

SPECTRACOOL™ COMPACT INDOOR


N17 115/230 Volt
 1000 BTU/Hr.
 293 Watt

N17 460 Volt
 1800 BTU/Hr.
 527 Watt

INDUSTRY STANDARDS

UL/cUL Listed; Type 12; File No. SA6453

CE

IP 54 Internal Loop

IP 34 on External Loop

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 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
 - Power-off relay for door switch and other system requirements
 - Malfunction switch

SPECIFICATIONS

- Nominal cooling capacity:
 - N17 1000 BTU/Hr. (293 W)
 - N17 1800 BTU/Hr. (527 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

NOTES

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

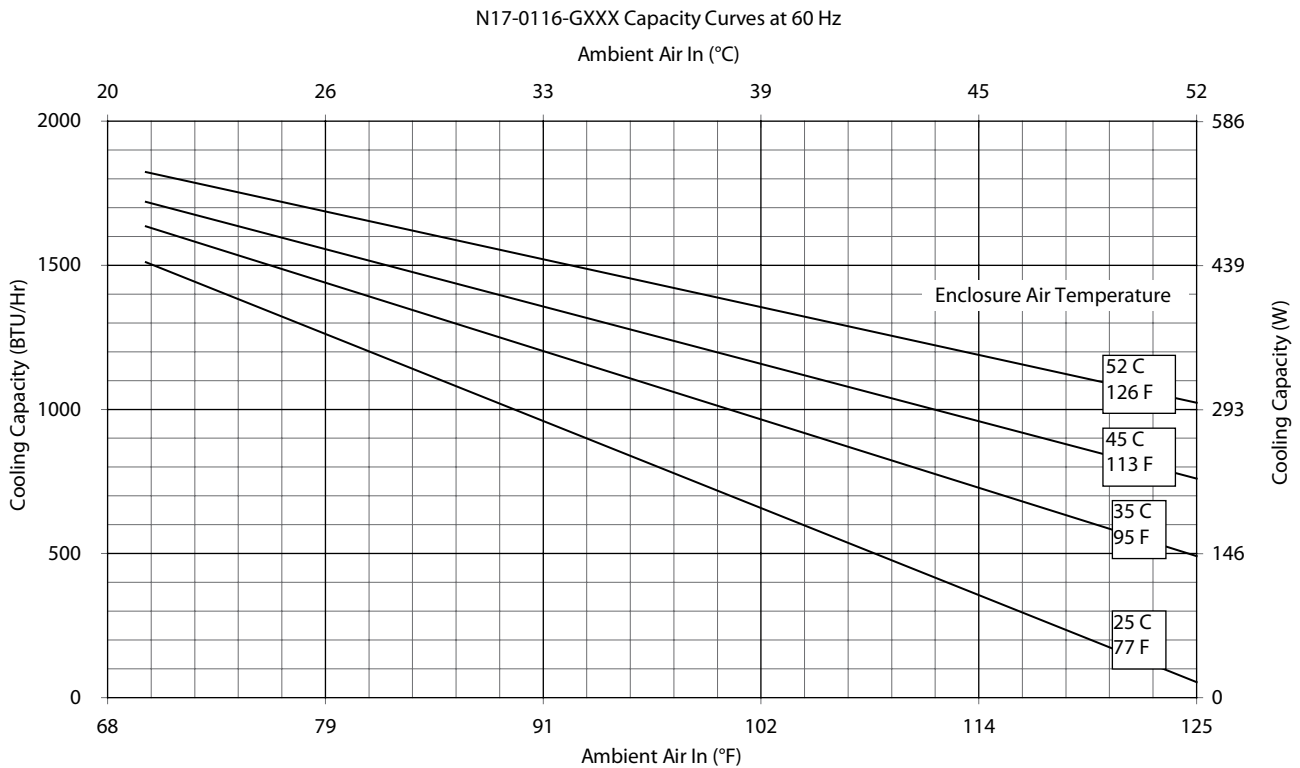
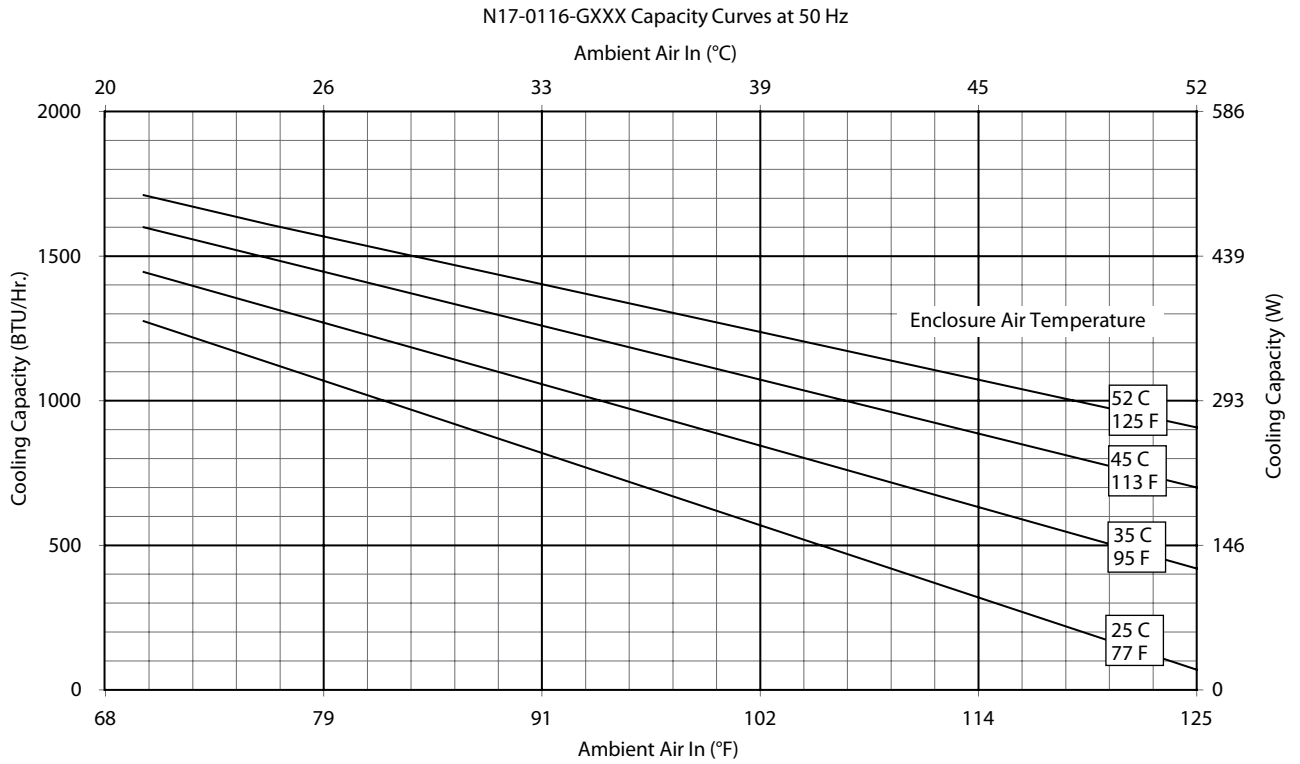


Performance Data **N17 Models 1000/1800 BTU/Hr. (300/527 Watt)**

| CATALOG NUMBER | | | | | | |
|---|---|--------------------|-----------------|---------------------|--------------------|------------------|
| Indoor Model | N170116G010 | N170126G010 | N170146G010 | N170216G010 | N170226G010 | N170246G010 |
| Indoor Model with Remote Access Control* | N170116G020 | N170126G020 | N170146G020 | N170216G020 | N170226G020 | N170246G020 |
| COOLING PERFORMANCE | | | | | | |
| Nominal: | | | | | | |
| BTU/Hr. | 908/1025 | 908/1025 | 908/1025 | 1500/1800 | 1500/1800 | 1500/1800 |
| Watts | 266/300 | 266/300 | 266/300 | 440/527 | 440/527 | 440/527 |
| Refrigerant | R-134a | R-134a | R-134a | R-134a | R-134a | R-134a |
| Refrigerant Charge (ounces/grams) | 5/142 | 5/142 | 5/142 | 5.5/156 | 5.5/156 | 5.5/156 |
| Operating Temperature Range: | | | | | | |
| Maximum (°F/°C) | 125/52 | 125/52 | 125/52 | 125/52 | 125/52 | 125/52 |
| Minimum (°F/°C) | 50/10 | 50/10 | 50/10 | 50/10 | 50/10 | 50/10 |
| Airflow at 0 Static Pressure: | | | | | | |
| Internal loop 50 Hz (CFM / m ³ /hr.) | 57/97 | 57/97 | 57/97 | 61/104 | 61/104 | 61/104 |
| External loop 50 Hz (CFM / m ³ /hr.) | 96/163 | 96/163 | 96/163 | 98/167 | 98/167 | 98/167 |
| Internal loop 60 Hz (CFM / m ³ /hr.) | 67/114 | 67/114 | 67/114 | 72/122 | 72/122 | 72/122 |
| External loop 60 Hz (CFM / m ³ /hr.) | 114/194 | 114/194 | 114/194 | 118/200 | 118/200 | 118/200 |
| ELECTRICAL DATA | | | | | | |
| Rated Voltage | 110/115 | 220/208-230 | 400/460 | 110/115 | 220/208-230 | 400/460 |
| 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 at 50/60 Hz] | 337/356 | 375/407 | 345/376 | 642/728 | 639/667 | 543/603 |
| Max. Nominal Current [A at 50/60 Hz] | 4.4/3.9 | 2.3/2.1 | 1.2/1.2 | 7.0/7.1 | 4.0/3.5 | 2.0/2.0 |
| Starting Current [A] | 18 | 8.5 | 4.25 | 28 | 14.4 | 7.2 |
| Agency Approvals | | | | UL/cUL Listed CE | | |
| Power Input Description | Terminal Block | | | | | |
| ENCLOSURE PROTECTION | | | | | | |
| UL Type | Type 12 | | | | | |
| IP | IP 54 | | | | | |
| CONTROLLER (...G010 Models) | | | | | | |
| Thermostat Location | Behind Cover, Right Side | | | | | |
| Factory Thermostat Setting (°F/°C) | 80/27 | | | | | |
| CONTROLLER (...G020 Models) | | | | | | |
| Thermostat Location | Ambient Side | | | | | |
| Factory Thermostat Setting (°F/°C) | 80/27 | | | | | |
| SOUND LEVEL | | | | | | |
| At 1.5 Meters | 65.0 dBA | | | | | |
| UNIT CONSTRUCTION | | | | | | |
| Material | Galvanized sheet metal standard | | | | | |
| Finish | RAL 7035 light-gray, semi-textured powder-coat paint standard Other colors available | | | | | |
| ACCESSORIES | | | | | | |
| EASYSWAP Adaptor Plenum (GENESIS™ M13) | Enables SPECTRACOOL to be mounted to a GENESIS M13 air conditioner cutout Catalog Number PLM13N17 NOTE: EASYSWAP adaptor plenum not required for M17. It is the same cutout as N17. | | | | | |
| UNIT DIMENSIONS | | | | | | |
| Height (in./mm) | 17.64/448.1 | 17.64/448.1 | 22.14/562.4 | 17.64/448.1 | 17.64/448.1 | 22.14/562.4 |
| Width (in./mm) | 12.0/304.8 | 12.0/304.8 | 12.0/304.8 | 12.0/304.8 | 12.0/304.8 | 12.0/304.8 |
| Depth (in./mm) | 8.4/213.4 | 8.4/213.4 | 8.4/213.4 | 8.4/213.4 | 8.4/213.4 | 8.4/213.4 |
| Weight (lb./kg) | 50/23 | 50/23 | 66/30 | 54/25 | 54/25 | 73/33 |

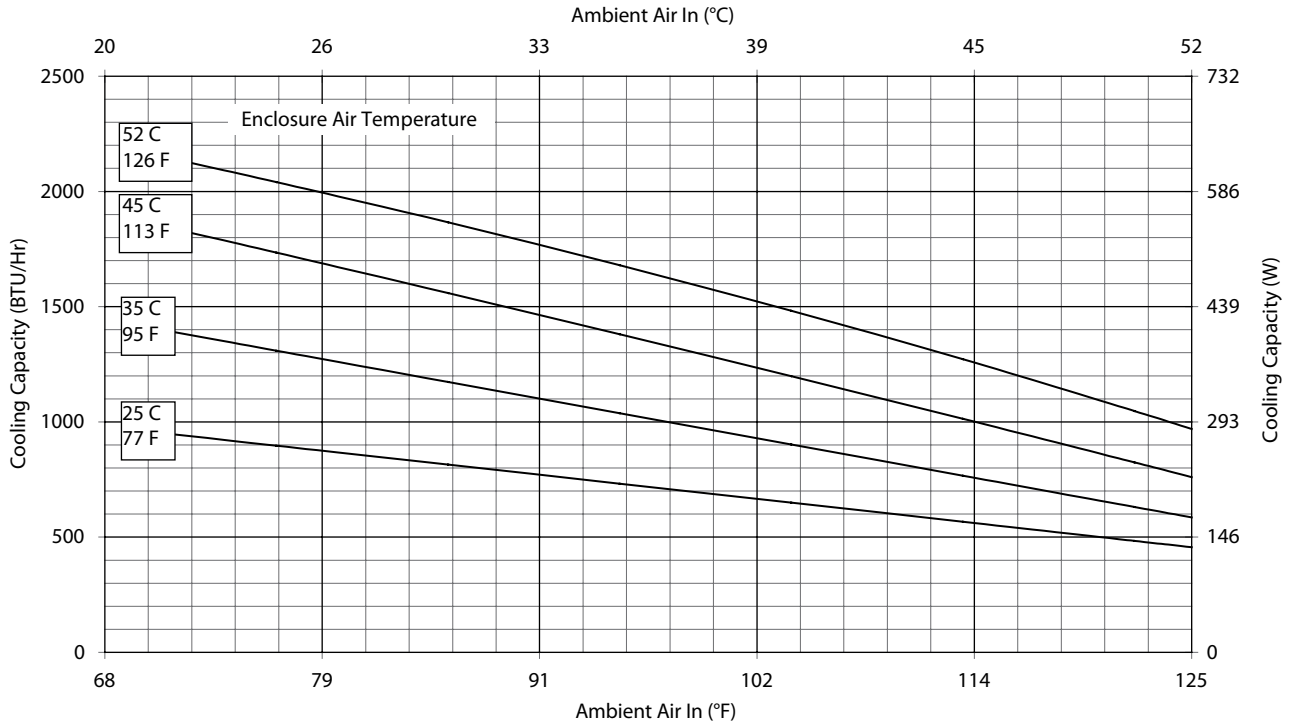
*Units with Remote Access Control utilize a digital controller and communicate via SNMP over ethernet or modbus RTU over USB.

Performance Curves for N17 Models 1000 BTU/Hr. (293 Watt)

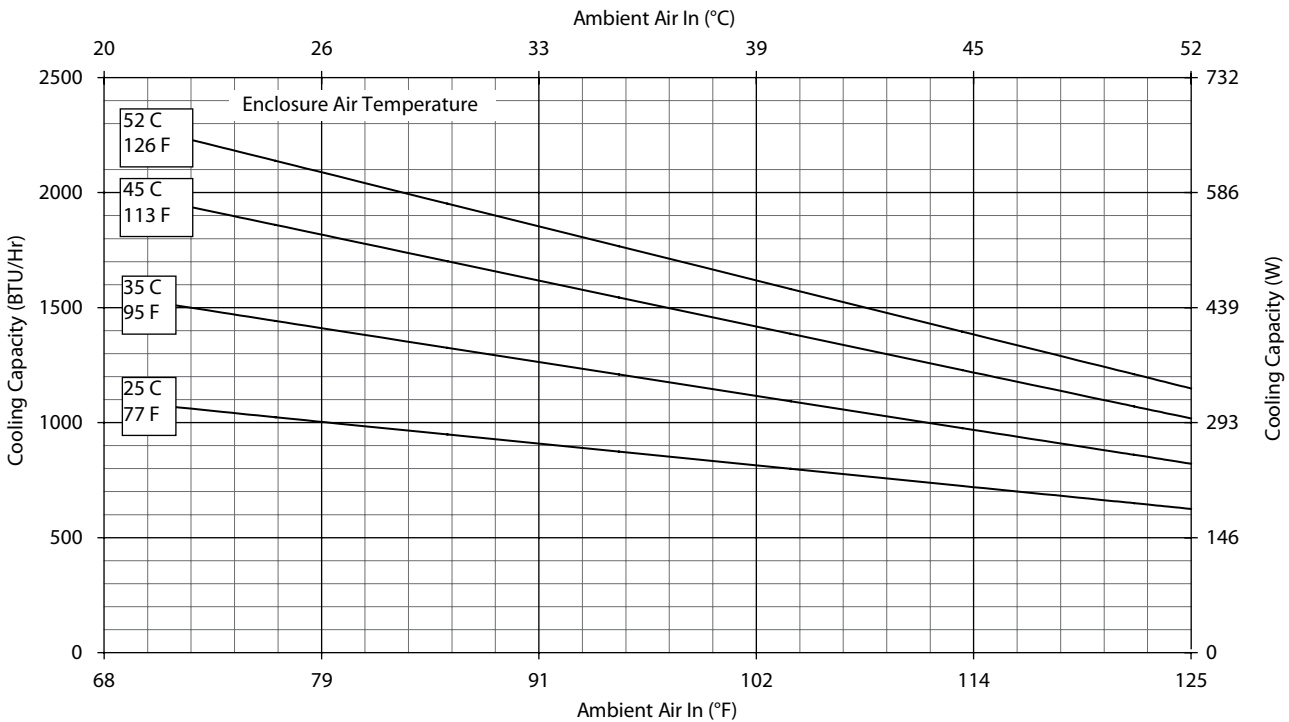


Performance Curves for N17 Models 1000/2000 BTU/Hr. (293/585 Watt)

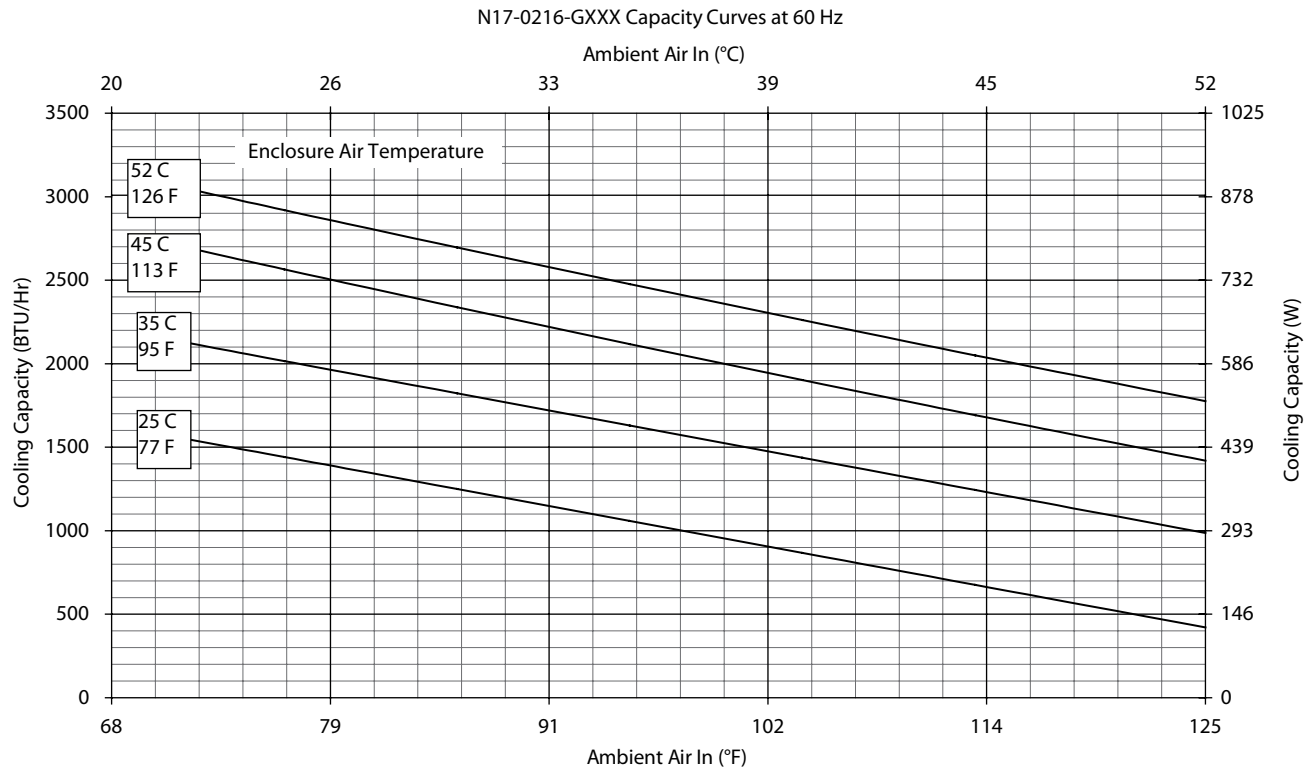
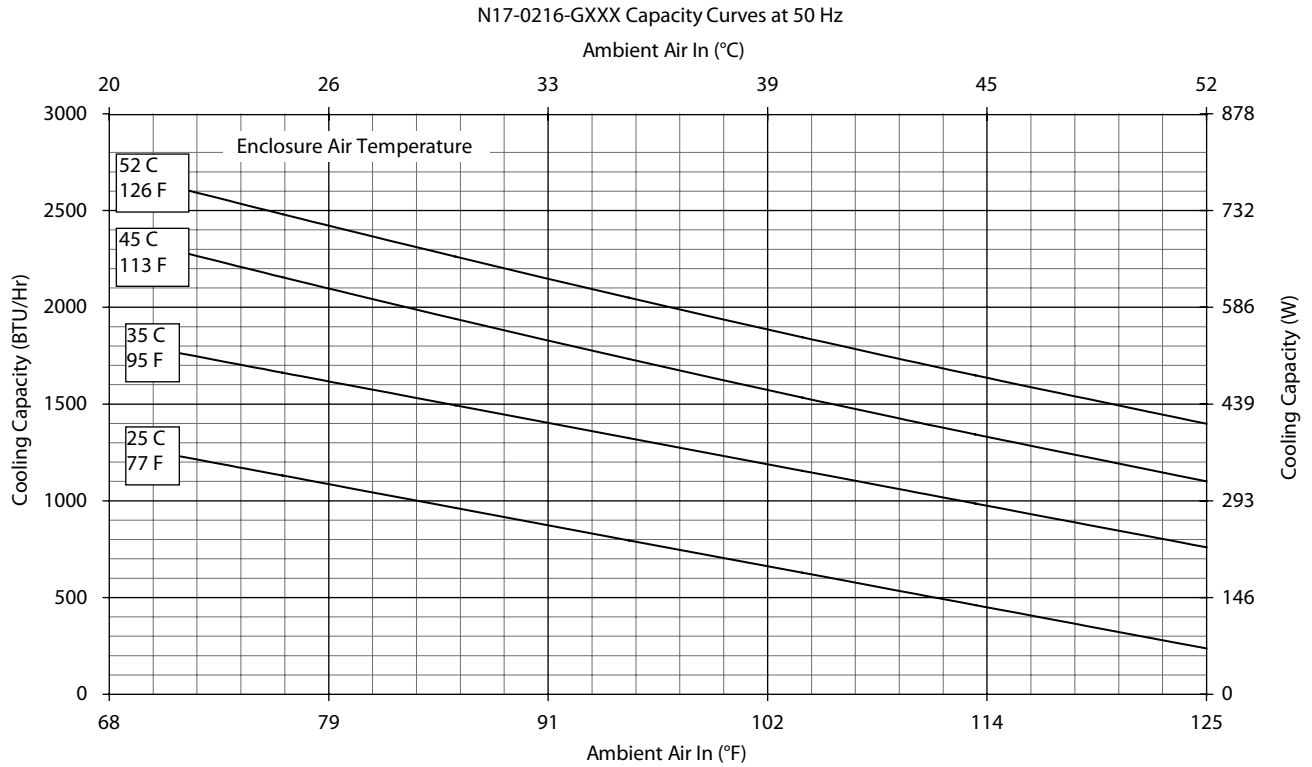
N17-01(2/4)6-GXXX Capacity Curves at 50 Hz



N17-01(2/4)6-GXXX Capacity Curves at 60 Hz

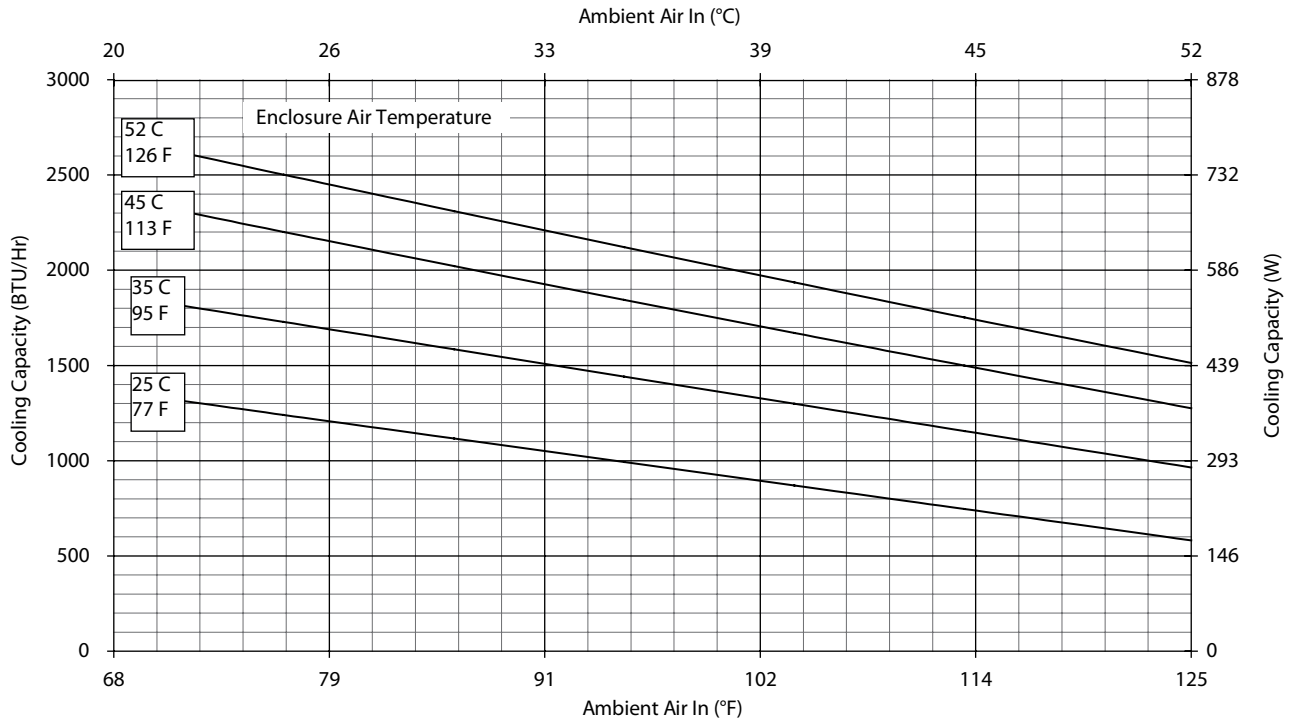


Performance Curves for N17 Models 1000 BTU/Hr. (293 Watt)

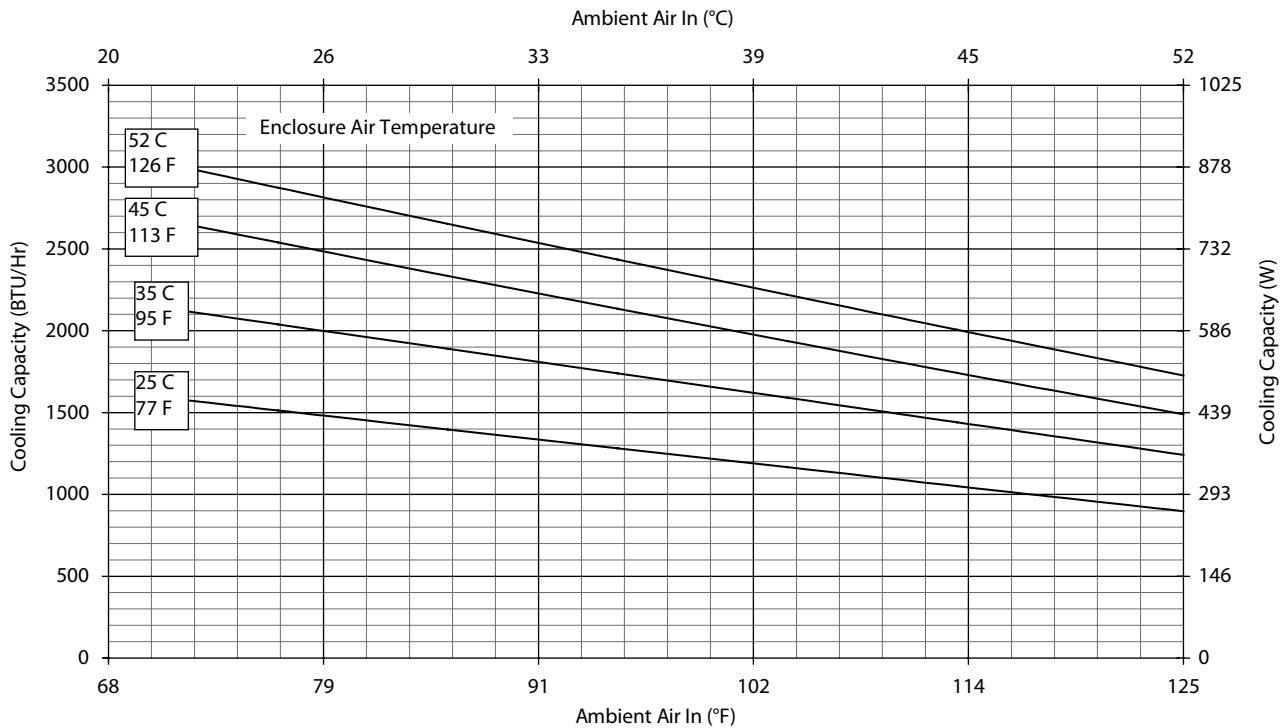


Performance Curves for N17 Models 1000/2000 BTU/Hr. (293/585 Watt)

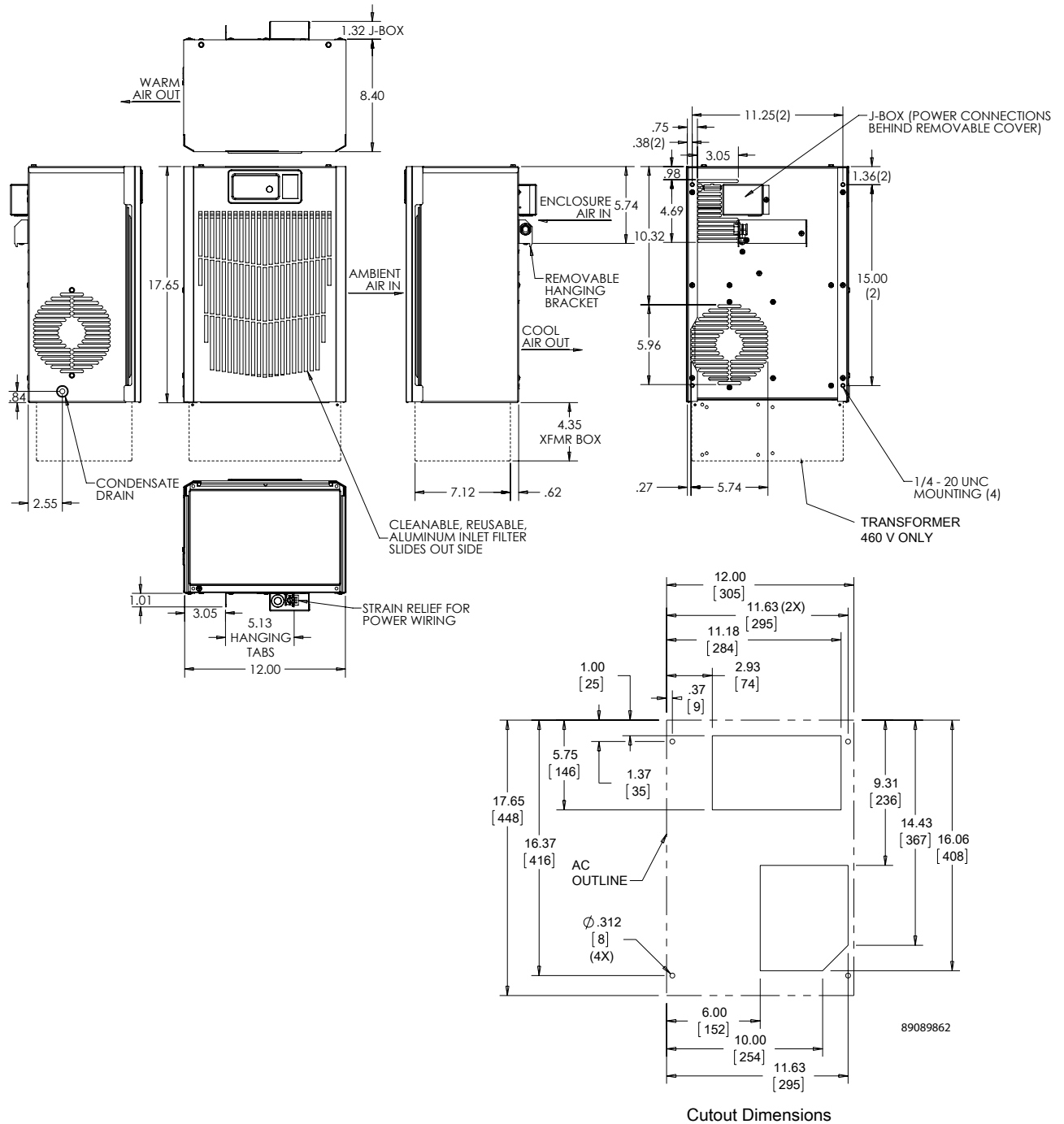
N17-02(2/4)6-GXXX Capacity Curves at 50 Hz



N17-02(2/4)6-GXXX Capacity Curves at 60 Hz



N17 Models 1000/1800 BTU/Hr. (300/527 Watt)



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