

SPECTRACOOL COMPACT INDOOR

INDUSTRY STANDARDS

UL/cUL Listed; Type 12; File No. SA6453 for N17

CE
 IP 54 Internal Loop
 IP 34 External Loop
 EAC
 Telcordia GR-487 capable
 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 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:
 - 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

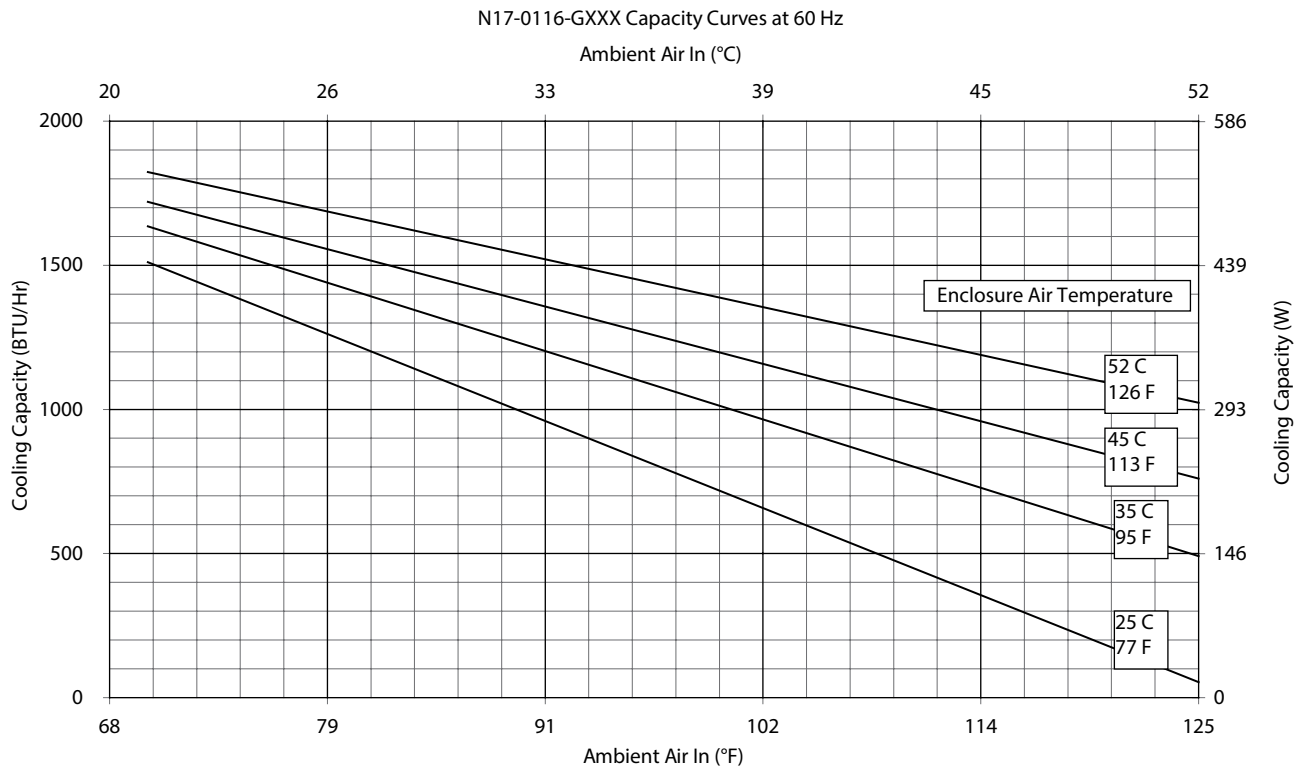
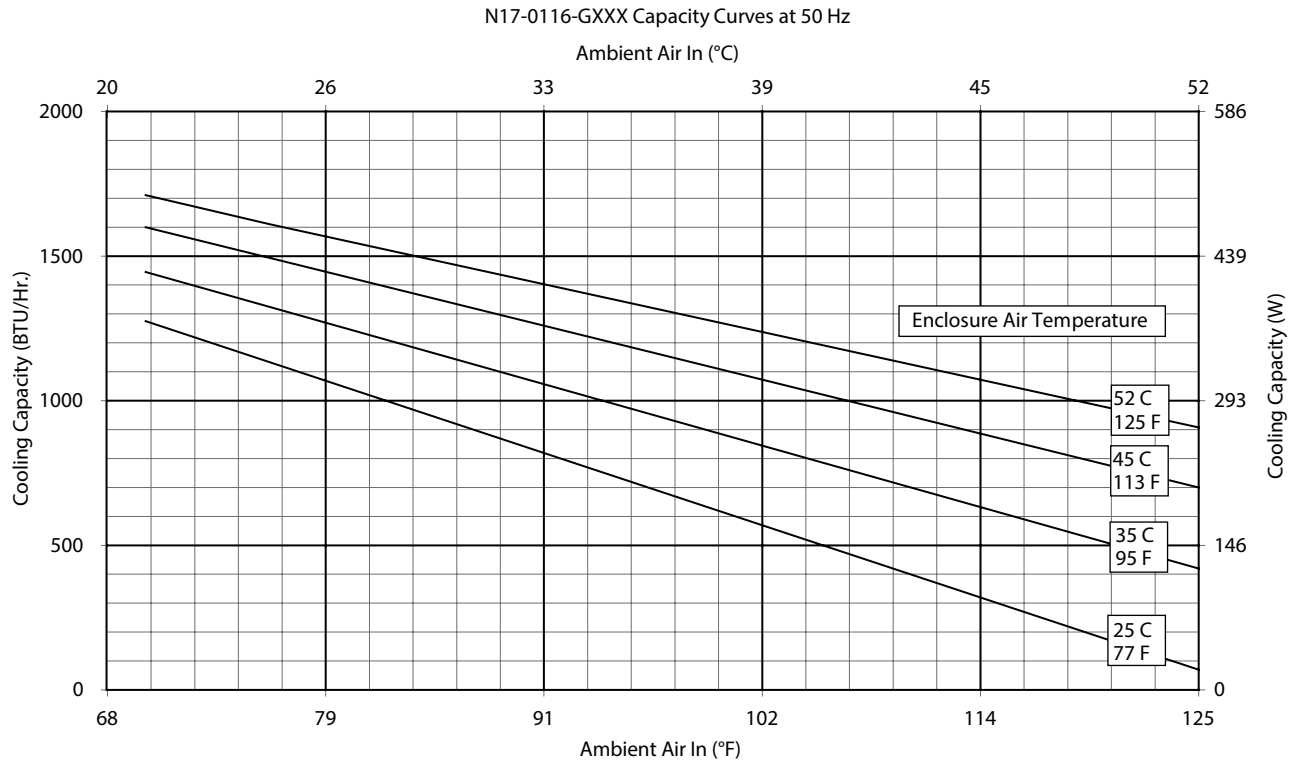
- RAL 7035 light-gray, semi-textured powder-coat paint
- Other colors and textures available

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)	6.5/184	5/142	5/142	5.5/156	5.4/154	5.4/154
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	345/376	375/407	642/728	639/667	543/603
Max. Nominal Current (A at 50/60 Hz)	4.4/3.9	1.2/1.2	2.3/2.1	7.0/7.1	4.0/3.5	2.0/2.0
Starting Current (A)	18	4.25	8.5	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 Internal Loop IP 34 External Loop					
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 SPECTRACOOOL 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	22.14/562.4	17.64/448.1	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	66/30	50/23	54/25	54/25	73/33

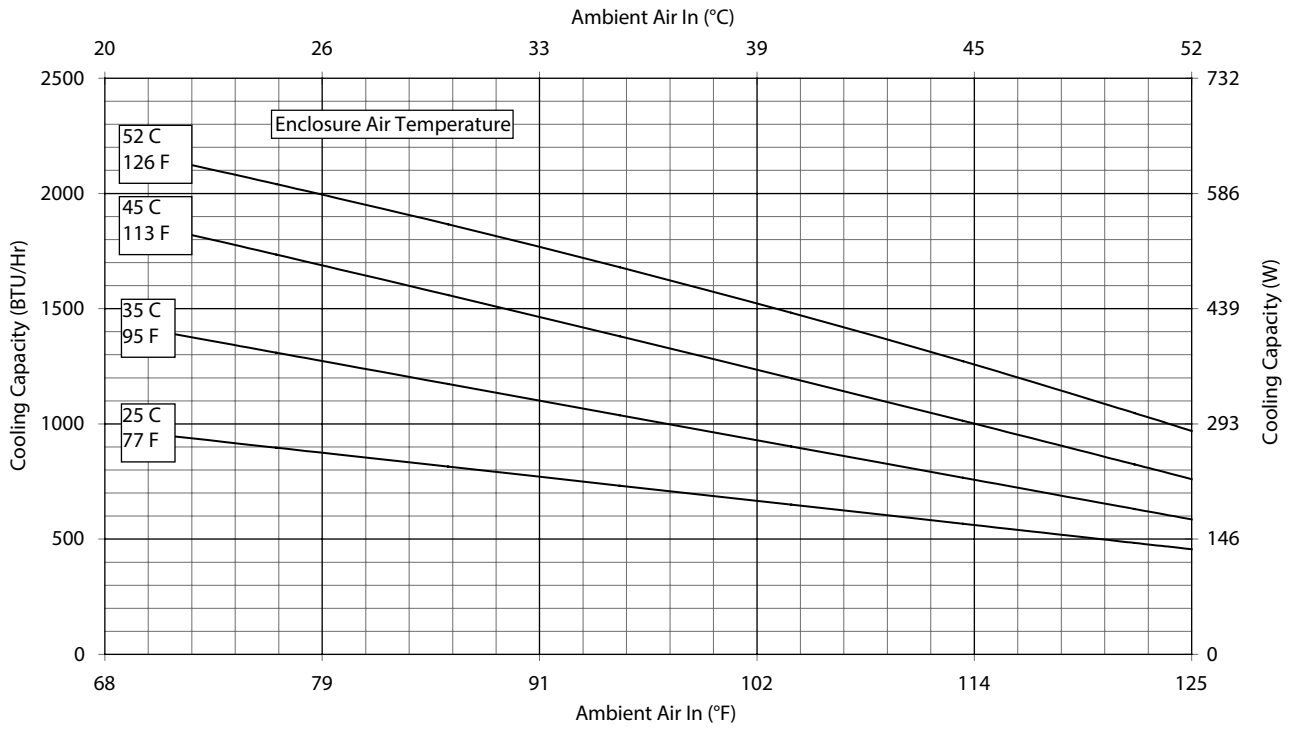
*Units with Remote Access Control utilize a digital controller and communicate via EtherNet/IP, Profinet, Modbus TCP/IP and SNMP over ethernet or modbus RTU over USB.

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

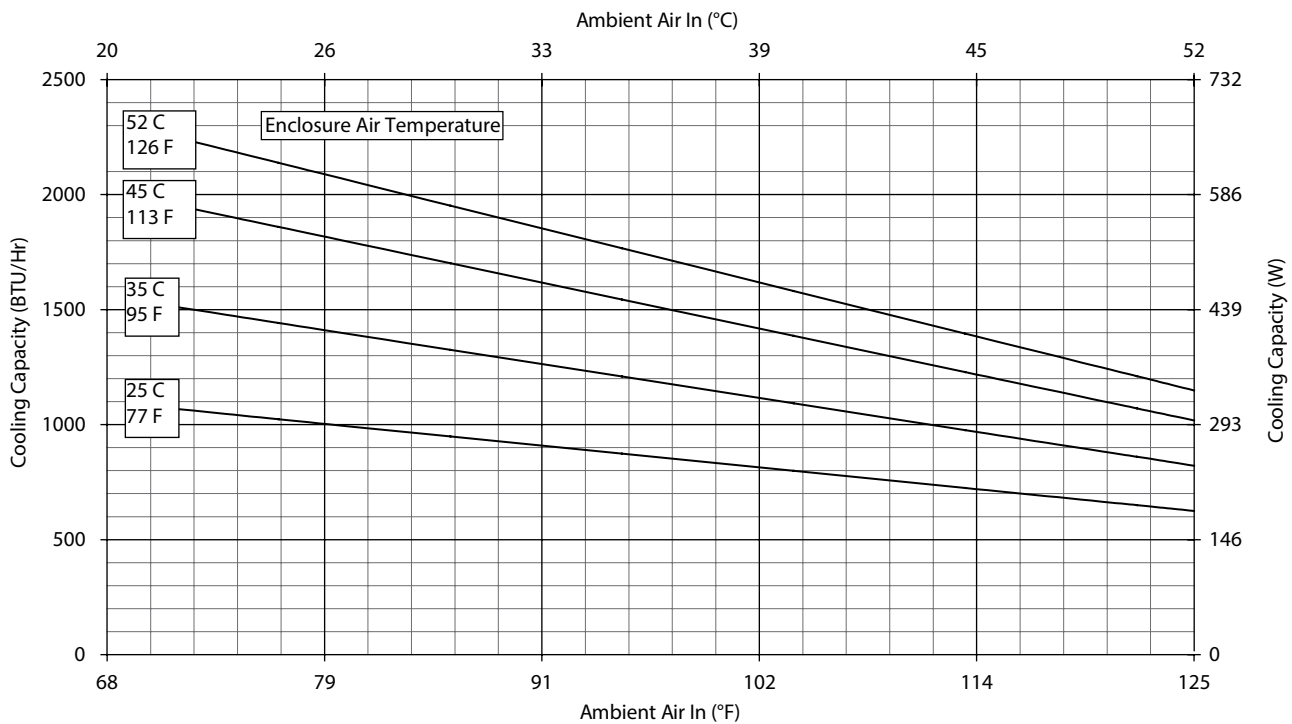


Performance Curves for N17 Models 1000 BTU/Hr. (293 Watt)

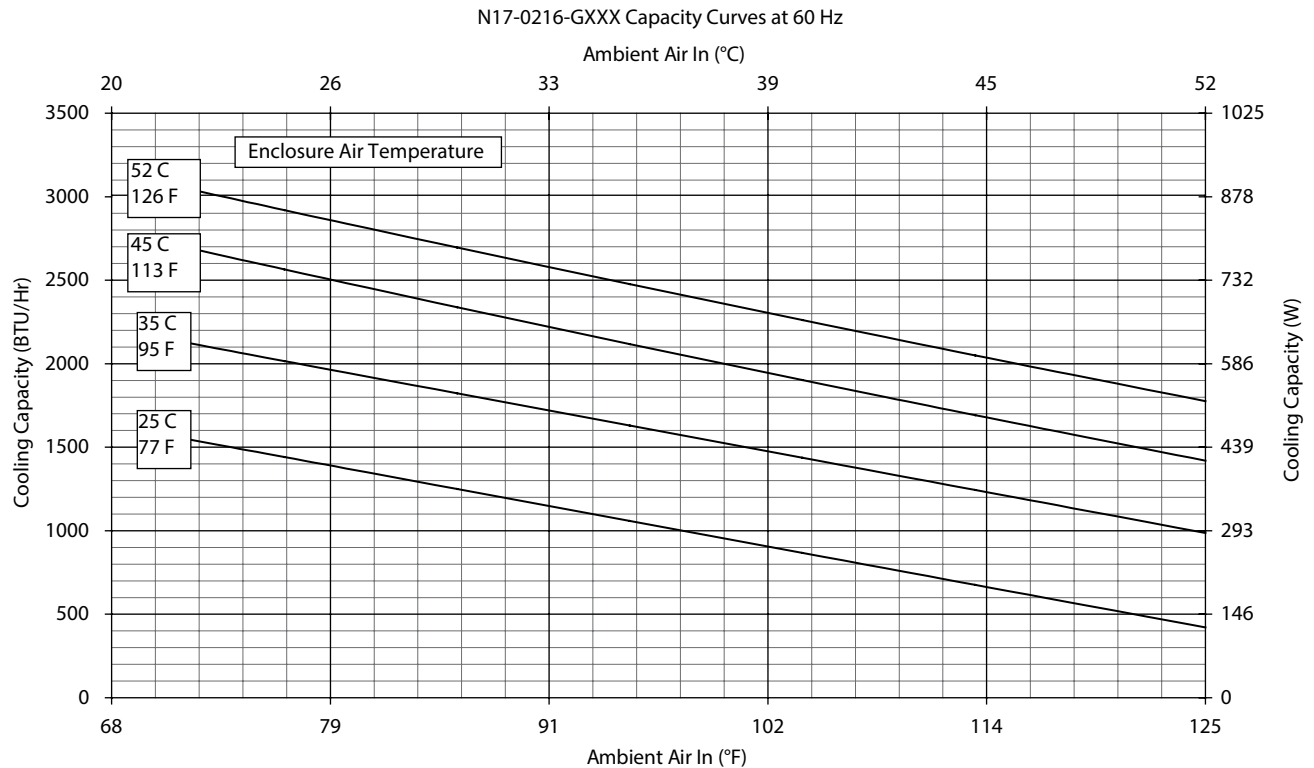
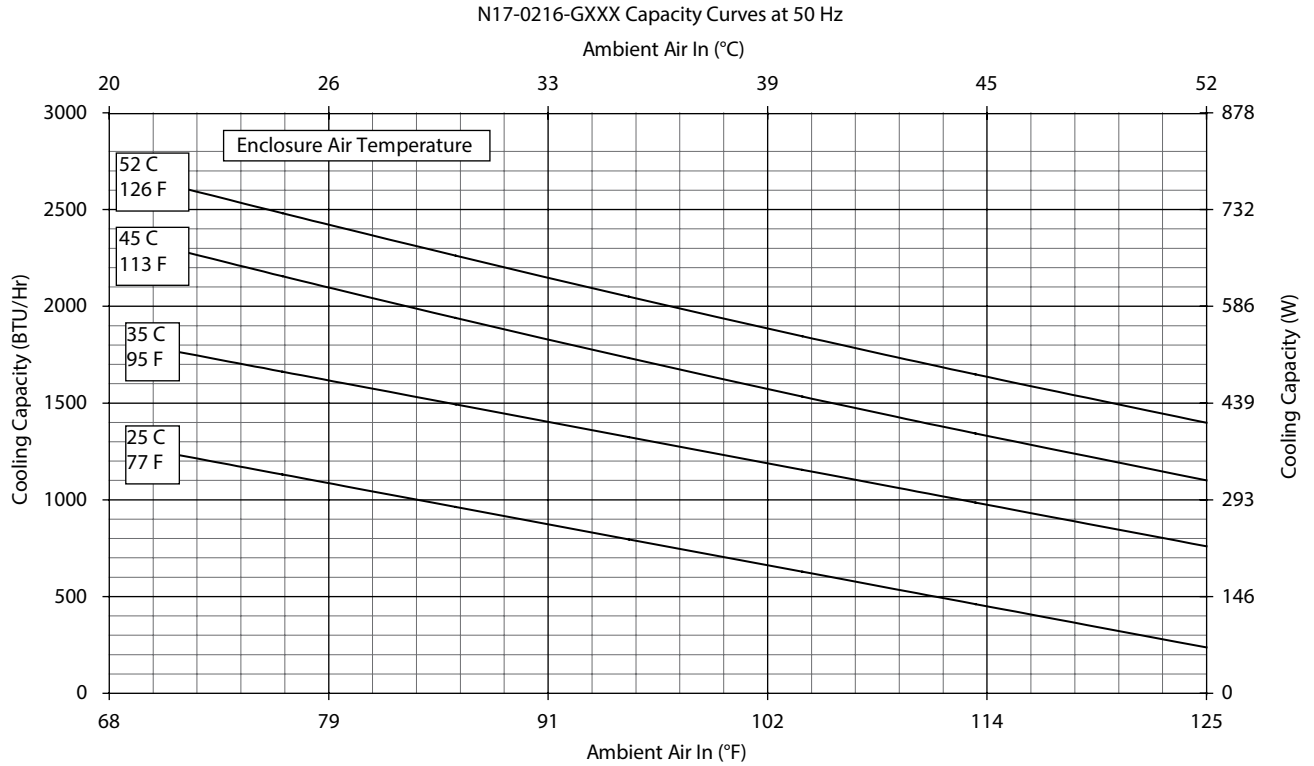
N17-01(2/4)6-GXXX Capacity Curves at 50 Hz



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

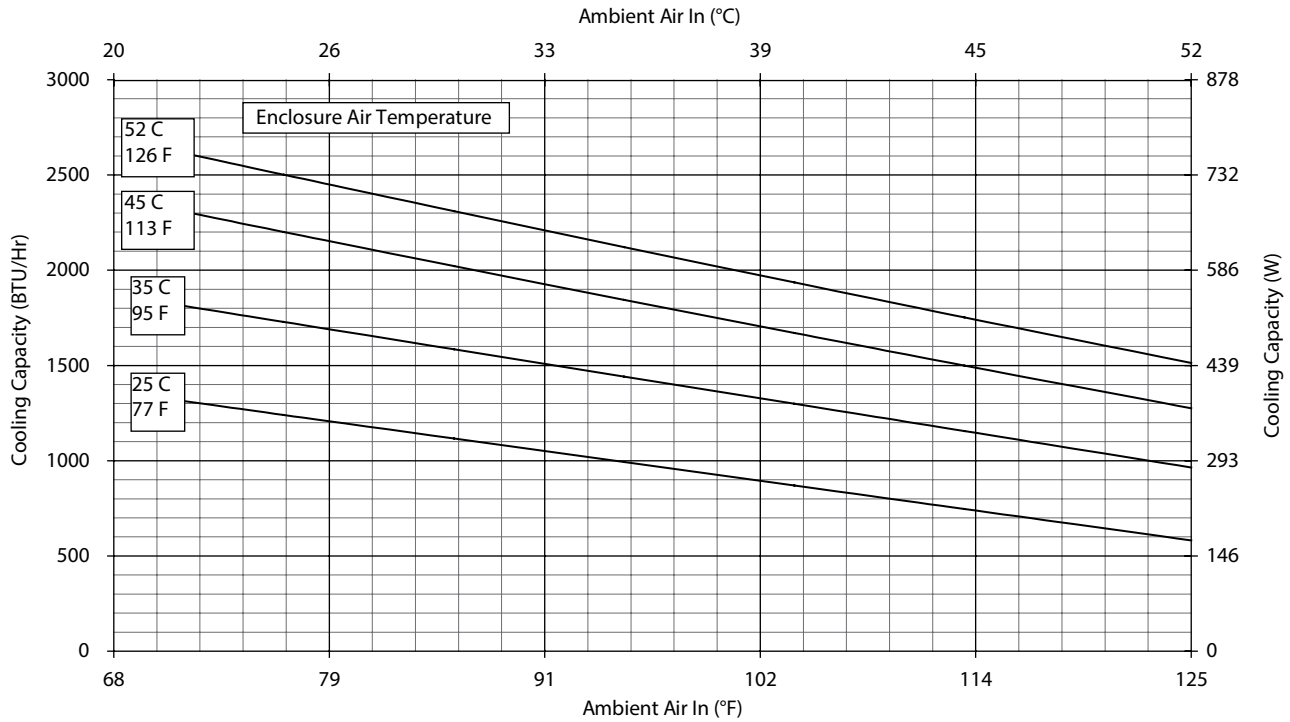


Performance Curves for N17 Models 1800 BTU/Hr. (528 Watt)

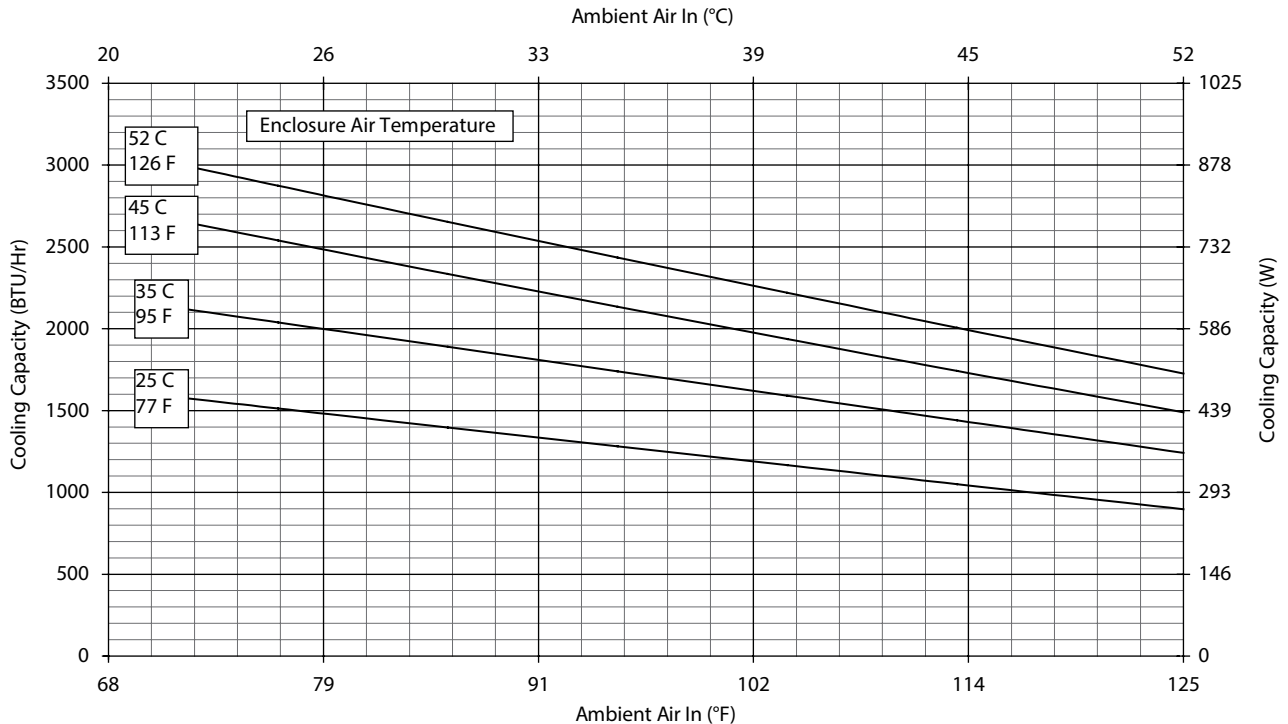


Performance Curves for N17 Models 1800 BTU/Hr. (528 Watt)

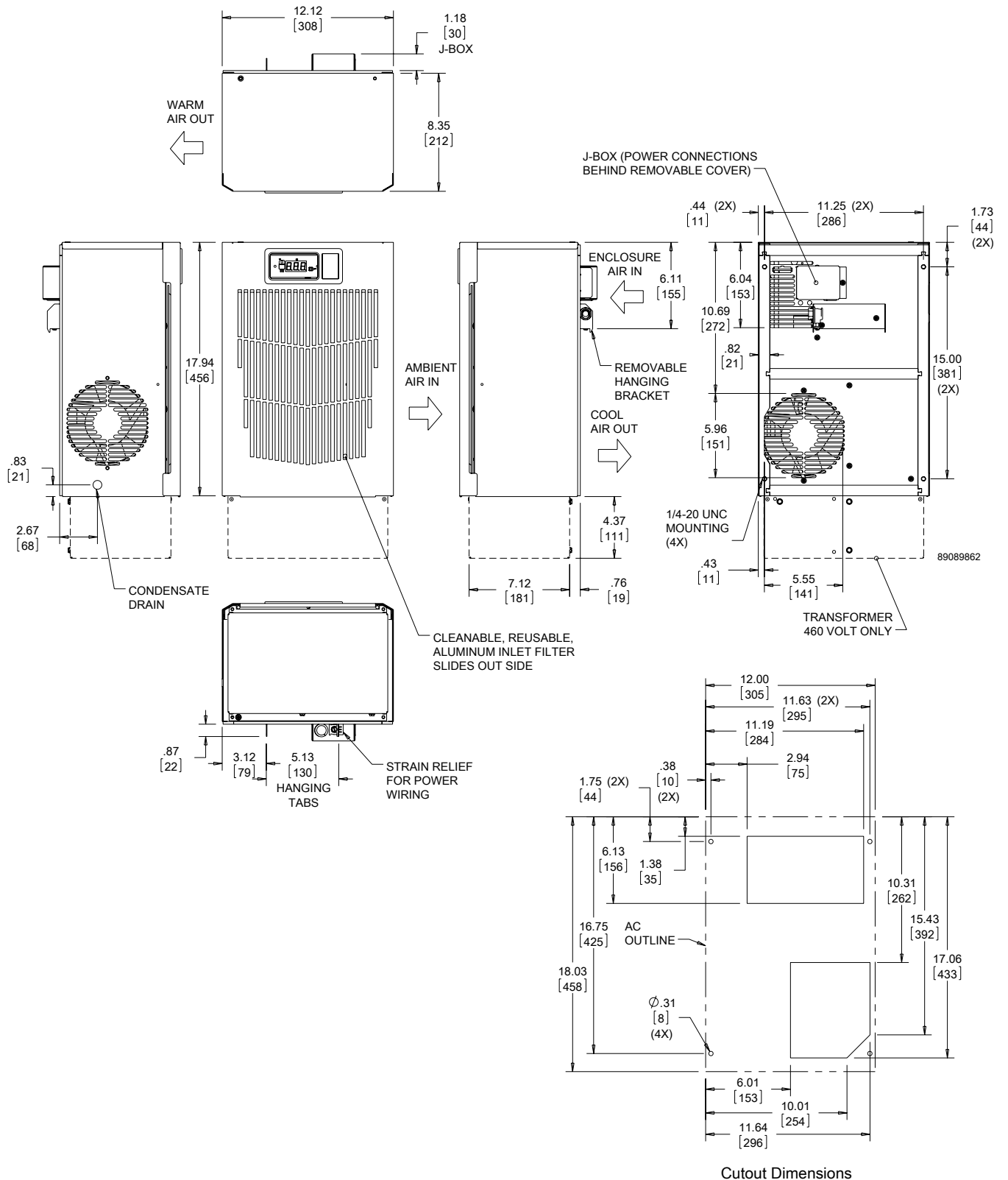
N17-02(2/4)6-GXXX Capacity Curves at 50 Hz



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



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



Visit www.nVent.com/HOFFMAN to download 2D and 3D CAD drawings into the overall design of your electrical system.

Notes