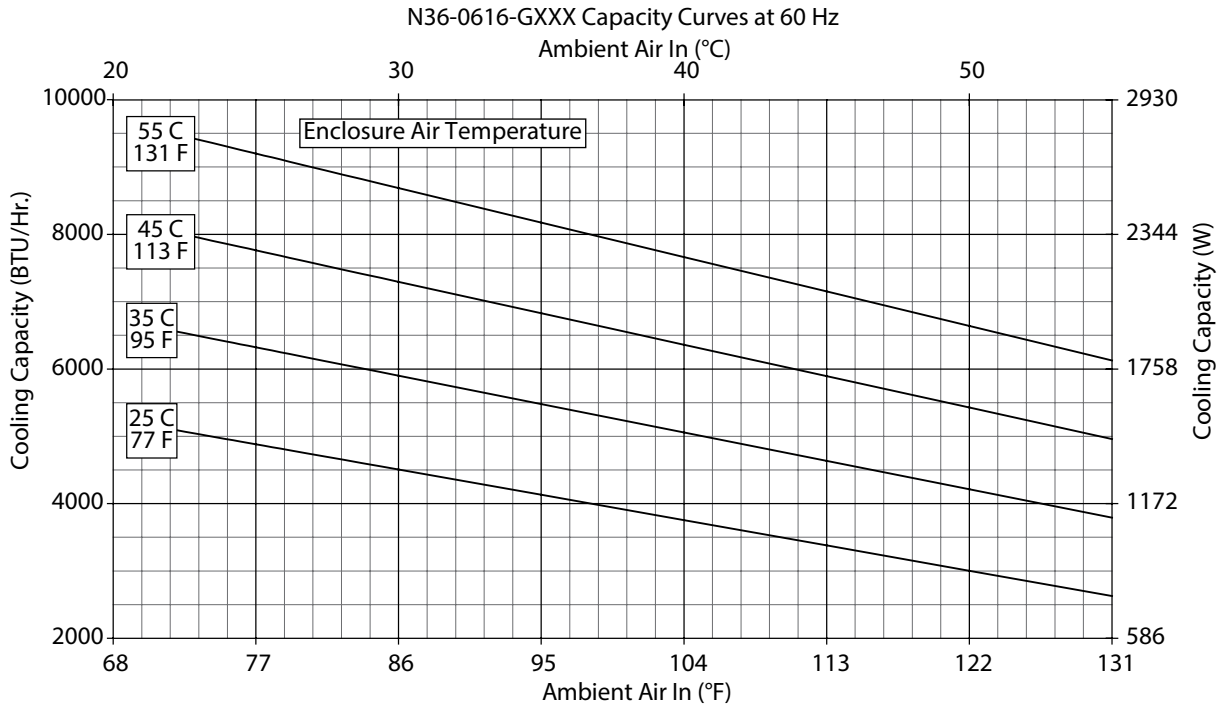
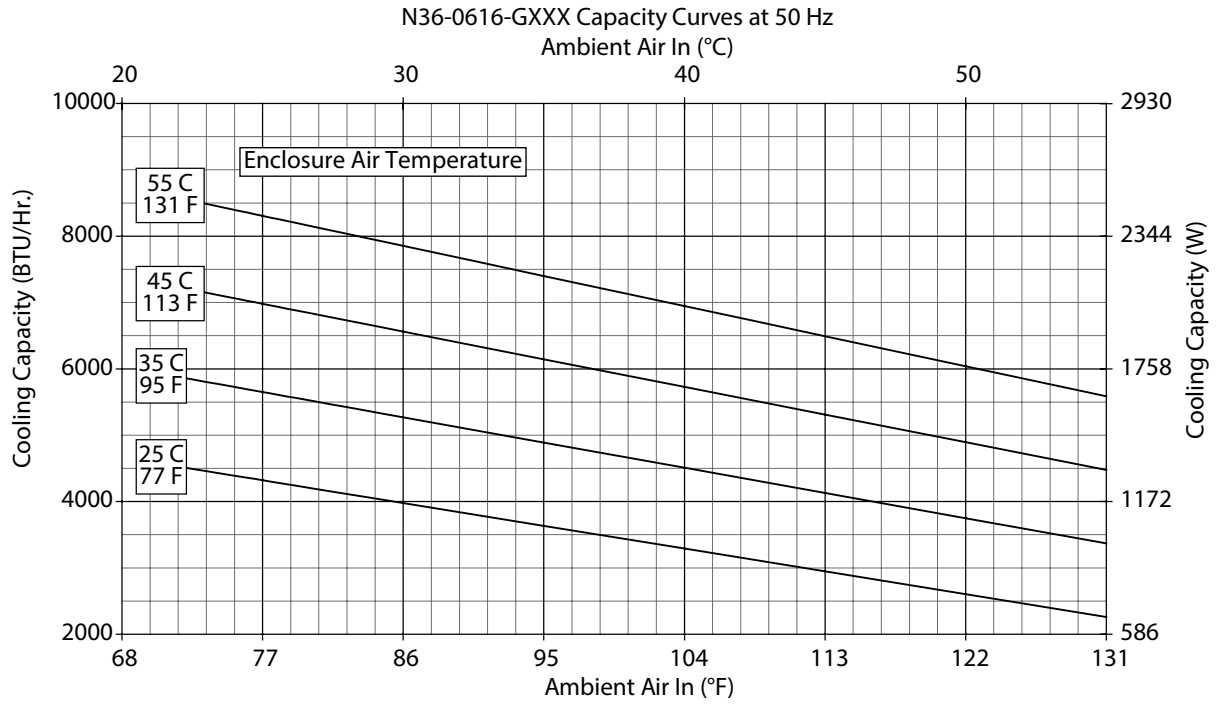
Performance Data **N36 6000/8000 BTU/Hr. (1758/2344 Watt)**

| CATALOG NUMBER                                       |   |             |              |             |             |              |
|--|---|-------------|--------------|-------------|-------------|--------------|
| Indoor Model   | N360616G050   | N360626G050 | N360646G050  | N360816G050 | N360826G050 | N360846G050  |
| Indoor Model Stainless Steel Type 4X                 | N360616G051   | N360626G051 | N360646G051  | N360816G051 | N360826G051 | N360846G051  |
| Indoor Model with Remote Access Control*             | N360616G060   | N360626G060 | N360646G060  | N360816G060 | N360826G060 | N360846G060  |
| Outdoor Model without Heat Pkg.                      | N360616G100   | N360626G100 | N360646G100  | N360816G100 | N360826G100 | N360846G100  |
| Outdoor Model with Heat Pkg.                         | N360616G150   | N360626G150 | N360646G150  | N360816G150 | N360826G150 | N360846G150  |
| Outdoor Model with Heat Pkg. Stainless Steel Type 4X | N360616G151   | N360626G151 | N360646G151  | N360816G151 | N360826G151 | N360846G151  |
| COOLING PERFORMANCE                                  |   |             |              |             |             |              |
| Nominal:   |   |             |              |             |             |              |
| BTU/Hr.  | 5400 / 6000   | 5400 / 6000 | 5400 / 6000  | 8250 / 8500 | 8250 / 8500 | 8250 / 8500  |
| Watts  | 1581 / 1757   | 1581 / 1757 | 1581 / 1757  | 2416 / 2489 | 2313 / 2635 | 2284 / 2401  |
| At 131 F / 131 F (55 C / 55 C):                      |   |             |              |             |             |              |
| BTU/Hr. (50 / 60 Hz)                                 | 5585 / 6180   | 5469 / 5965 | 5300 / 6089  | 8213 / 8453 | 7874 / 8063 | 7311 / 7940  |
| Watts (50 / 60 Hz)                                   | 1637 / 1811   | 1603 / 1748 | 1553 / 1785  | 2405 / 2475 | 2306 / 2361 | 2143 / 2327  |
| At 95 F / 95 F (35 C / 35 C):                        |   |             |              |             |             |              |
| BTU/Hr. (50 / 60 Hz)                                 | 4909 / 5485   | 5159 / 5621 | 5572 / 6026  | 7028 / 7626 | 6660 / 7411 | 6448 / 6716  |
| Watts (50 / 60 Hz)                                   | 1439 / 1607   | 1512 / 1647 | 1633 / 1766  | 2058 / 2233 | 1950 / 2170 | 1890 / 1968  |
| Refrigerant  | R134a   | R134a       | R134a        | R134a       | R134a       | R134a        |
| Refrigerant Charge (ounces/grams)                    | 20 / 567  | 22 / 624    | 16 / 454     | 36 / 1021   | 36 / 1021   | 33 / 936     |
| Operating Temperature Range:                         |   |             |              |             |             |              |
| Maximum (°F / °C)                                    | 131 / 55  | 131 / 55    | 131 / 55     | 131 / 55    | 131 / 55    | 131 / 55     |
| Minimum (°F / °C)                                    | -40 / -40   | -40 / -40   | -40 / -40    | -40 / -40   | -40 / -40   | -40 / -40    |
| Air Flow at 0 Static Pressure:                       |   |             |              |             |             |              |
| Internal loop 50 Hz (CFM / M <sup>3</sup> /Hr.)      | 251 / 426   | 250 / 425   | 250 / 425    | 250 / 425   | 245 / 416   | 243 / 413    |
| External loop 50 Hz (CFM / M <sup>3</sup> /Hr.)      | 284 / 483   | 338 / 574   | 338 / 574    | 313 / 532   | 347 / 589   | 365 / 620    |
| Internal loop 60 Hz (CFM / M <sup>3</sup> /Hr.)      | 261 / 443   | 261 / 443   | 261 / 443    | 263 / 447   | 258 / 439   | 254 / 432    |
| External loop 60 Hz (CFM / M <sup>3</sup> /Hr.)      | 311 / 528   | 356 / 605   | 356 / 605    | 338 / 574   | 382 / 648   | 394 / 669    |
| Max. Heater W (Outdoor Models)                       | 1300  | 1300        | 1300         | 1300        | 1300        | 1300         |
| ELECTRICAL DATA                                      |   |             |              |             |             |              |
| Rated Voltage  | 115   | 230         | 400 / 460 3~ | 115         | 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 (Watts at 50 / 60 Hz)         | 911 / 1108  | 908 / 1073  | 697 / 895    | 1334 / 1530 | 1265 / 1403 | 1327 / 1647  |
| Max. Nominal Current (Amps at 50 / 60 Hz)            | 9.1 / 10.1  | 4.5 / 4.7   | 1.59 / 1.69  | 11.6 / 13.3 | 5.5 / 6.1   | 3.0 / 3.3    |
| Starting Current (Amps)                              | 39.2  | 23.0        | 8.1          | 48.3        | 27.0        | 16.0         |
| Agency Approvals                                     | cUL Listed<br>CE<br>Others available upon request<br>Terminal Block                                   |             |              |             |             |              |
| Power Input Description                              | Terminal Block  |             |              |             |             |              |
| ENCLOSURE PROTECTION                                 |   |             |              |             |             |              |
| UL Type  | Type 12, 3R, 4 Standard<br>Type 4X Stainless Steel Optional   |             |              |             |             |              |
| CONTROLLER   |   |             |              |             |             |              |
| Description  | Basic Mechanical Thermostat   |             |              |             |             |              |
| Thermostat Location                                  | Enclosure Side  |             |              |             |             |              |
| Factory Thermostat Setting (°F / °C)                 | 80 / 27   |             |              |             |             |              |
| SOUND LEVEL  |   |             |              |             |             |              |
| At 1.5 Meters  | 66.9 dBA  | 66.7 dBA    | 68.2 dBA     | 66.0 dBA    | 66.0 dBA    | 66.0 dBA     |
| UNIT CONSTRUCTION                                    |   |             |              |             |             |              |
| Material   | Galvanized sheet metal standard<br>Stainless steel optional   |             |              |             |             |              |
| Finish   | RAL 7035 light-gray, semi-textured powder-coat paint standard<br>Other colors available               |             |              |             |             |              |
| ACCESSORIES  |   |             |              |             |             |              |
| EASYSWAP Adaptor Plenum (GENESIS M36)                | Enables SPECTRACOOOL to be mounted to a GENESIS M36 air conditioner cutout<br>Catalog Number PLM36N36 |             |              |             |             |              |
| UNIT DIMENSIONS                                      |   |             |              |             |             |              |
| Height (in. / mm)                                    | 36.00 / 914.4   |             |              |             |             |              |
| Width (in. / mm)                                     | 11.50 / 292.1   |             |              |             |             |              |
| Depth (in. / mm)                                     | 14.00 / 355.6   |             |              |             |             |              |
| Weight (lb. / kg)                                    | 100 / 45  | 100 / 45    | 104 / 47     | 106 / 48    | 106 / 48    | 114 / 52     |

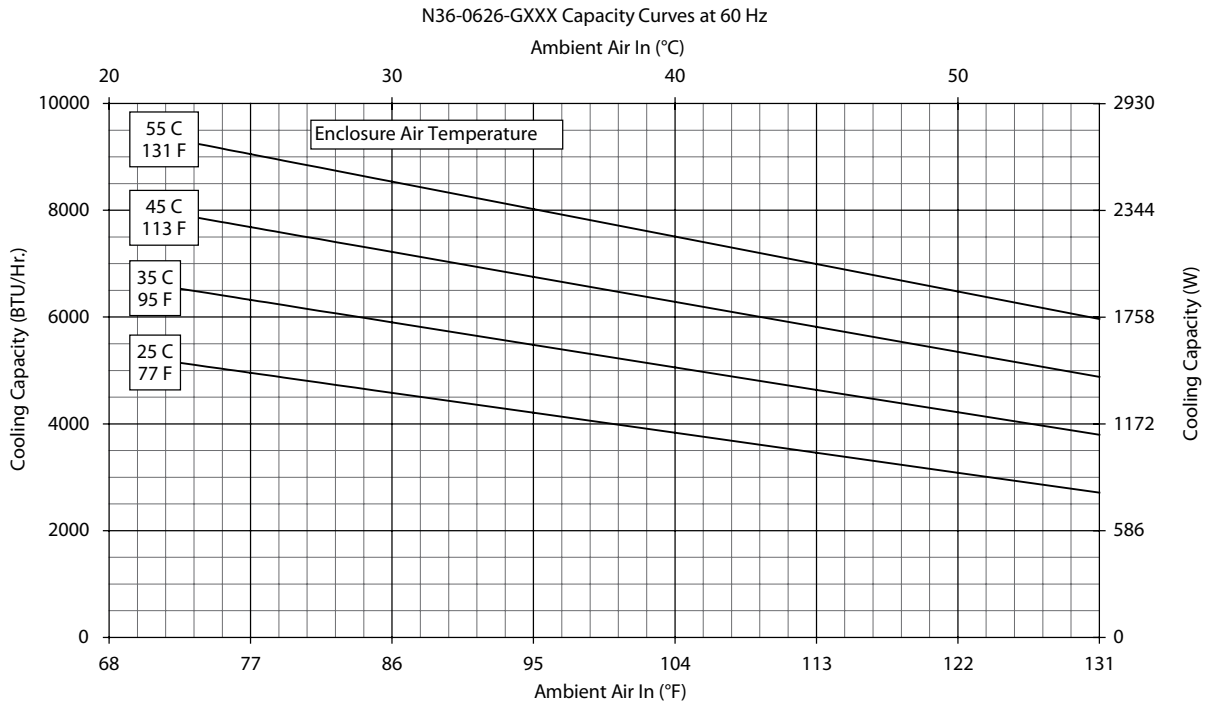
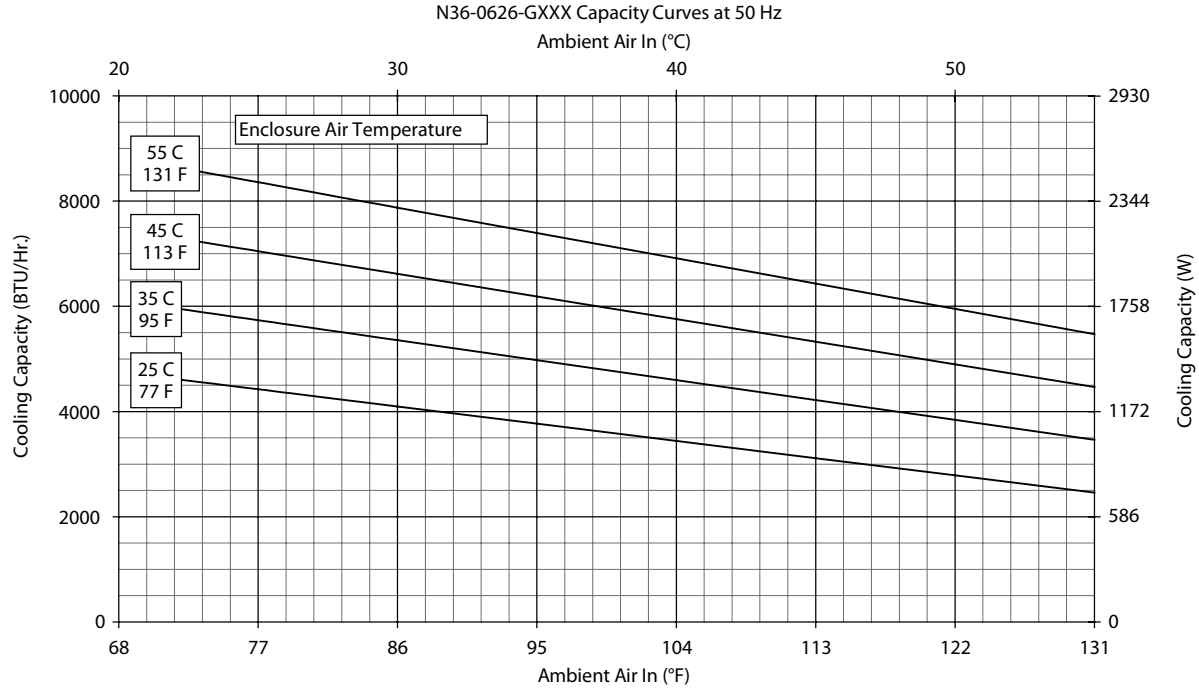
\*Units with Remote Access Control utilize a digital controller and communicate via EtherNet/IP, Profinet, Modbus TCP/IP and SNMP over ethernet or modbus RTU over USB.



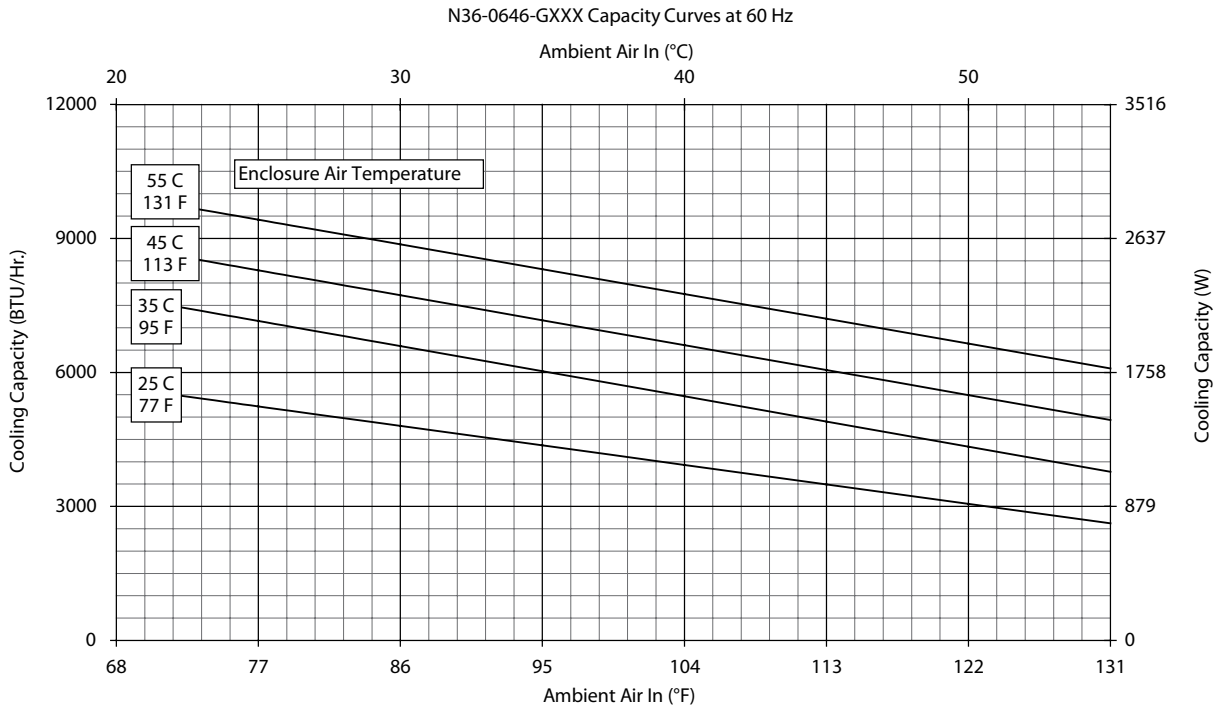
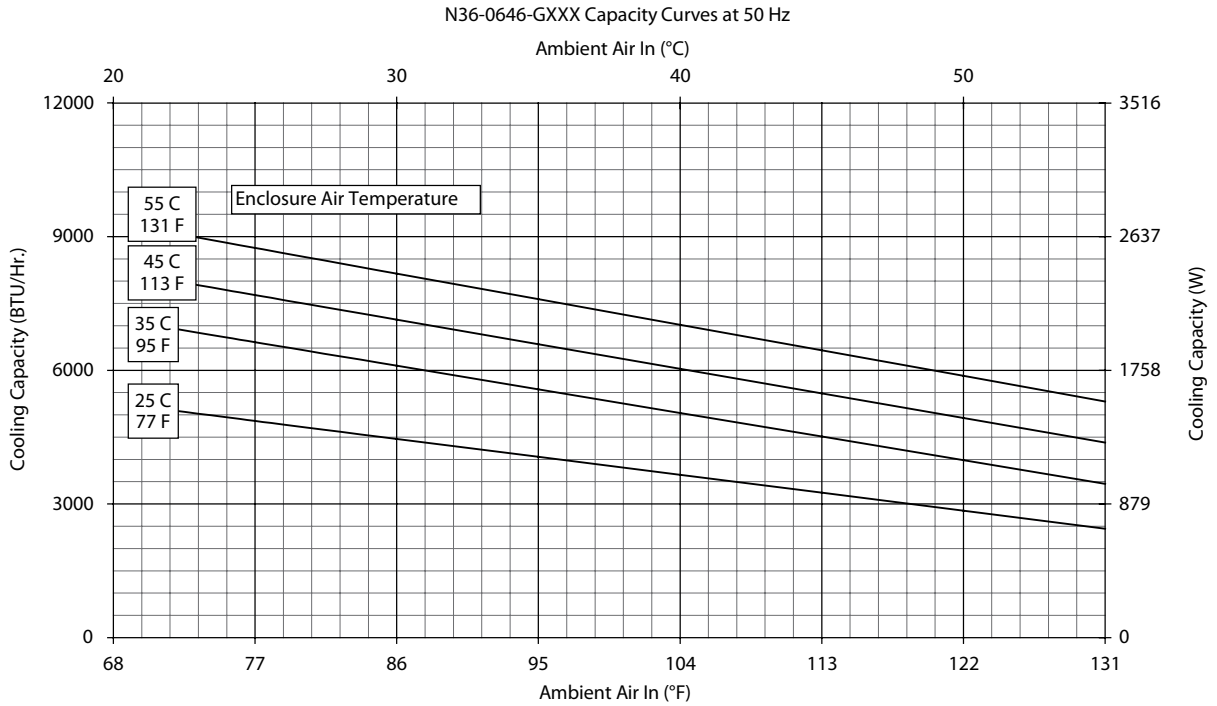
Performance Curves for N36 Models 6000 BTU/Hr. (1758 Watt)



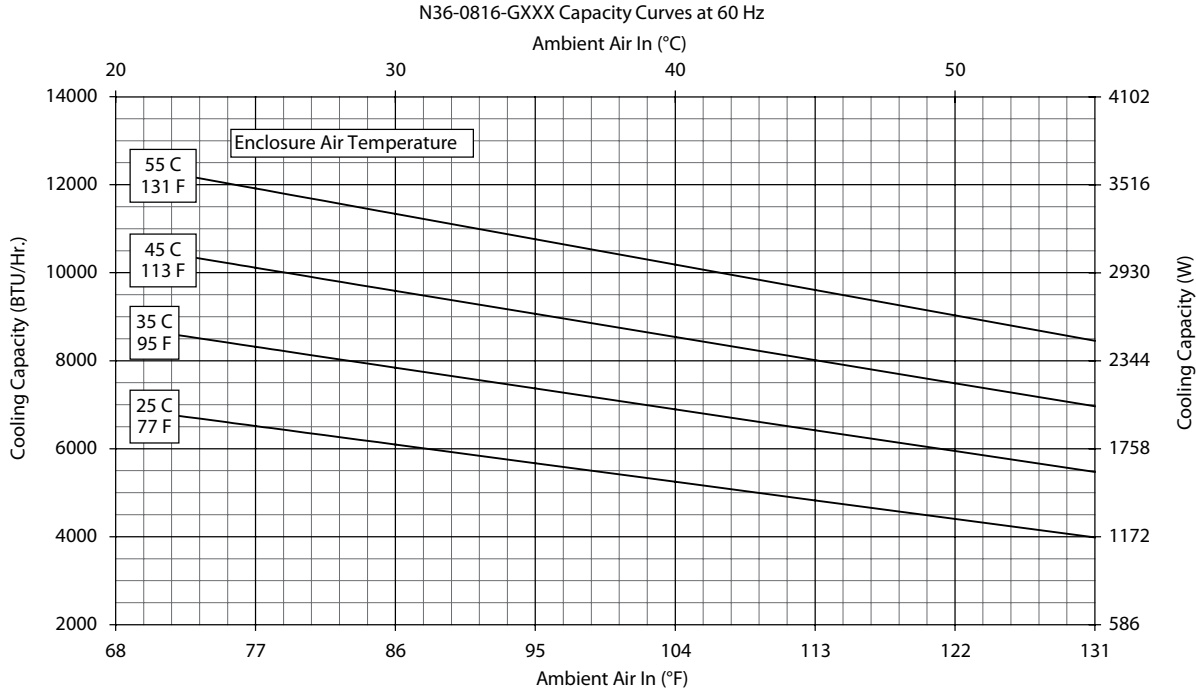
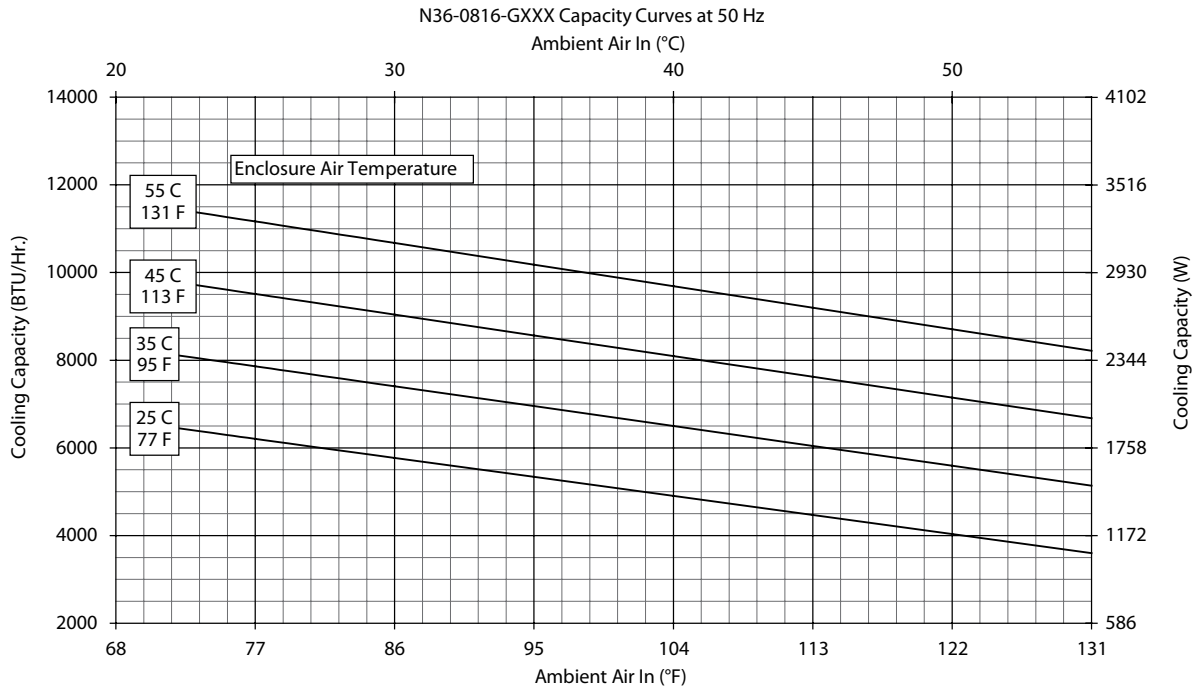
Performance Curves for N36 Models 6000 BTU/Hr. (1758 Watt)



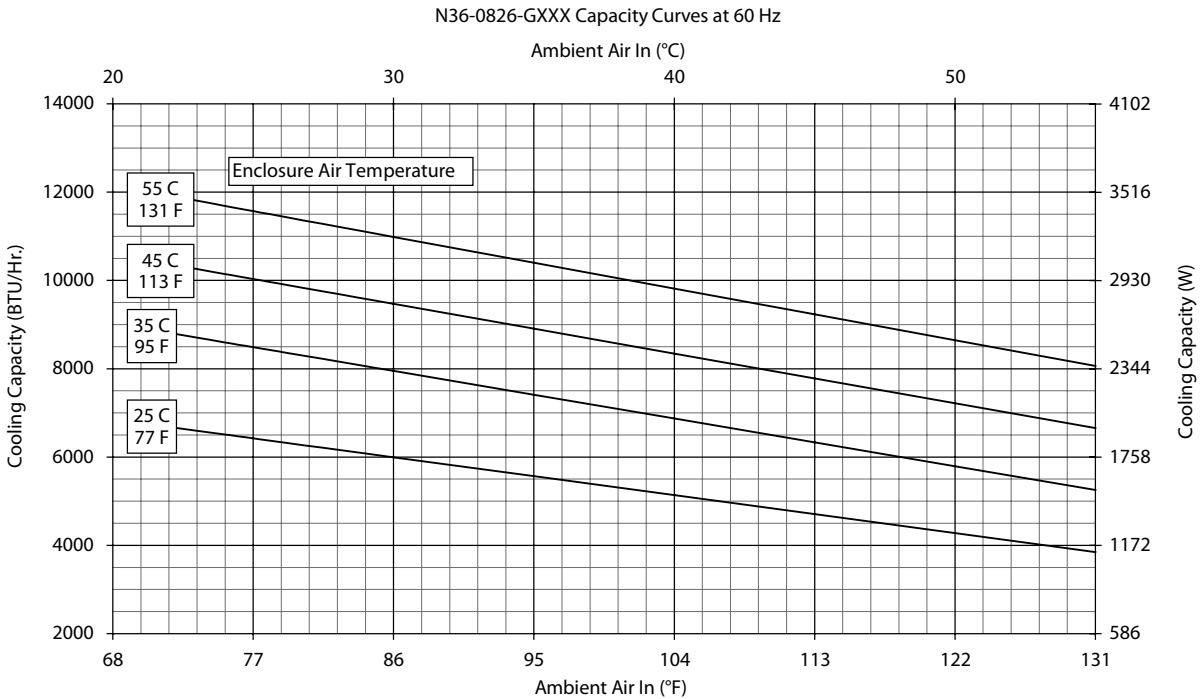
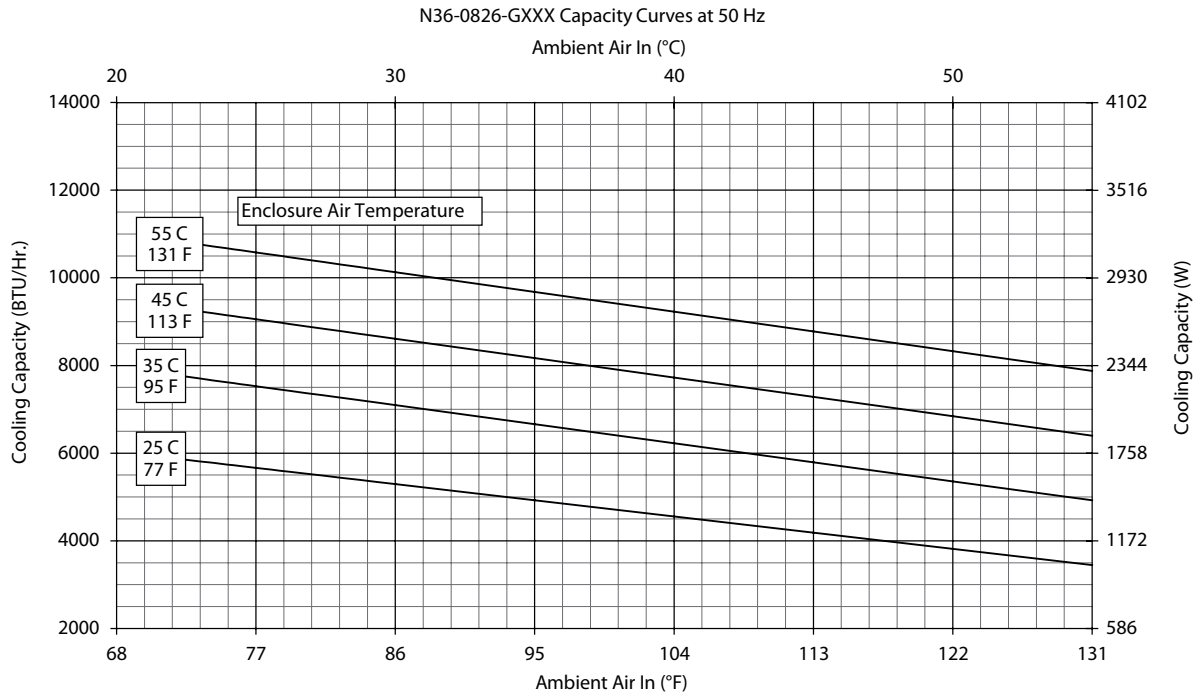
Performance Curves for N36 Models 6000 BTU/Hr. (1758 Watt)



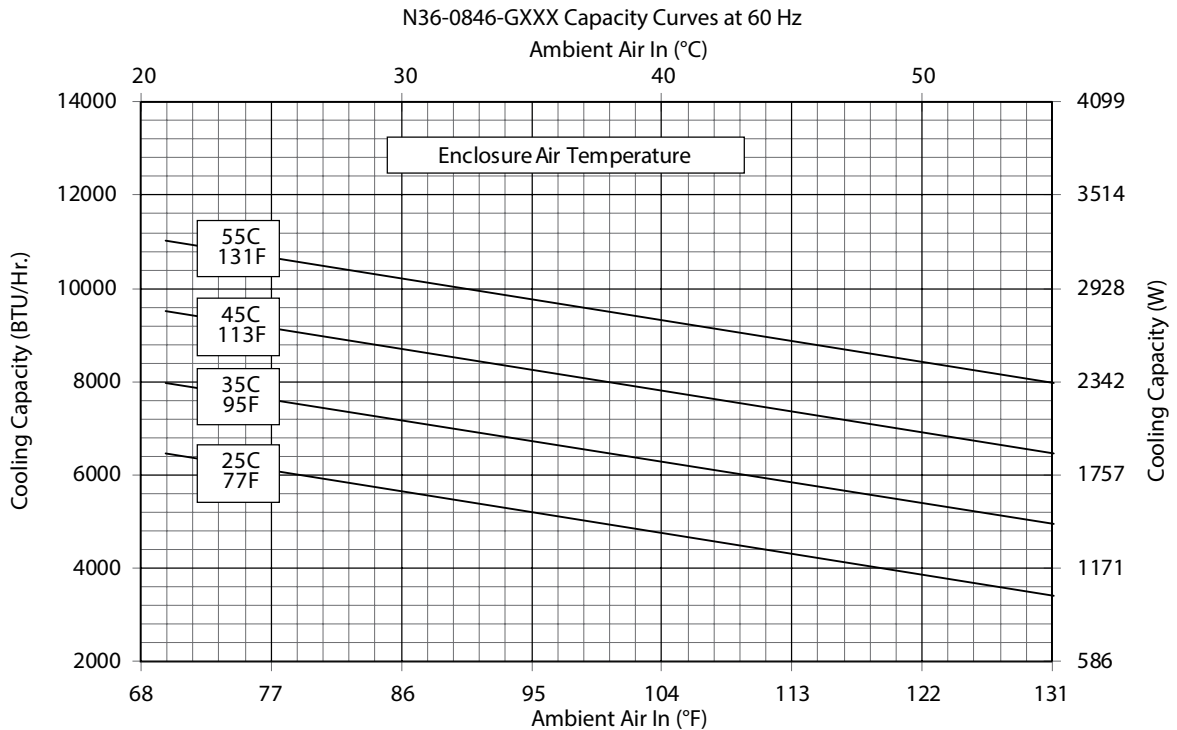
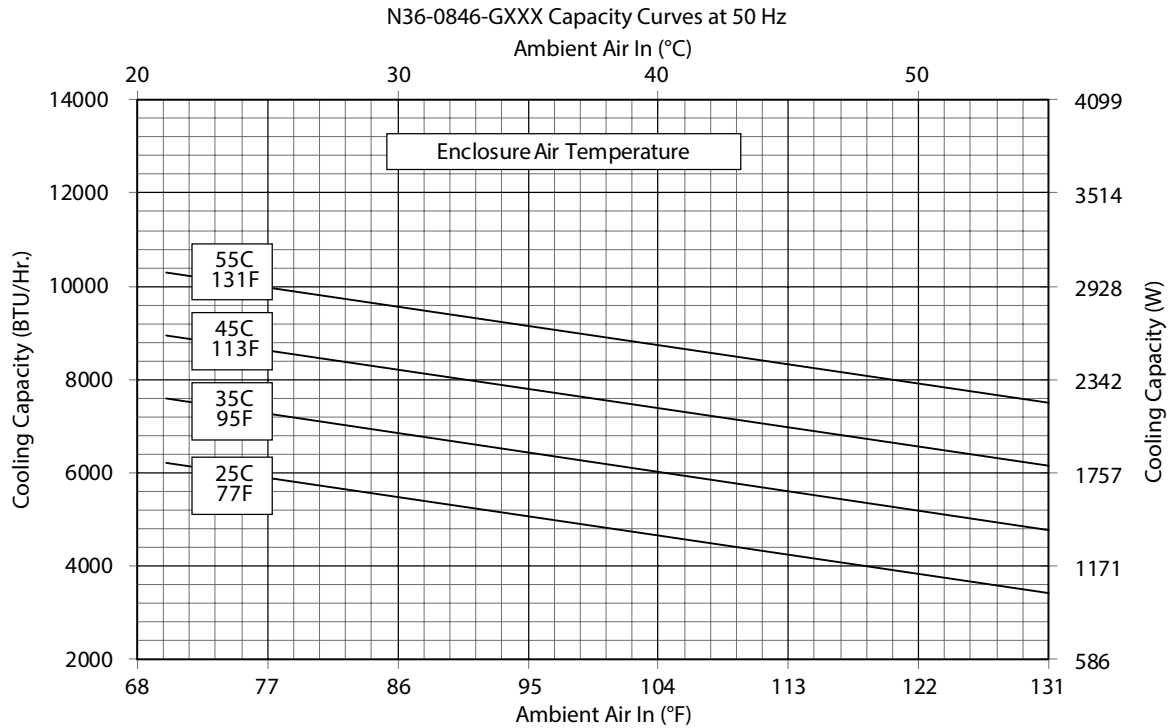
Performance Curves for N36 Models 8000 BTU/Hr. (2344 Watt)



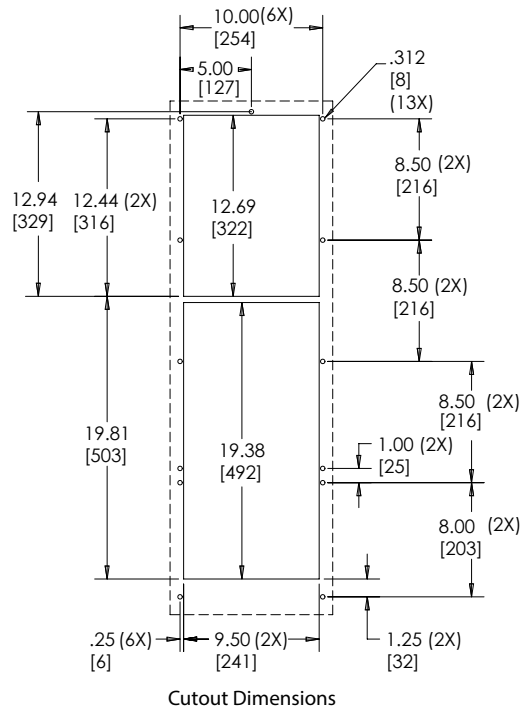
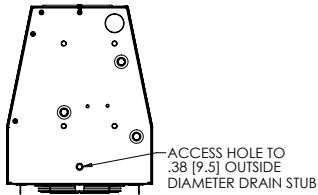
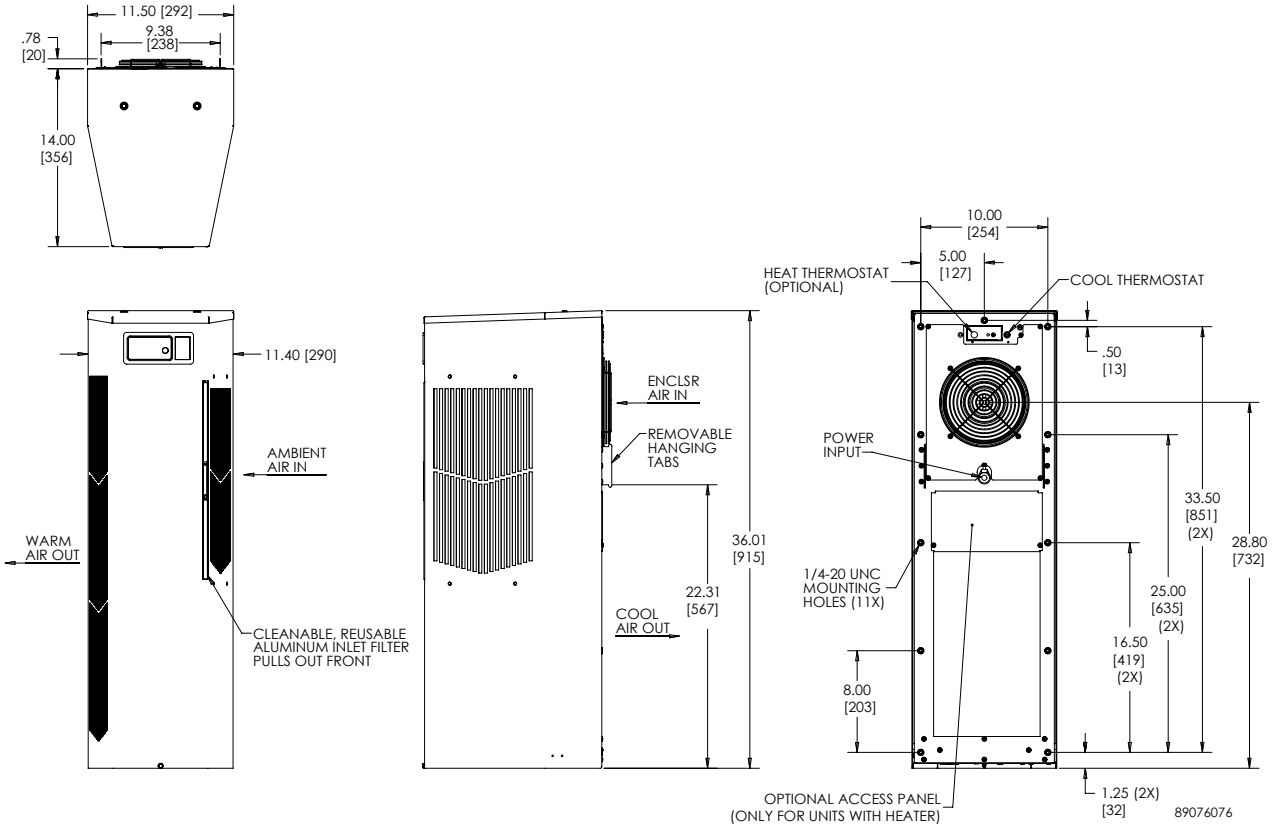
Performance Curves for N36 Models 8000 BTU/Hr. (2344 Watt)



Performance Curves for N36 Models 8000 BTU/Hr. (2384 Watt)



**N36 6000/8000 BTU/Hr. (1758/2344 Watt)**



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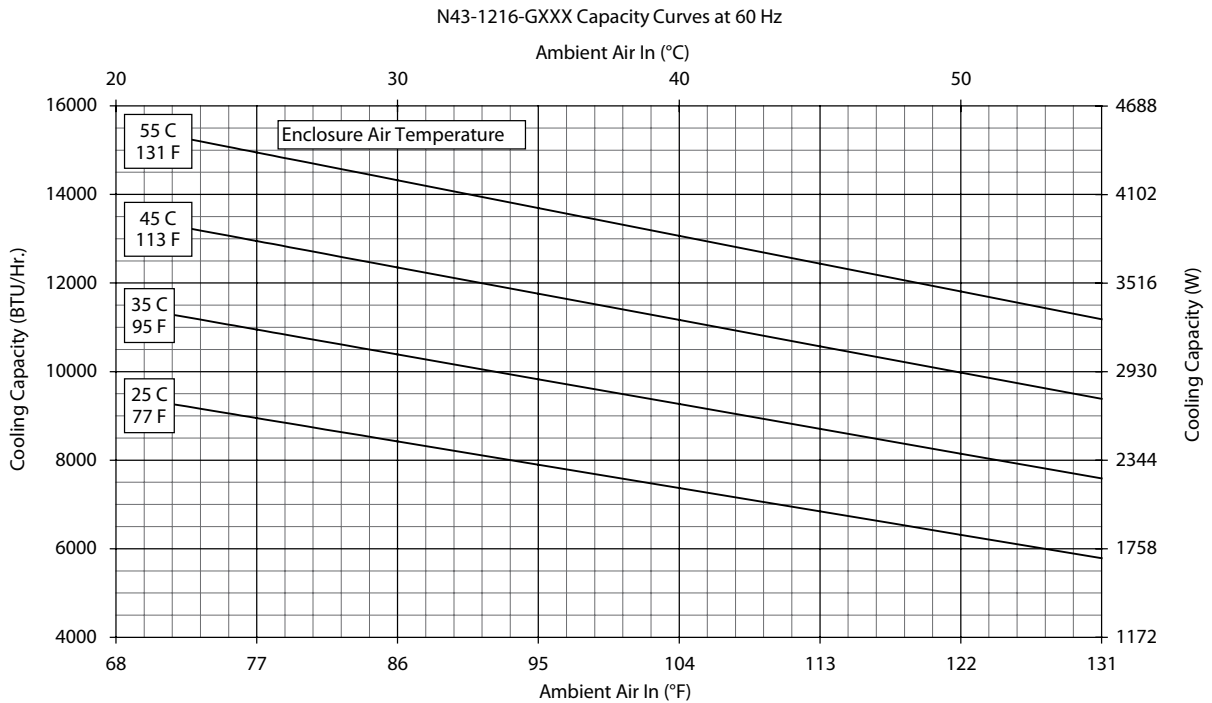
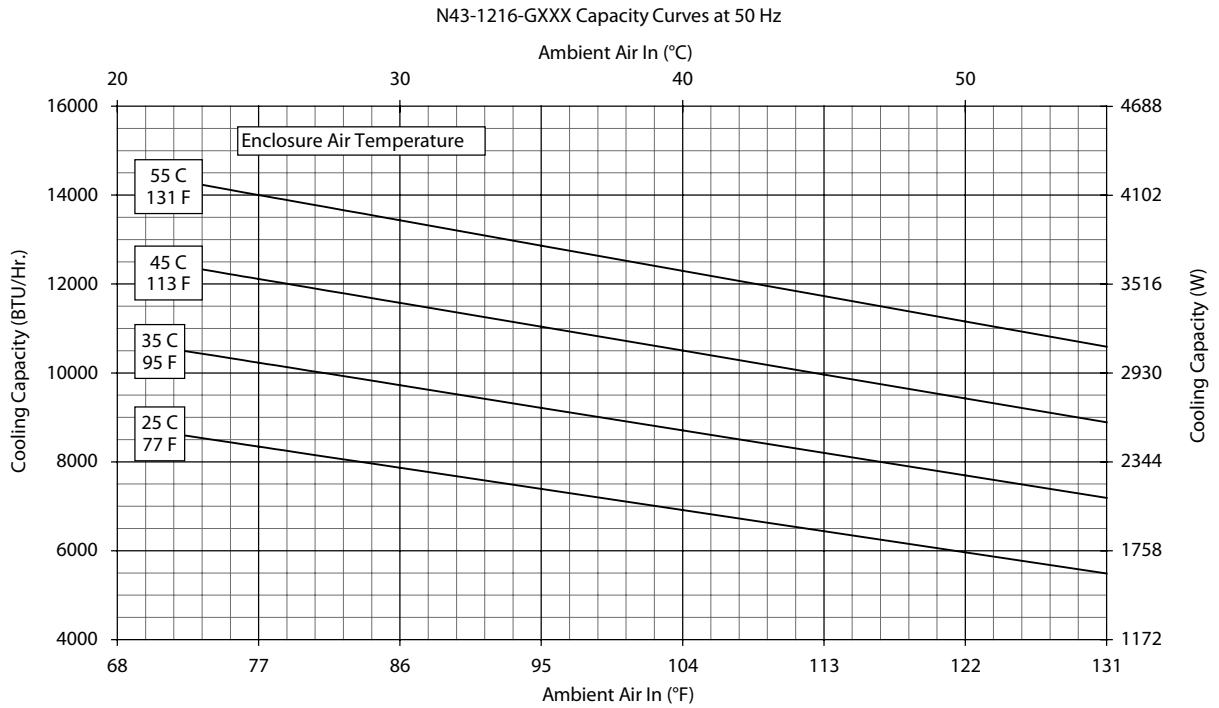
Performance Data **N43 11000 BTU/Hr. (3223 Watt)**

| CATALOG NUMBER                                       |               |   |               |
|--|---------------|---|---------------|
| Indoor Model   | N431216G050   | N431226G050   | N431246G050   |
| Indoor Model Stainless Steel Type 4X                 | N431216G051   | N431226G051   | N431246G051   |
| Indoor Model with Remote Access Control*             | N431216G060   | N431226G060   | N431246G060   |
| Outdoor Model without Heat Pkg.                      | N431216G100   | N431226G100   | N431246G100   |
| Outdoor Model with Heat Pkg.                         | N431216G150   | N431226G150   | N431246G150   |
| Outdoor Model with Heat Pkg. Stainless Steel Type 4X | N431216G151   | N431226G151   | N431246G151   |
| COOLING PERFORMANCE                                  |               |   |               |
| <b>Nominal:</b>                                      |               |   |               |
| BTU/Hr.  | 10400 / 11000 | 10400 / 11000   | 10400 / 11000 |
| Watts  | 3047 / 3223   | 2900 / 3223   | 2900 / 3223   |
| At 131 F / 131 F (55 C / 55 C):                      |               |   |               |
| BTU/Hr. (50 / 60 Hz)                                 | 10588 / 11180 | 9664/10420  | 10864/11756   |
| Watts (50 / 60 Hz)                                   | 3103 / 3277   | 2832/3054   | 3184/3445     |
| At 95 F / 95 F (35 C / 35 C):                        |               |   |               |
| BTU/Hr. (50 / 60 Hz)                                 | 9475 / 10023  | 8713/9232   | 9384/10474    |
| Watts (50 / 60 Hz)                                   | 2777 / 2937   | 2554/2706   | 2750/3069     |
| Refrigerant  | R134a         | R134a   | R134a         |
| Refrigerant Charge (ounces/grams)                    | 36 / 1021     | 39/1106   | 43/1219       |
| Operating Temperature Range:                         |               |   |               |
| Maximum (°F / °C)                                    | 131 / 55      | 131 / 55  | 131 / 55      |
| Minimum (°F / °C)                                    | -40 / -40     | -40 / -40   | -40 / -40     |
| Air Flow at 0 Static Pressure:                       |               |   |               |
| Internal loop 50 Hz (CFM / M <sup>3</sup> /Hr)       | 239 / 406     | 259 / 440   | 254 / 432     |
| External loop 50 Hz (CFM / M <sup>3</sup> /Hr)       | 494 / 839     | 489 / 831   | 341 / 579     |
| Internal loop 60 Hz (CFM / M <sup>3</sup> /Hr)       | 250 / 425     | 267 / 454   | 260 / 442     |
| External loop 60 Hz (CFM / M <sup>3</sup> /Hr)       | 528 / 897     | 525 / 892   | 564 / 958     |
| Max. Heater W (Outdoor Models)                       | 1300          | 1300  | 1300          |
| ELECTRICAL DATA                                      |               |   |               |
| Rated Voltage  | 115           | 230   | 400 / 460 3~  |
| Frequency (Hz)                                       | 50 / 60       | 50 / 60   | 50 / 60       |
| Operating Range                                      | +/-10%        | +/-10%  | +/-10%        |
| Max. Power Consumption (Watts at 50 / 60 Hz)         | 1802 / 2446   | 1762/2226   | 1678/2107     |
| Max. Nominal Current (Amps at 50 / 60 Hz)            | 16.6 / 22.0   | 7.9/10.2  | 3.4/3.6       |
| Starting Current (Amps)                              | 57            | 30/28   | 20/18         |
| Agency Approvals                                     |               | cUL Listed<br>CE  |               |
| Power Input Description                              |               | Others available upon request   |               |
| ENCLOSURE PROTECTION                                 |               | Terminal Block  |               |
| UL Type  |               | Type 12, 3R, 4 Standard<br>Type 4X Stainless Steel Optional                             |               |
| CONTROLLER   |               |   |               |
| Description  |               | Basic Mechanical Thermostat   |               |
| Thermostat Location                                  |               | Enclosure Side  |               |
| Factory Thermostat Setting (°F / °C)                 |               | 80 / 27   |               |
| SOUND LEVEL  |               |   |               |
| At 1.5 Meters  | 68.4 dBA      | 68.4 dBA  | 69.6 dBA      |
| UNIT CONSTRUCTION                                    |               |   |               |
| Material   |               | Galvanized sheet metal standard<br>Stainless steel optional                             |               |
| Finish   |               | RAL 7035 light-gray, semi-textured powder-coat paint standard<br>Other colors available |               |
| UNIT DIMENSIONS                                      |               |   |               |
| Height (in / mm)                                     |               | 43.00 / 1092.2  |               |
| Width (in / mm)                                      |               | 11.50 / 292.1   |               |
| Depth (in / mm)                                      |               | 14.00 / 355.6   |               |
| Weight (lb / kg)                                     | 127/57.6      | 127/57.6  | 138/62.6      |

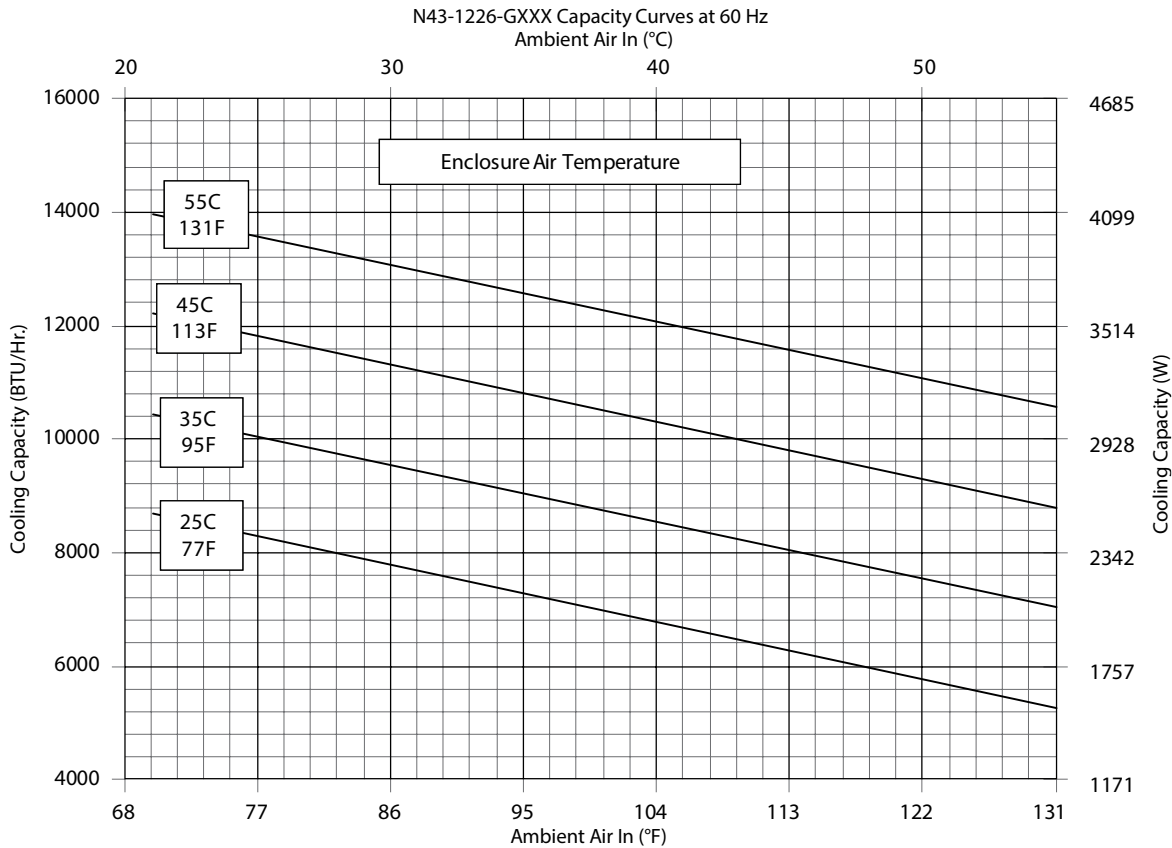
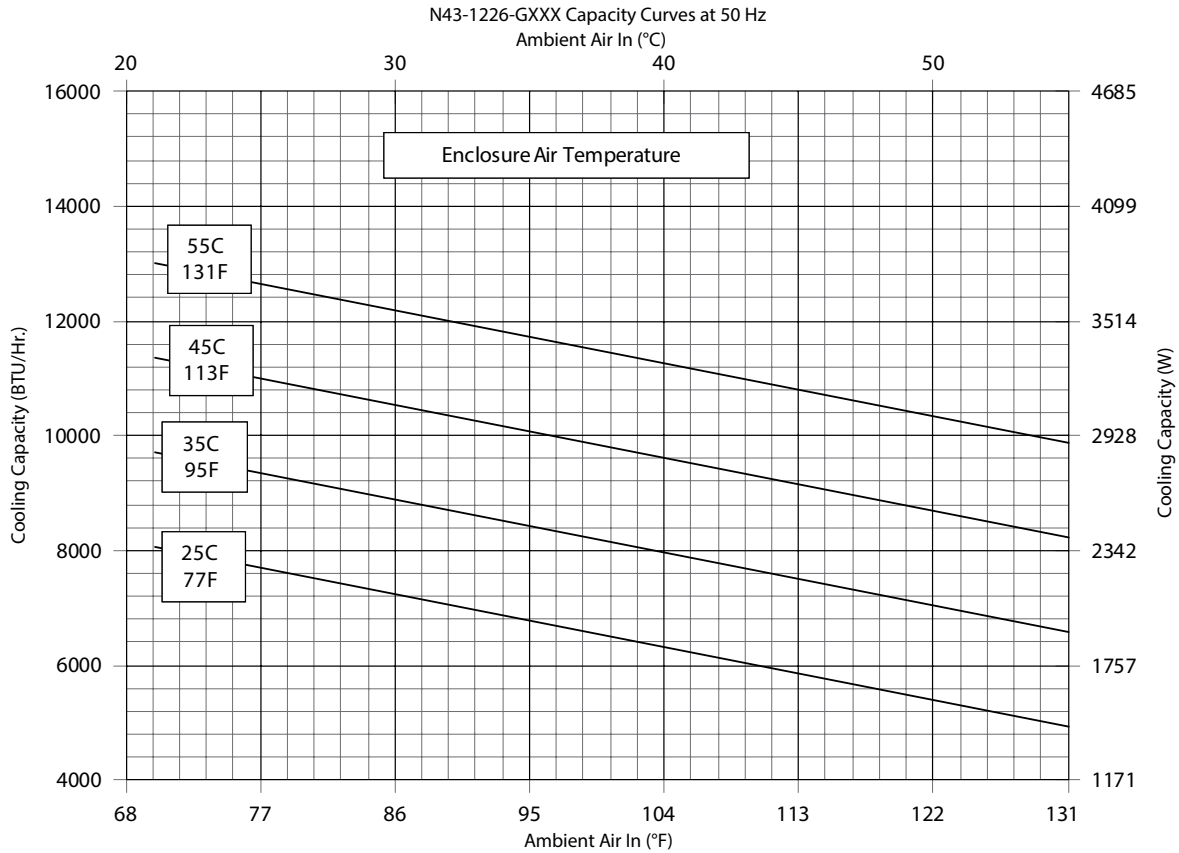
\*Units with Remote Access Control utilize a digital controller and communicate via EtherNet/IP, Profinet, Modbus TCP/IP and SNMP over ethernet or modbus RTU over USB.



Performance Curves for N43 Models 11000 BTU/Hr. (3223 Watt)

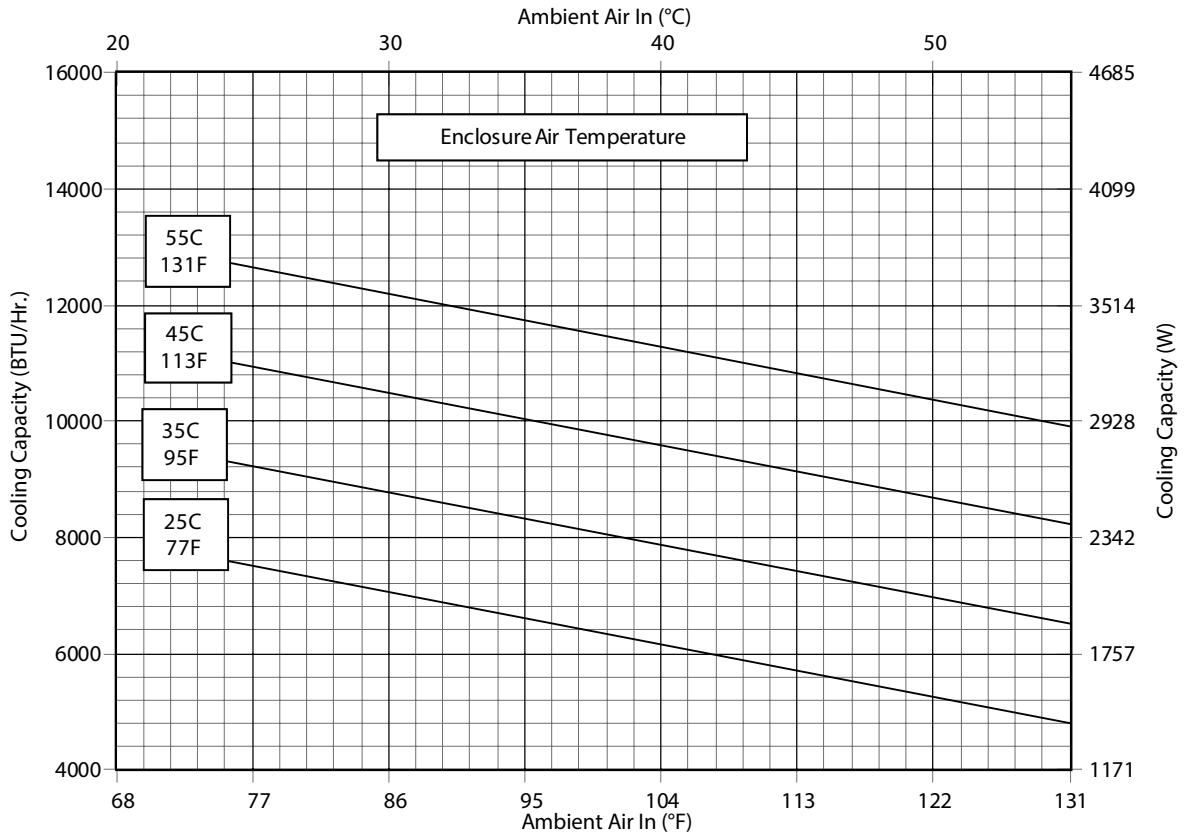


Performance Curves for N43 Models 11000 BTU/Hr. (3223 Watt)

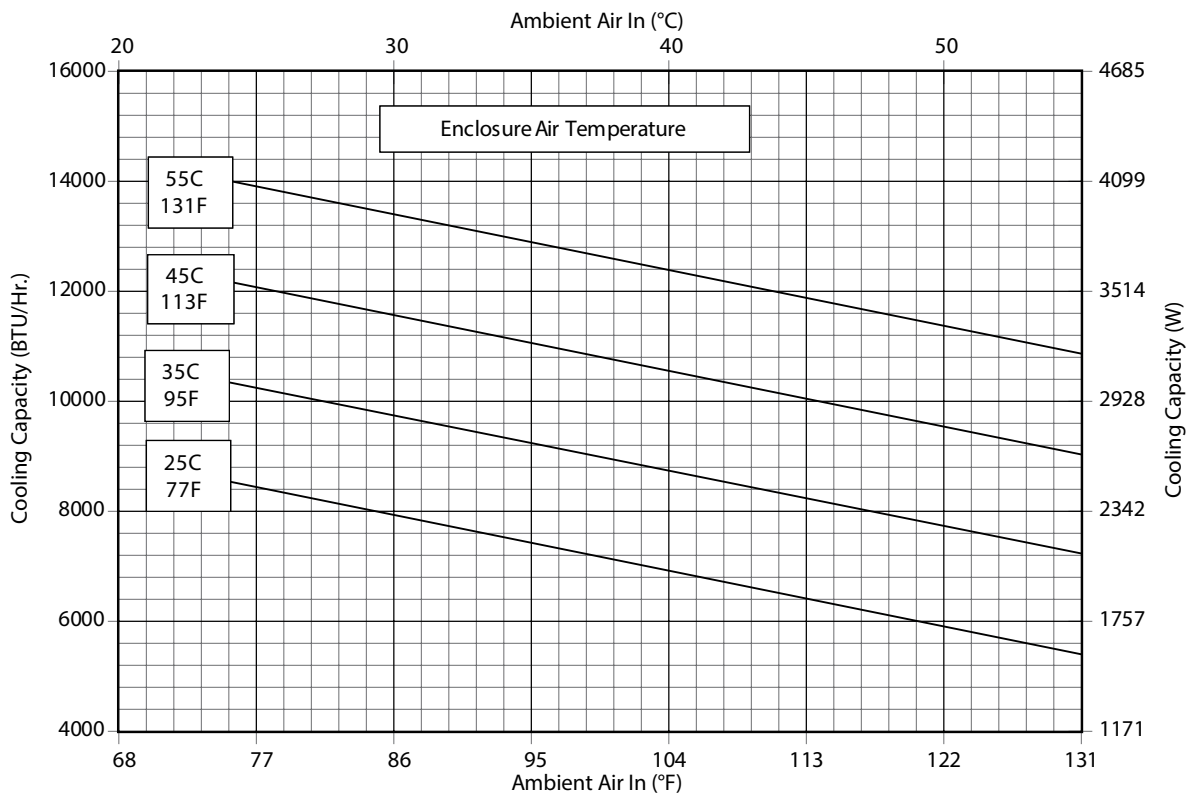


Performance Curves for N43 Models 11000 BTU/Hr. (3223 Watt)

N43-1246-GXXX Capacity Curves at 50 Hz

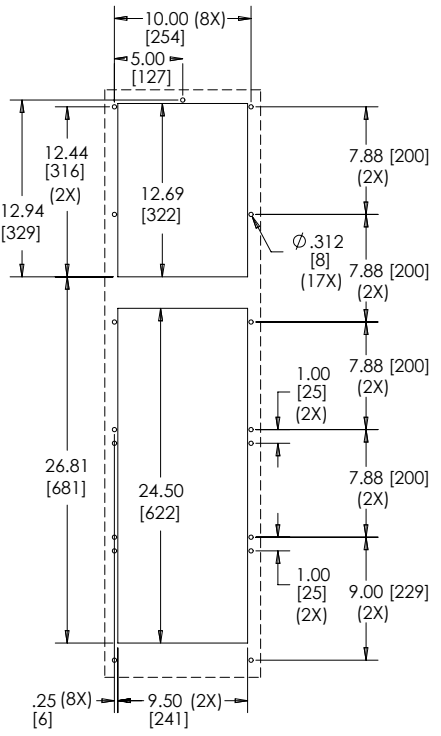
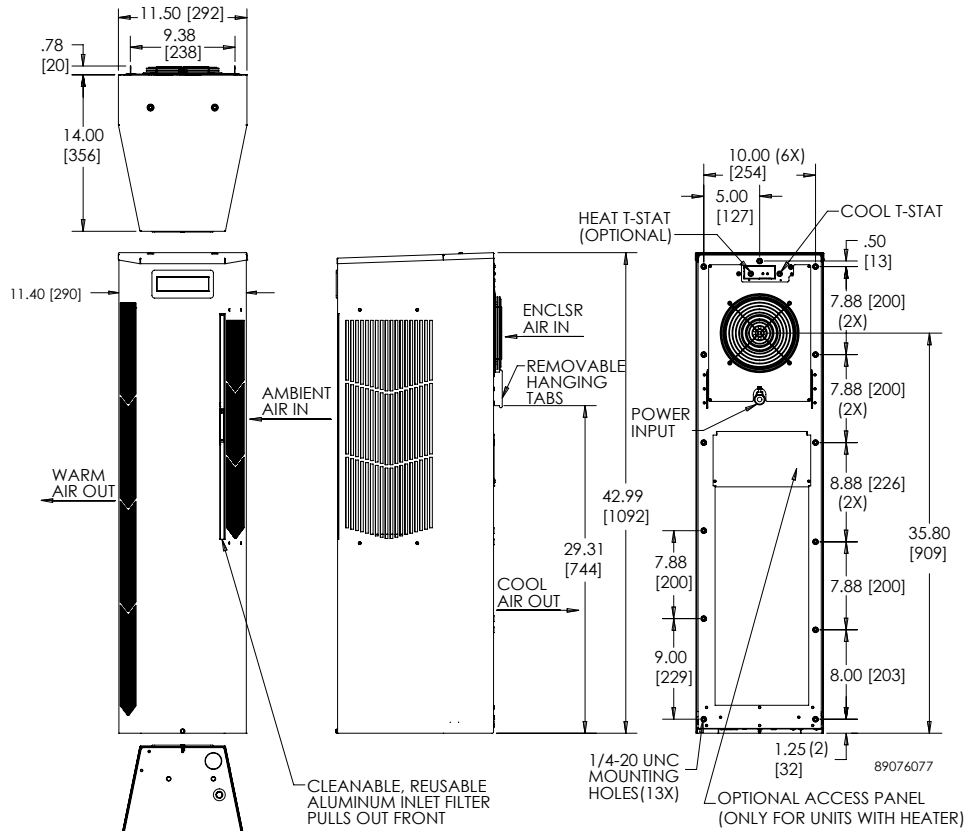


N43-1246-GXXX Capacity Curves at 60 Hz



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N43 12000 BTU/Hr. (3516 Watt)



CUTOUT INSTRUCTIONS