SPECTRACOOL COMPACT INDOOR

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

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

N17 460 Volt
1800 BTU/Hr.
527 Watt

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

INDUSTRY STANDARDS

UL/cUL Listed; Type 12; File No. SA6453 for N17
UL/cUL Listed; Type 12, 3R, 4, 4X optional; File No. SA6453 and UR/cUR Recognized on select models for N16 and N21

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:
  N16 800 BTU/Hr. (234 W)
  N17 1000 BTU/Hr. (293 W)
  N17 1800 BTU/Hr. (527 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

NOTES

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

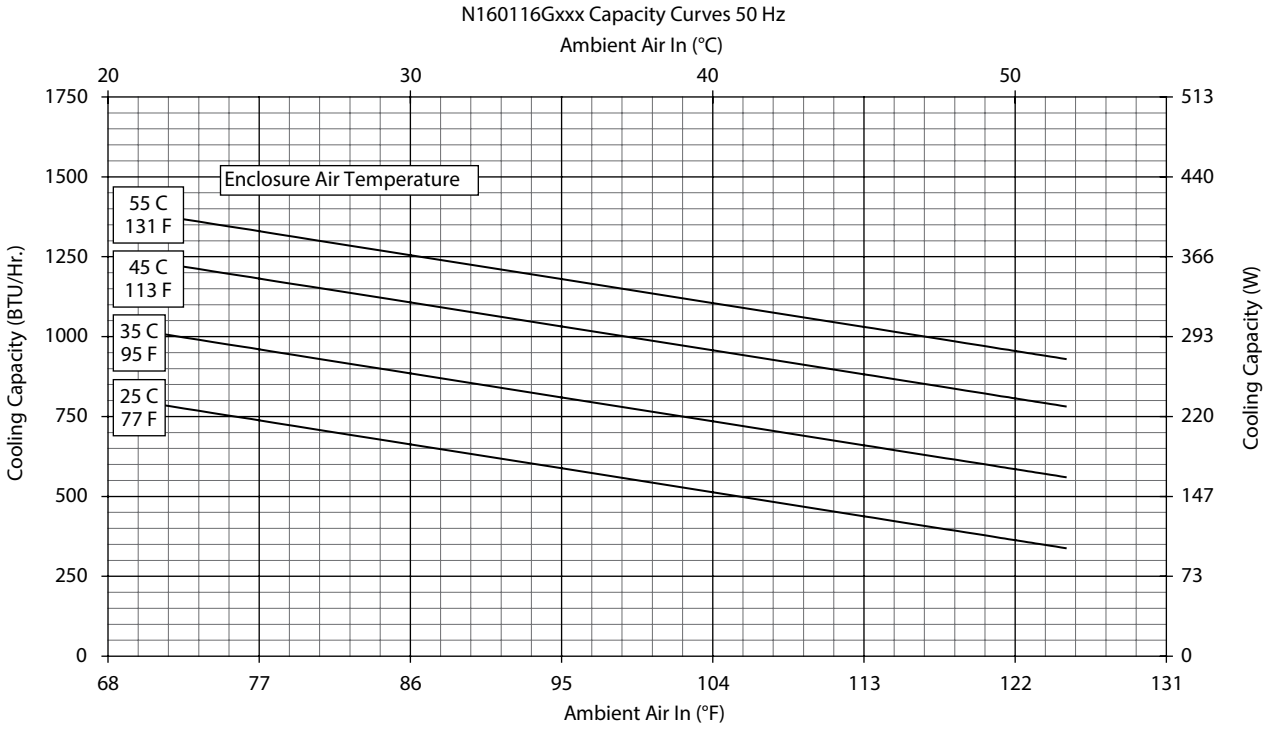
EtherNet/IP ODVA PI PROFIBUS • PROFINET

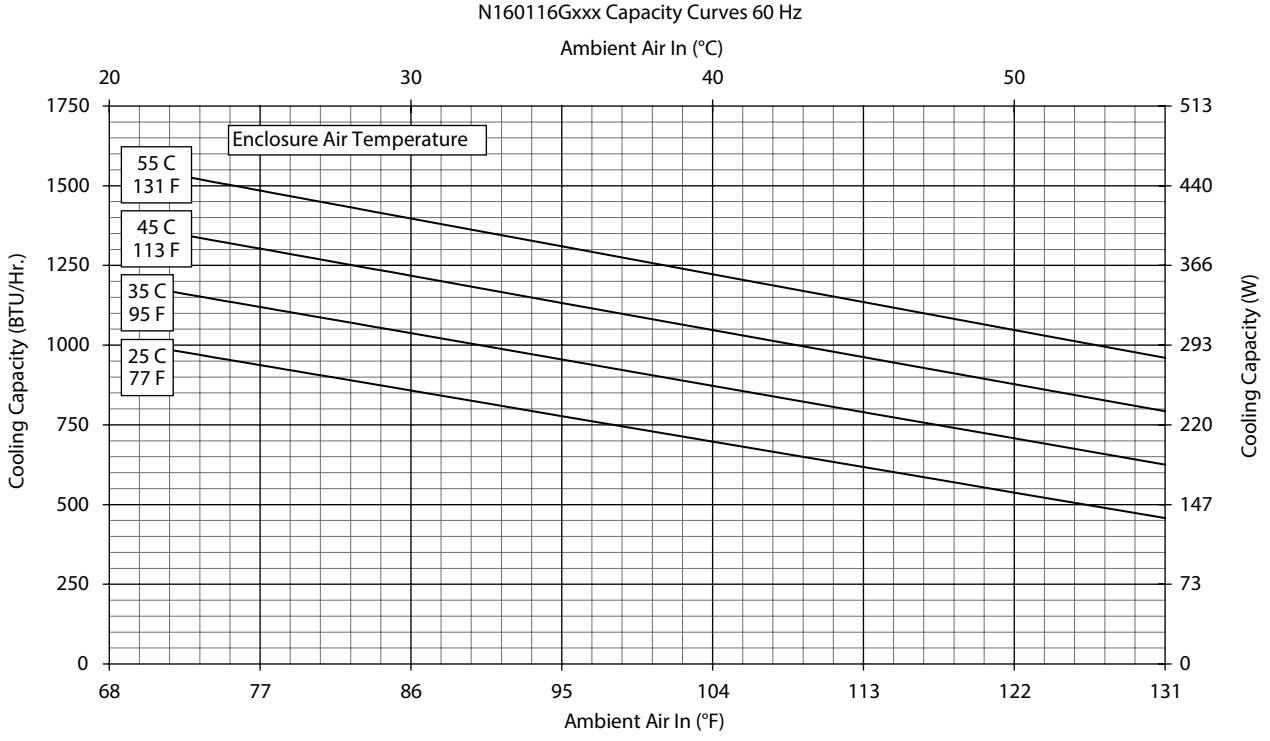
Performance Data **N16 800 BTU/Hr. (234 Watt) Models**

CATALOG NUMBER		
Indoor Model	N160116G050	N160126G050
Indoor Model Stainless Steel Type 4X	N160116G051	N160126G051
Indoor Model with Remote Access Control*	N160116G060	N160126G060
COOLING PERFORMANCE		
Nominal:		
BTU/Hr.	**800/800**	**800/900**
Watts	**235/235**	**235/264**
At 131 F/131 F (55 C/55 C):		
BTU/Hr. (50/60 Hz)	819	920/960
W (50/60 Hz)	240	270/281
At 95 F/95 F (35 C/35 C):		
BTU/Hr. (50 /60 Hz)	948	810/955
W (50/60 Hz)	278	237/280
Refrigerant	R-134A	R-134A
Refrigerant Charge (ounces/grams)	4/113	3.8/107
Operating Temperature Range:		
Maximum (ºF/ºC)	131/55	125/131/52/55
Minimum (ºF/ºC)	-40/-40	-40/-40
Airflow at 0 Static Pressure:		
Internal loop 50 Hz (CFM / m^3/hr.)	25/42	25/42
External loop 50 Hz (CFM / m^3/hr.)	48/82	48/82
Internal loop 60 Hz (CFM / m^3/hr.)	30/51	30/51
External loop 60 Hz (CFM / m^3/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 CE EAC Others available upon request	
Power Input Description	Terminal Block	Terminal Block
ENCLOSURE PROTECTION		
UL Type	Type 12, 3R, 4 standard Type 4X Stainless steel optional	
CONTROLLER		
Description	Basic mechanical thermostat	
Thermostat Location	Enclosure behind front panel	
Factory Thermostat Setting (ºF/ºC)	80/27	
SOUND LEVEL		
At 1.5 Meters	63 dB(A)	
UNIT CONSTRUCTION		
Material	Galvanized sheet metal standard 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)





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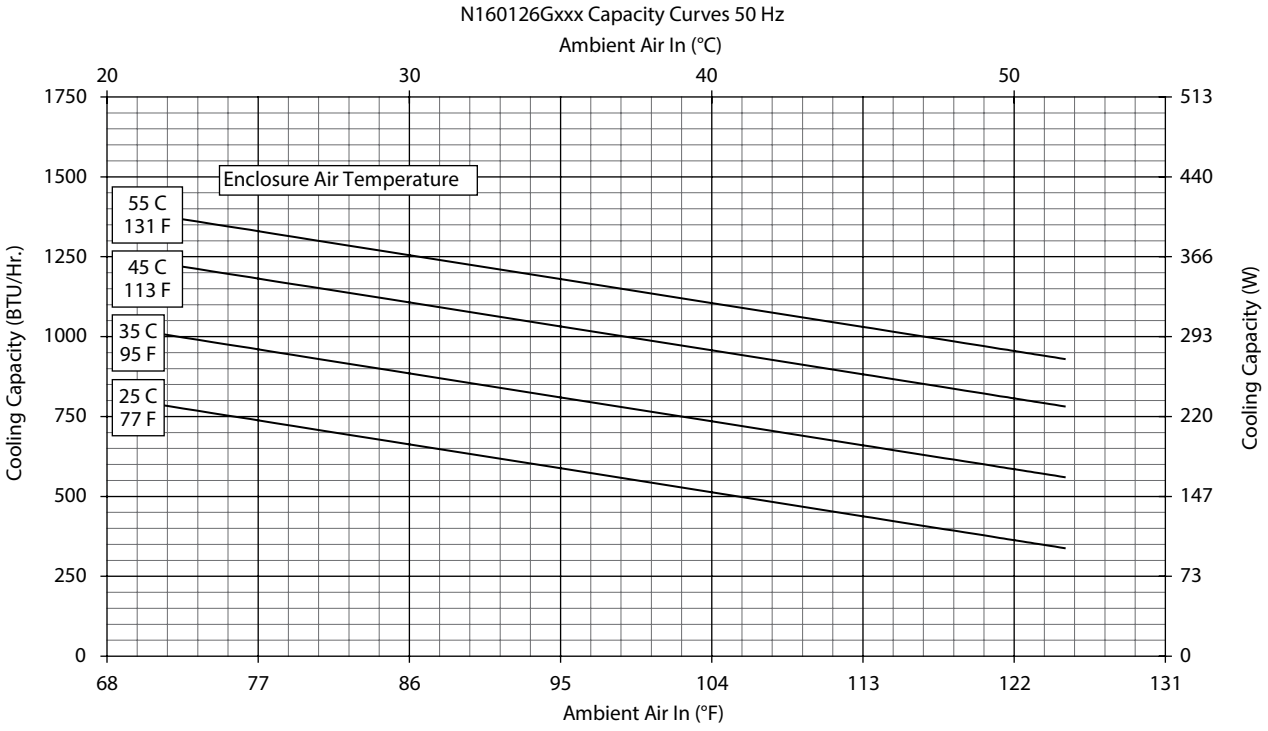
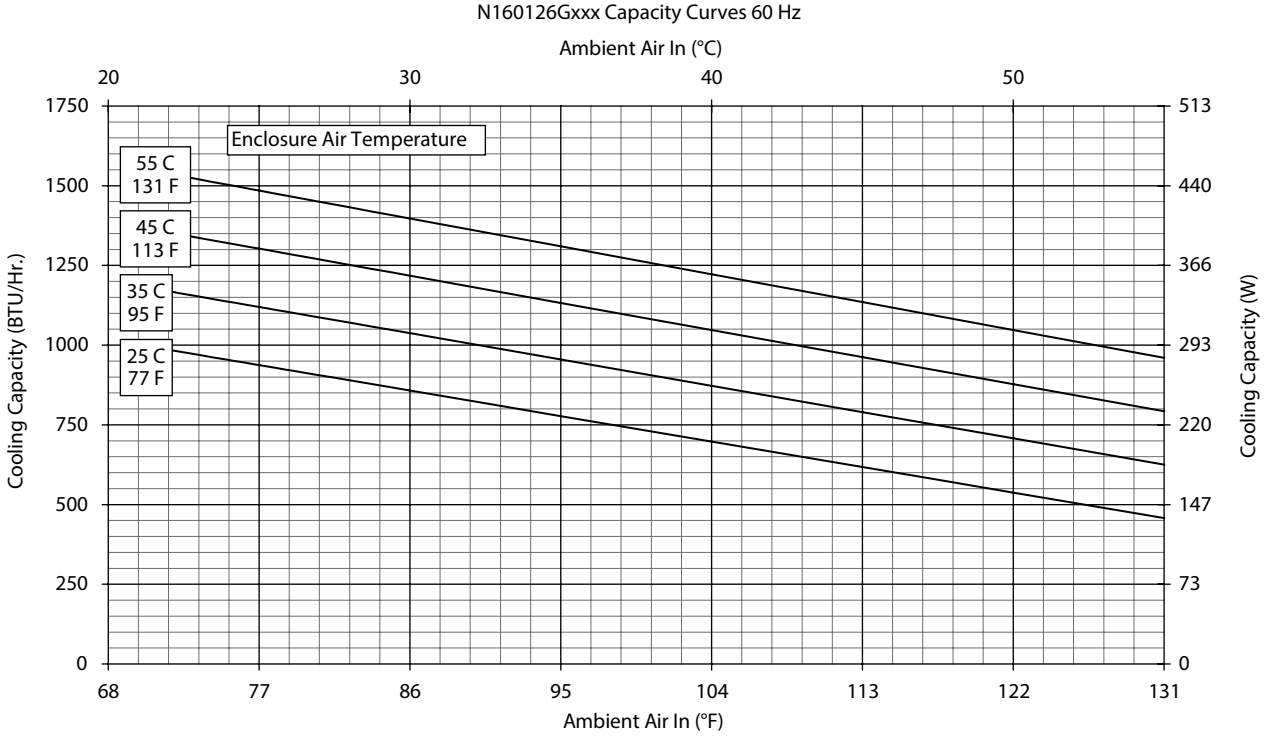
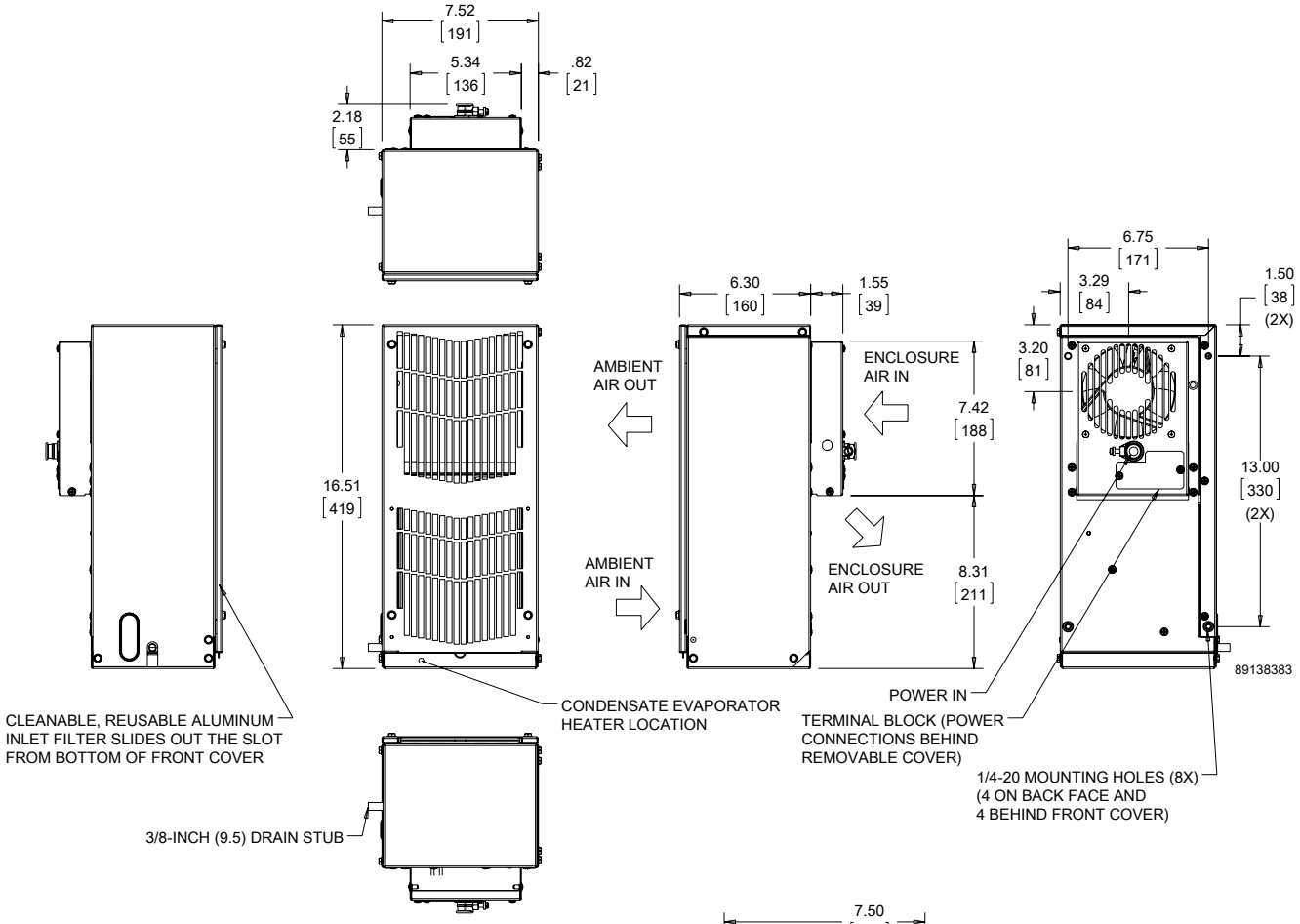
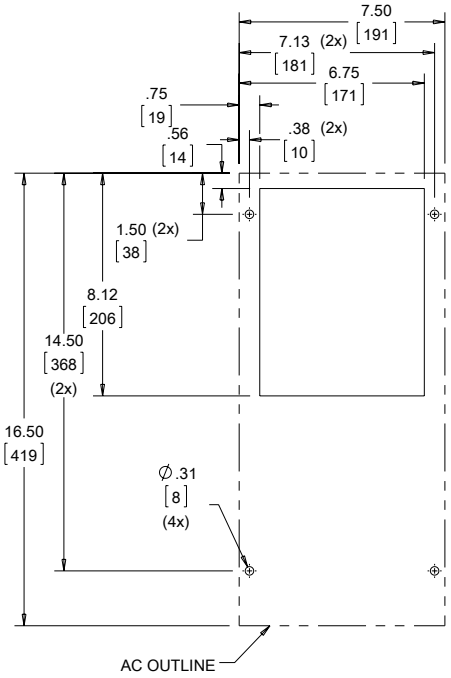


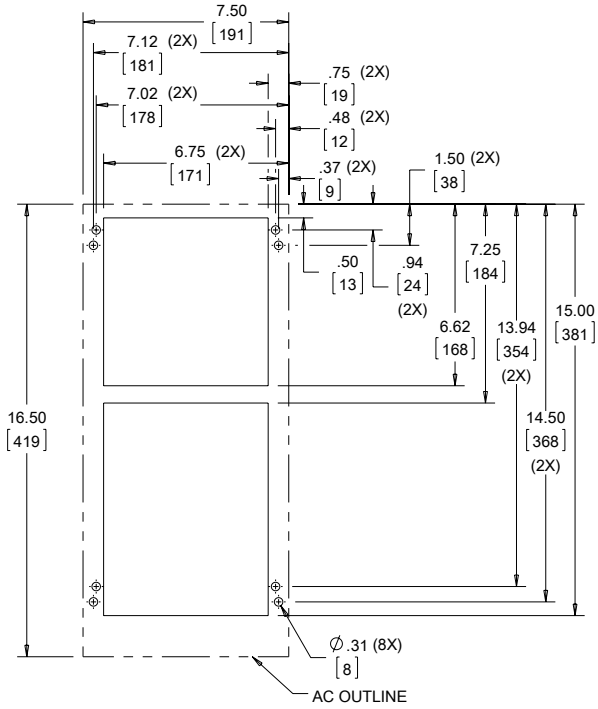


N16 800 BTU/Hr. (234 Watt)





Cutout Dimensions (Externally Mounted)



Cutout Dimensions (Internally Mounted)

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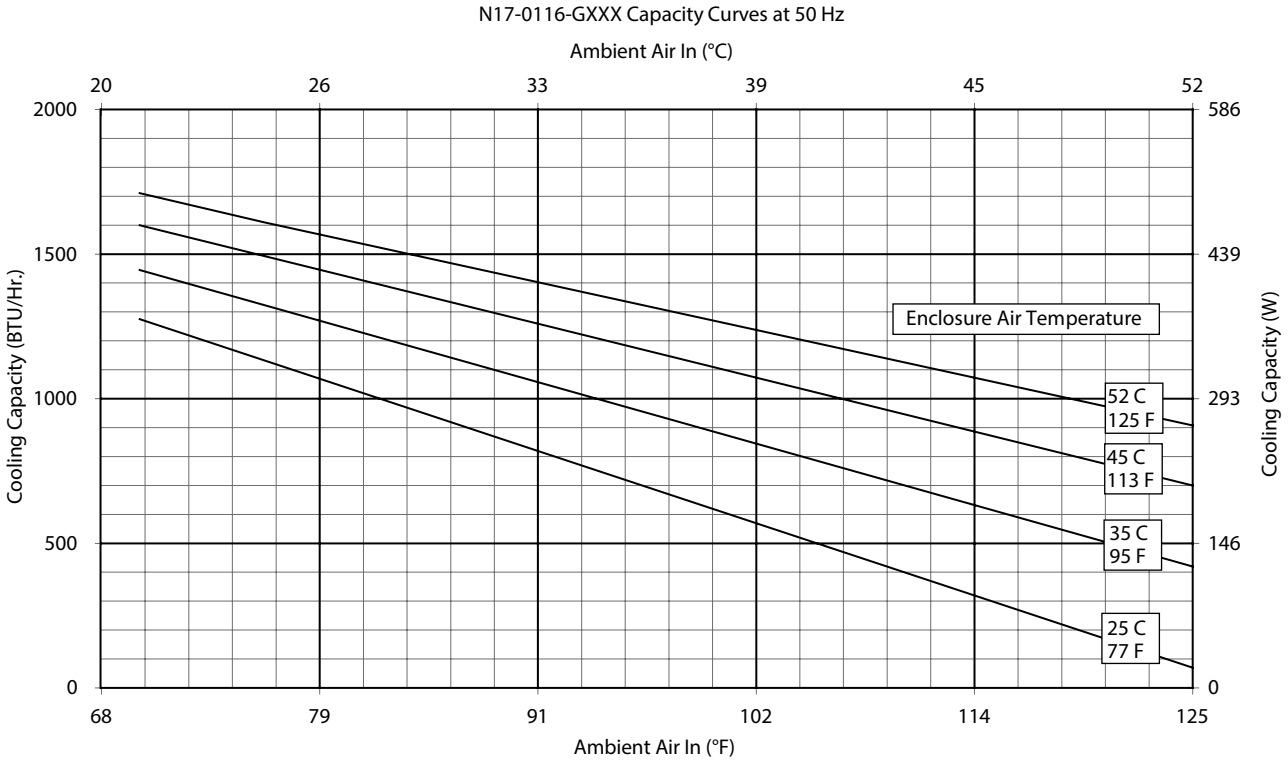
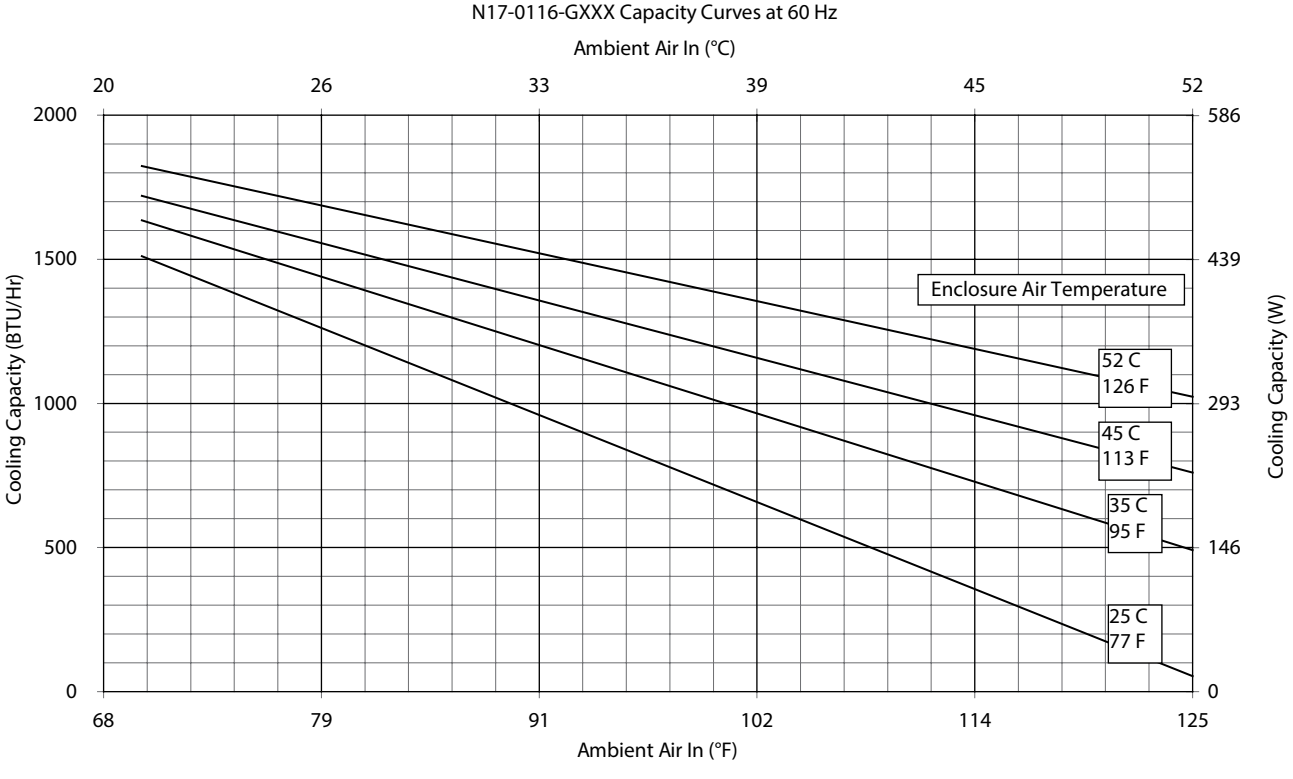
Performance Data **N17 Models 1000/1800 BTU/Hr. (300/527 Watt)**

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	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 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	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

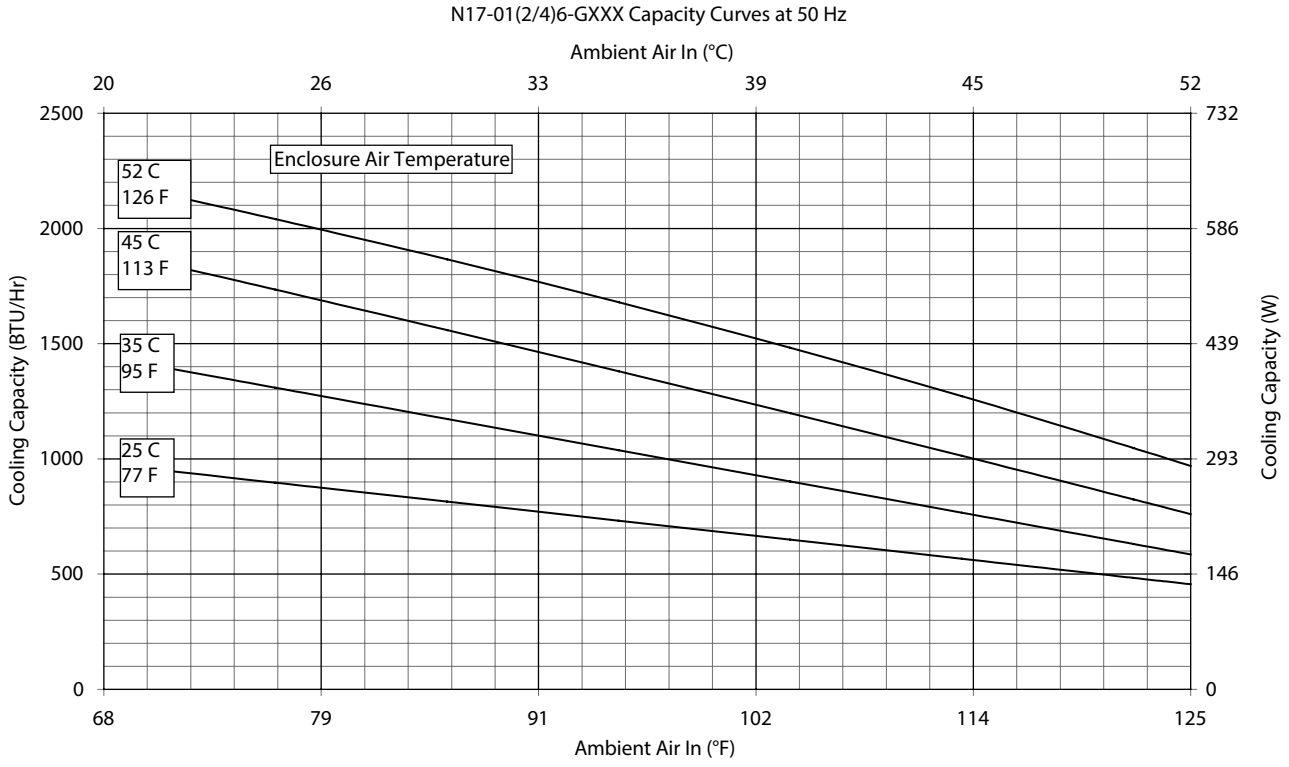
*Units with Remote Access Control utilize a digital controller and communicate via EtherNet/IP, Profinet, Modbus TCP/IP and SNMP over ethernet or modbus RTU over USB.

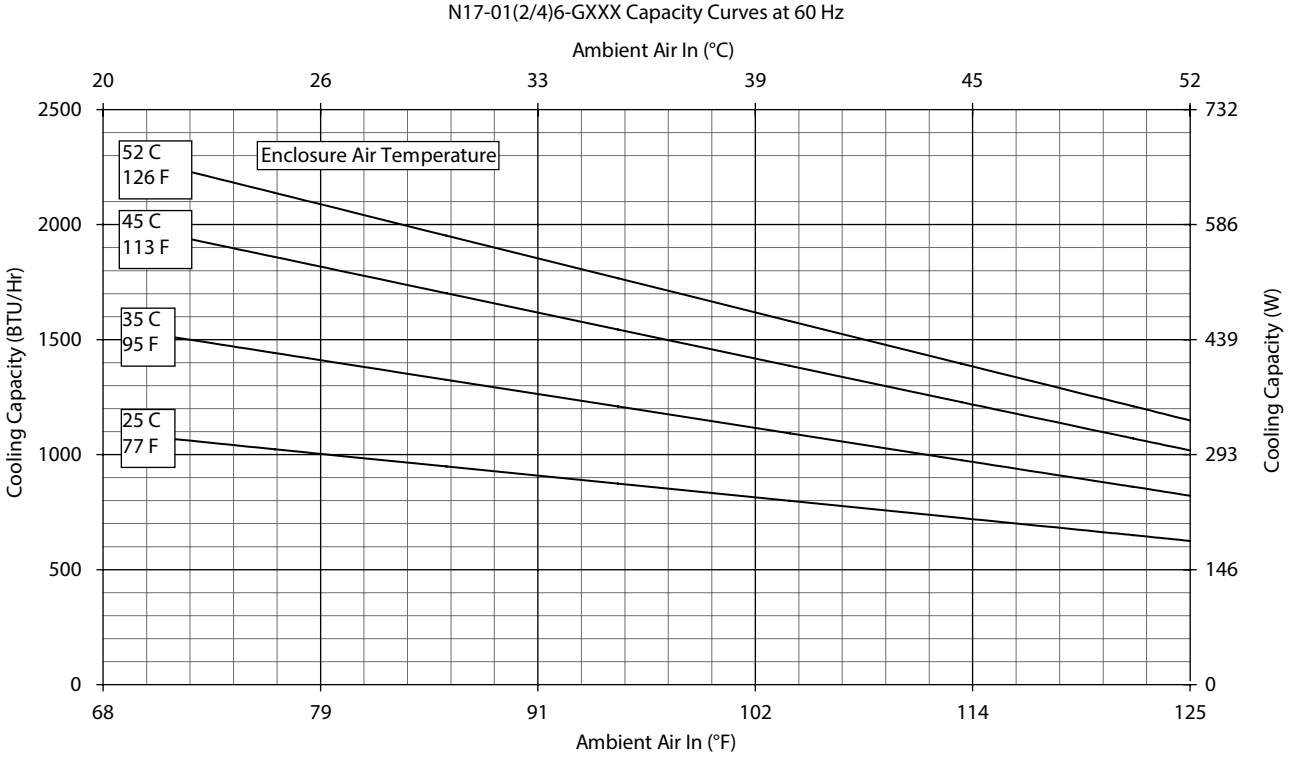
Performance Curves for N17 Models 1000 BTU/Hr. (293 Watt)



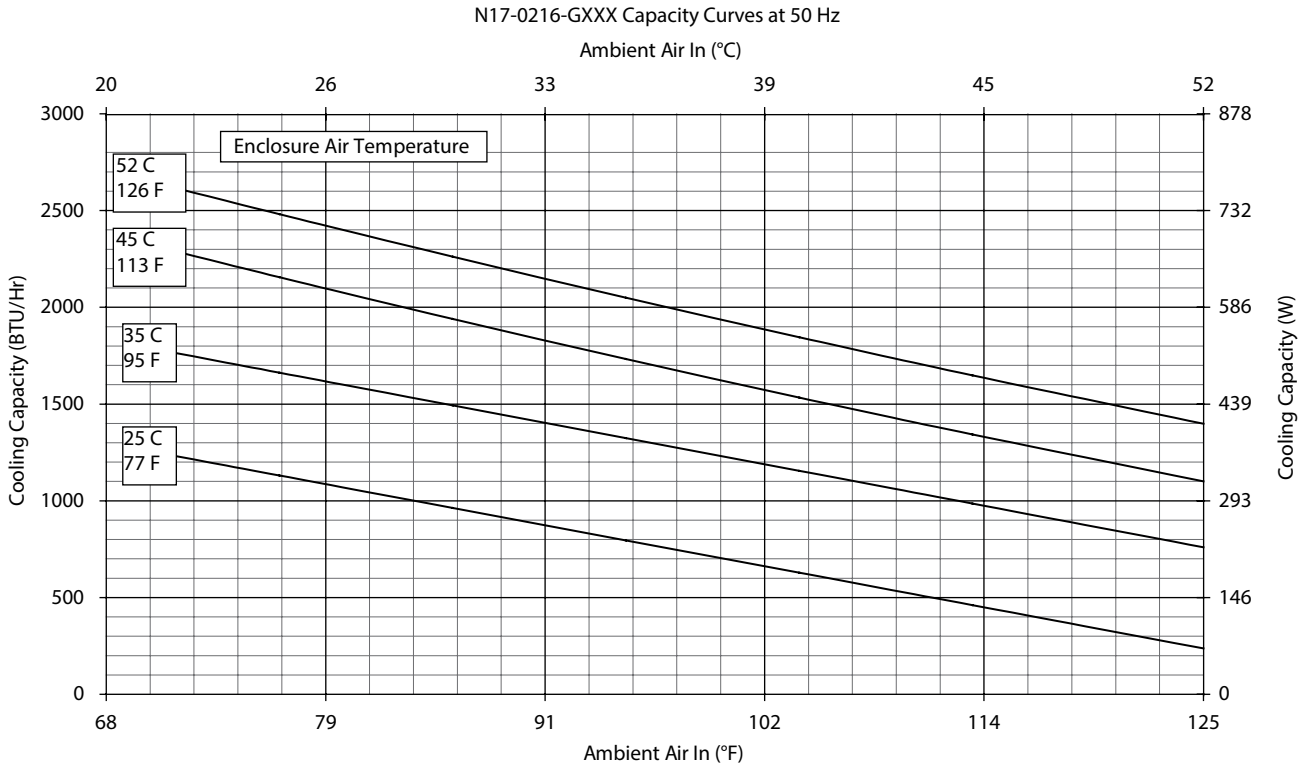


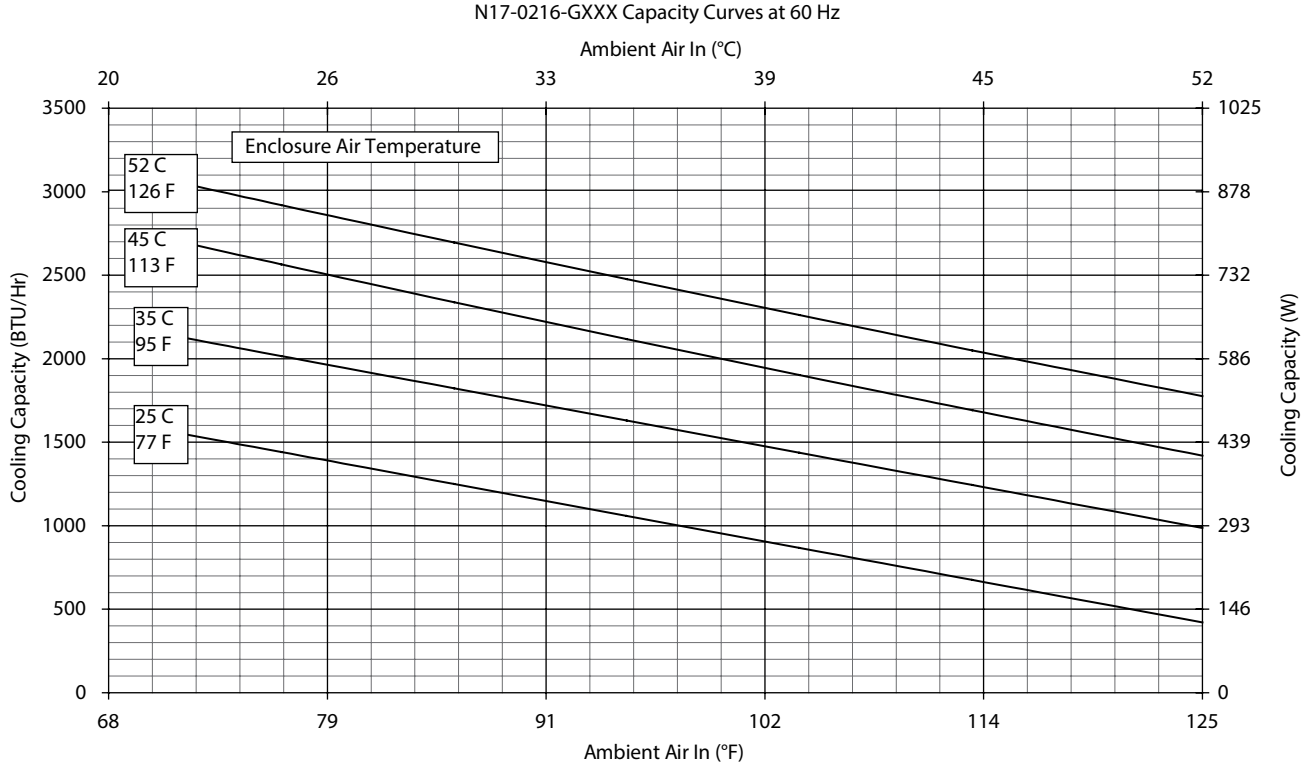
Performance Curves for N17 Models 1000/2000 BTU/Hr. (293/585 Watt)



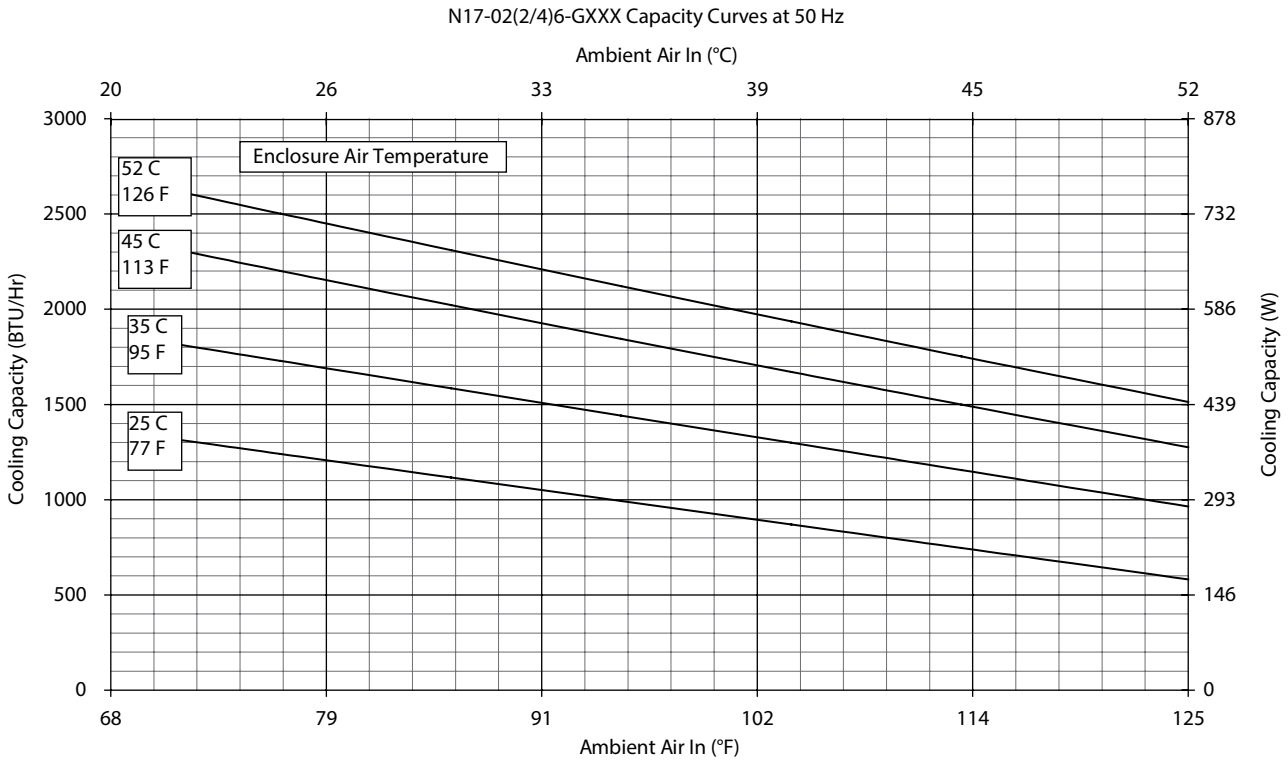


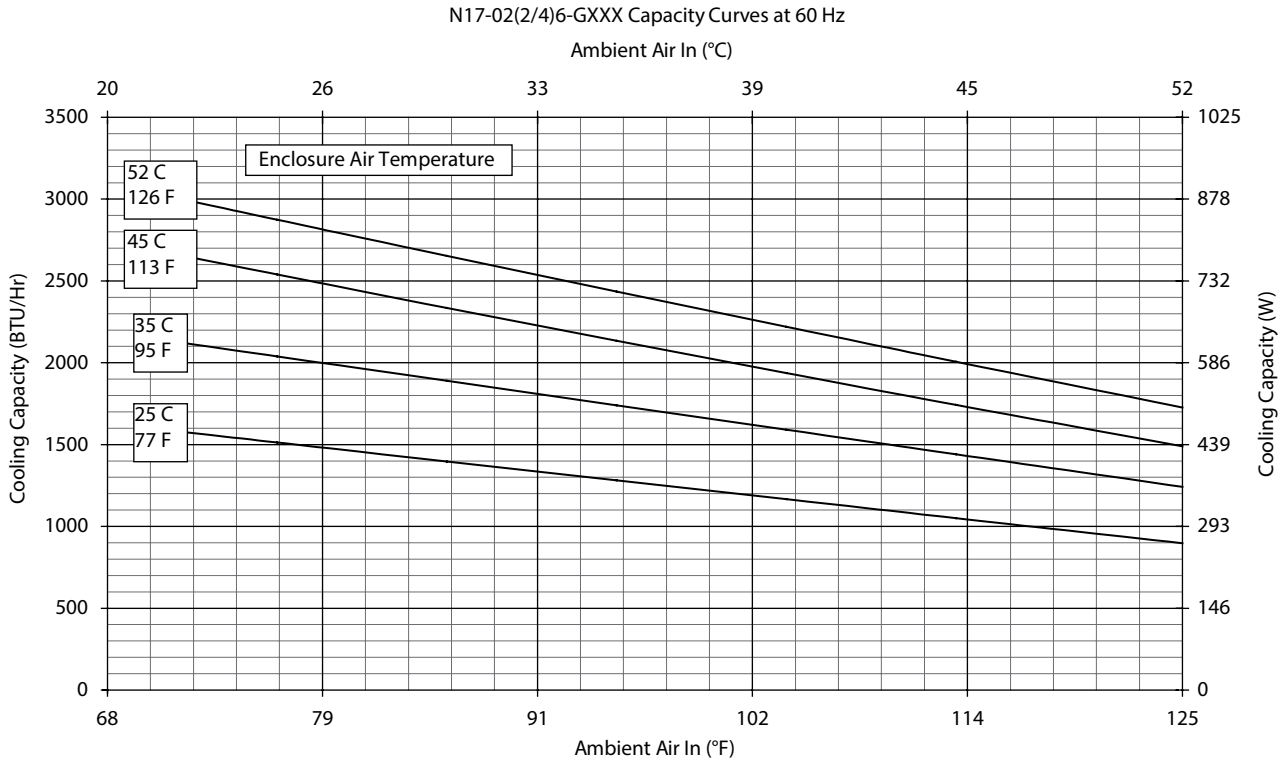
Performance Curves for N17 Models 1000 BTU/Hr. (293 Watt)



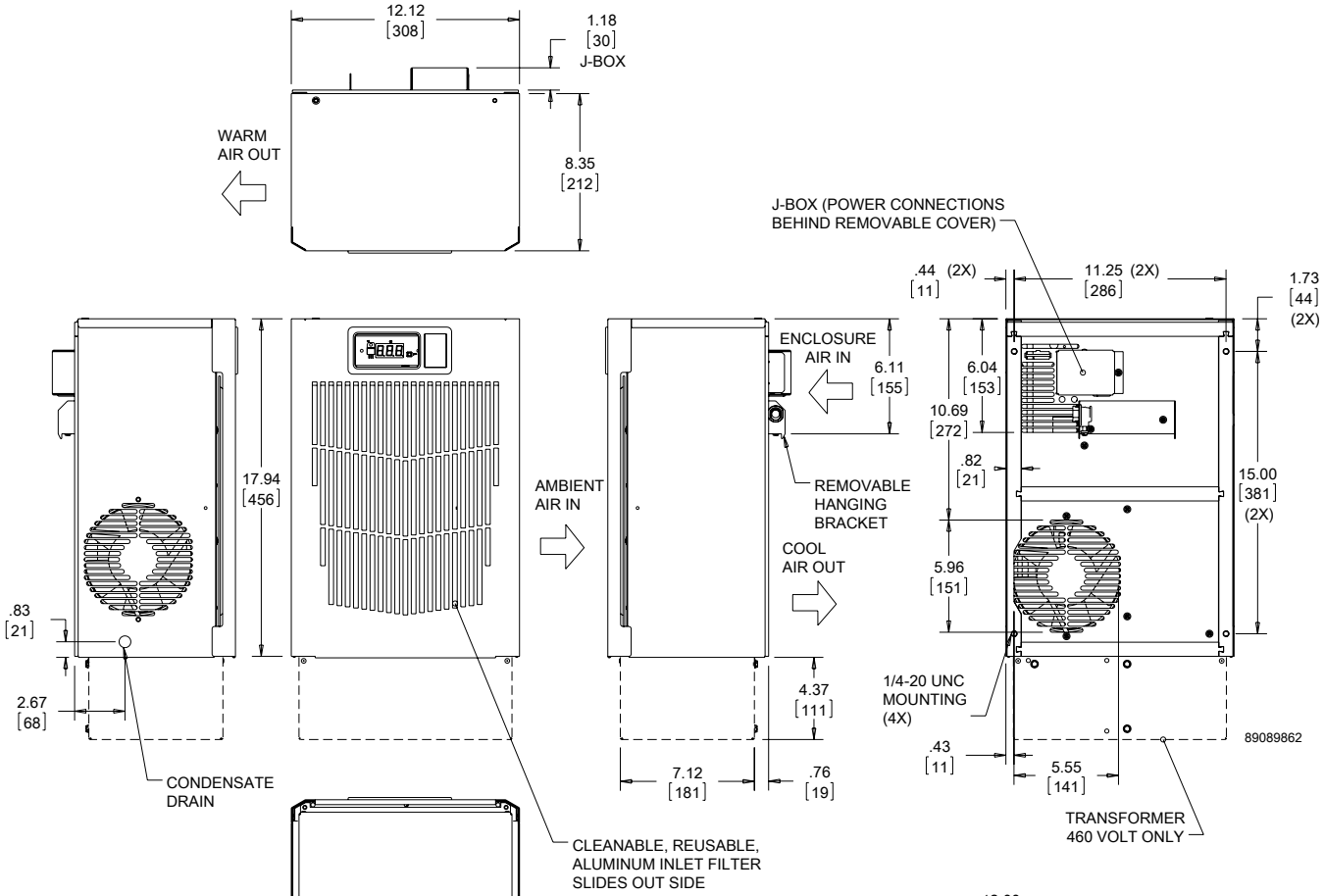


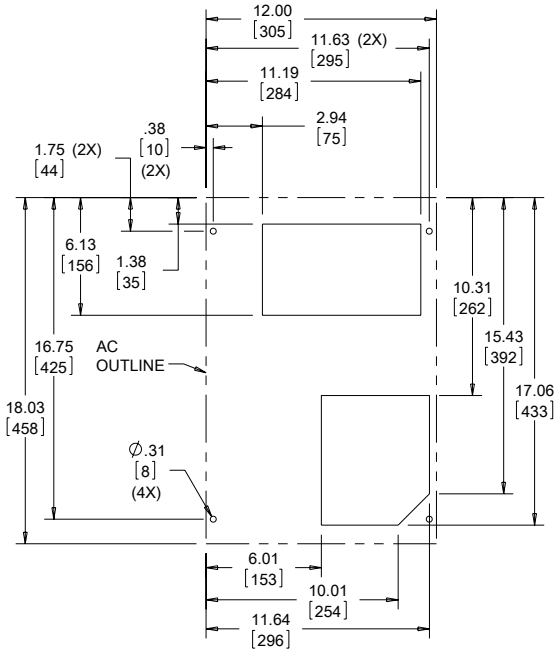
Performance Curves for N17 Models 1000/2000 BTU/Hr. (293/585 Watt)





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





Cutout Dimensions

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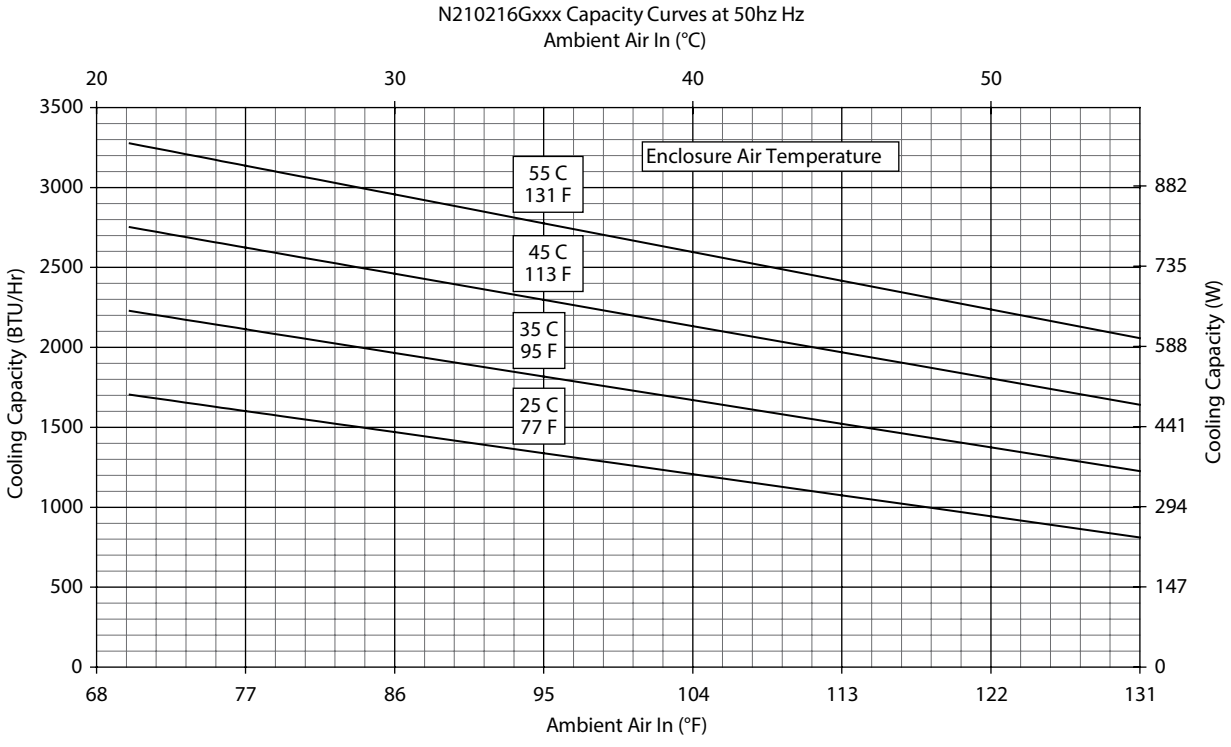
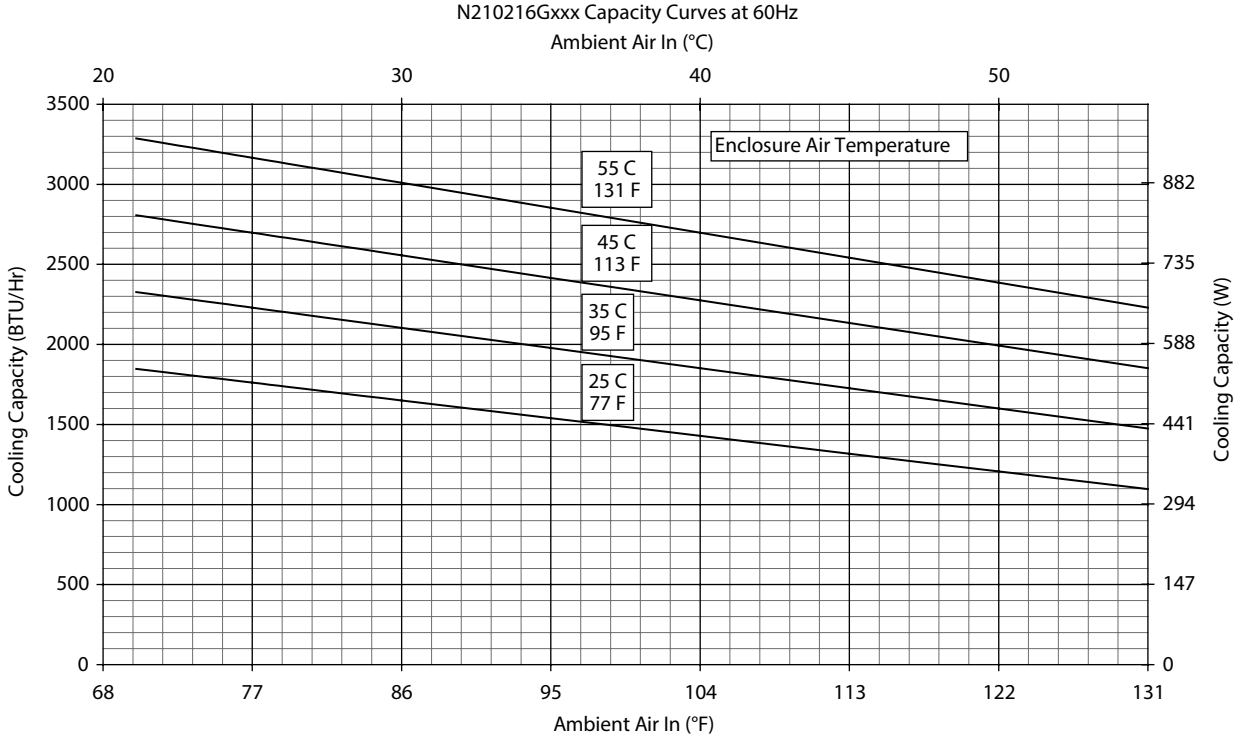
Performance Data **N21 2000 BTU/Hr. (586 Watt) Models**

CATALOG NUMBER			
Indoor Model	N210216G050	N210226G050	N210246G050
Indoor Model Stainless Steel Type 4X	N210216G051	N210226G051	N210246G051
Indoor Model with Remote Access Control*	N210216G060	N210226G060	N210246G060
COOLING PERFORMANCE			
Nominal:			
BTU/Hr.	**1800/2000**	**1800/2000**	**1800/2000**
Watts	**528/586**	**528/586**	**528/586**
At 131 F/131 F (55 C/55 C):			
BTU/Hr. (50/60 Hz)	2000/2175	2000/2175	2000/2175
W (50/60 Hz)	586/637	586/637	586/637
At 95 F/95 F (35 C/35 C):			
BTU/Hr. (50/60 Hz)	1950/2200	1950/2200	1950/2200
W (50/60 Hz)	571/645	571/645	571/645
Refrigerant	R-134A	R-134A	R-134A
Refrigerant Charge (ounces/grams)	6.5/184	6.5/184	6.5/184
Operating Temperature Range:			
Maximum (°F/°C)	131/55	131/55	131/55
Minimum (°F/°C)	-40/-40	-40/-40	-40/-40
Airflow at 0 Static Pressure:			
Internal loop 50 Hz (CFM / m^3/hr.)	77/131	77/131	77/131
External loop 50 Hz (CFM / m^3/hr.)	150/255	150/255	150/255
Internal loop 60 Hz (CFM / m^3/hr.)	91/155	91/155	91/155
External loop 60 Hz (CFM / m^3/hr.)	165/280	165/280	165/280
Max. Heater W (Outdoor Models)	500	500	500
ELECTRICAL DATA			
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 CE EAC Others available upon request		cUR Recognized CE EAC
Power Input Description	Terminal Block	Terminal Block	Terminal Block
ENCLOSURE PROTECTION			
UL Type	Type 12, 3R, 4 standard Type 4X Stainless steel optional		
CONTROLLER			
Description	Basic mechanical thermostat		
Thermostat Location	Enclosure side on all base models		
Factory Thermostat Setting (°F/°C)	80/27		
SOUND LEVEL			
At 1.5 Meters	66 dB(A)		
UNIT CONSTRUCTION			
Material	Galvanized sheet metal standard Stainless steel optional		
Finish			
UNIT DIMENSIONS			
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

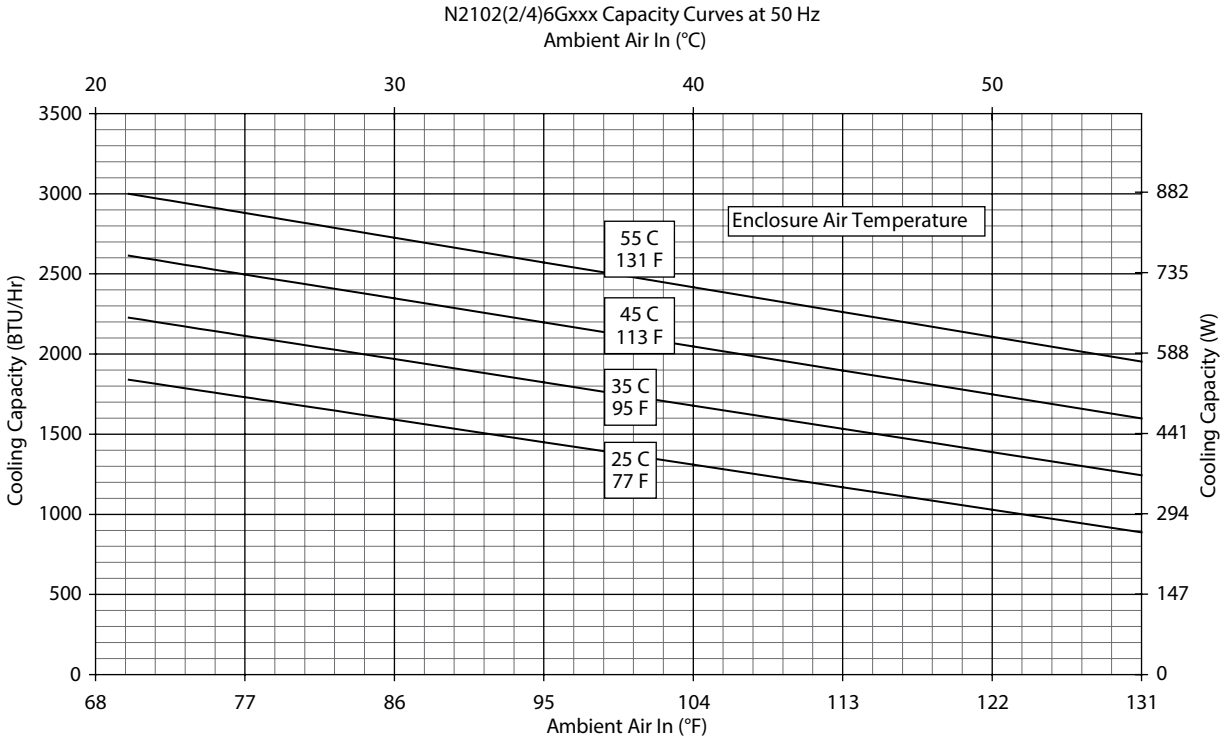
*Units with Remote Access Control utilize a digital controller and communicate via EtherNet/IP, Profinet, Modbus TCP/IP and SNMP over ethernet or modbus RTU over USB.

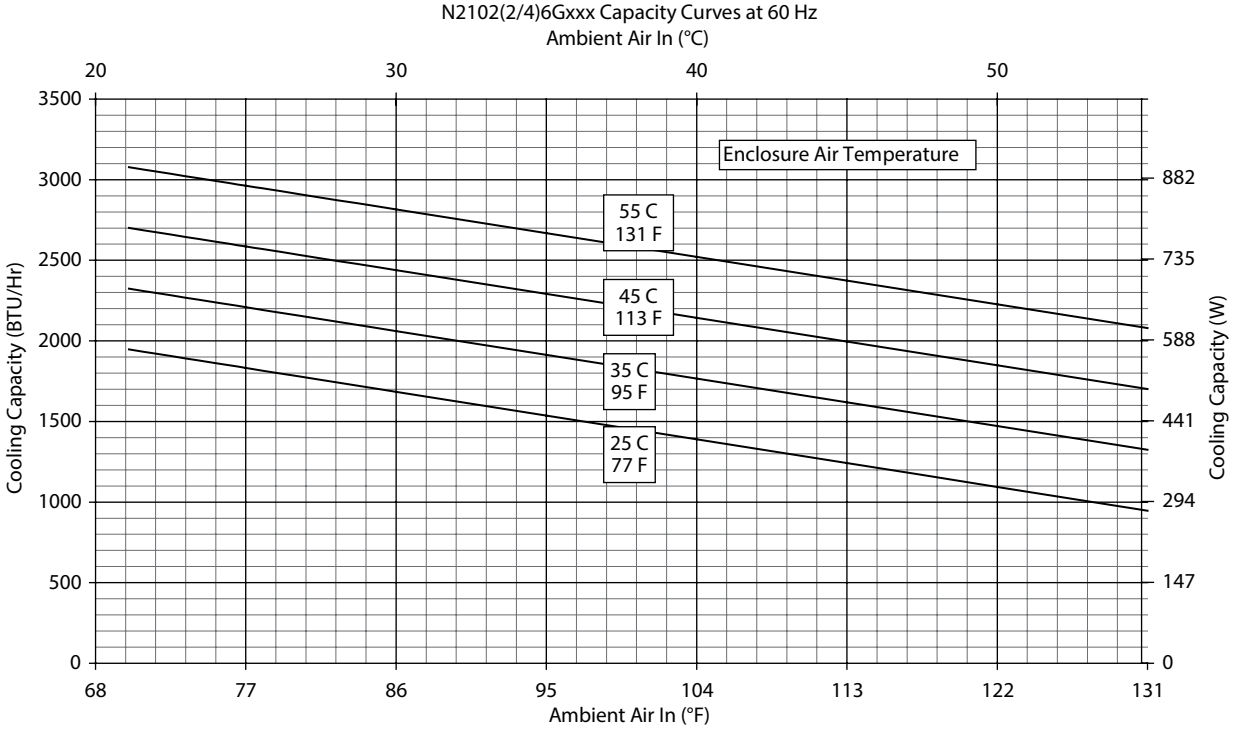
Performance Curves for N21 Models 2000 BTU/Hr. (586 Watt)



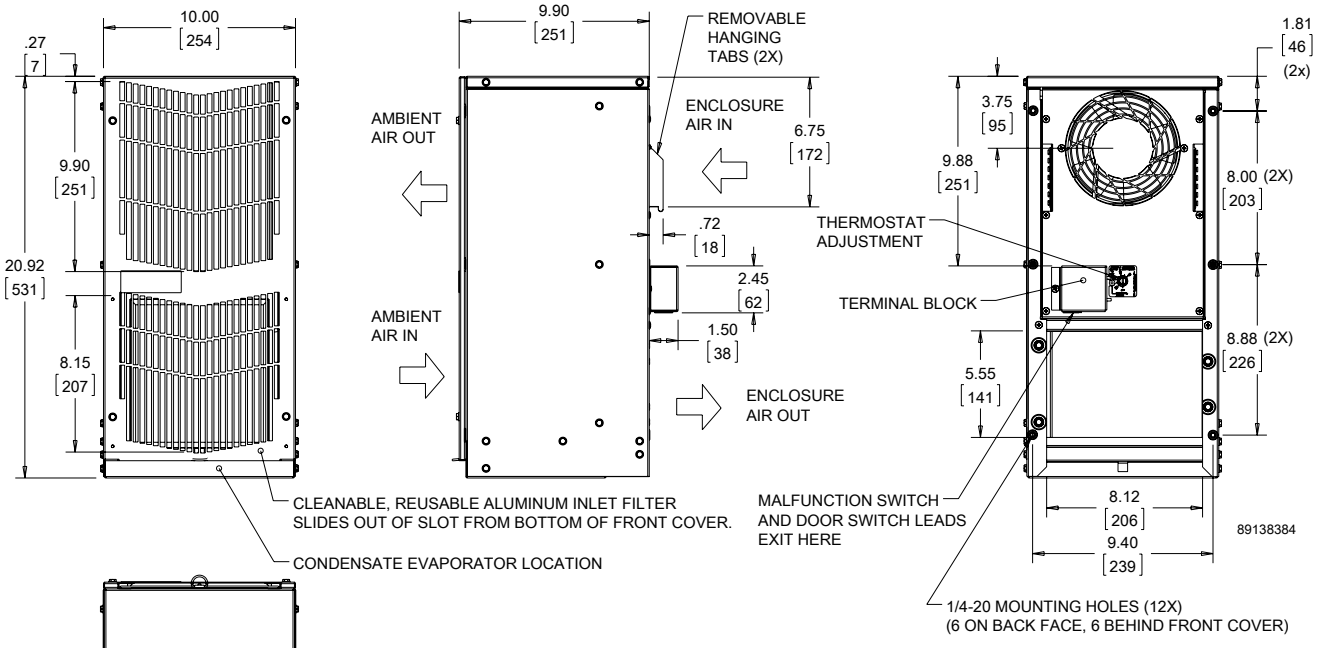


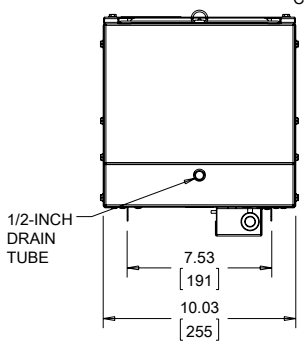
Performance Curves for N21 Models 2000 BTU/Hr. (586 Watt)

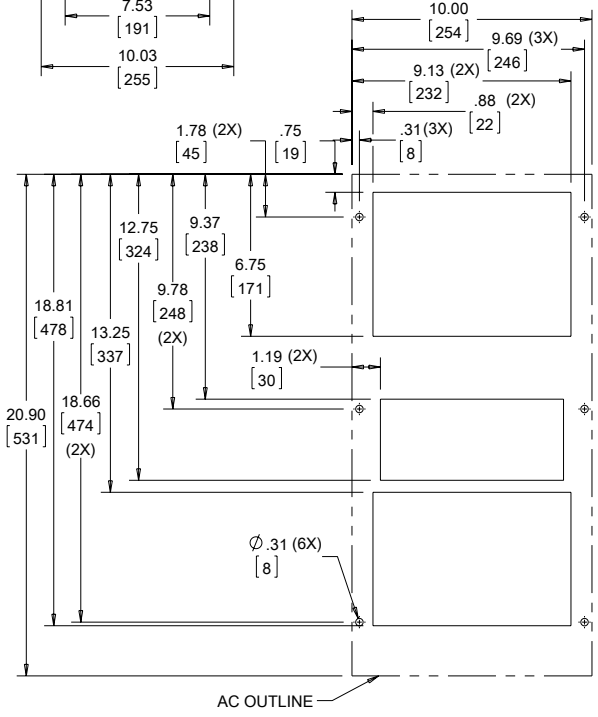




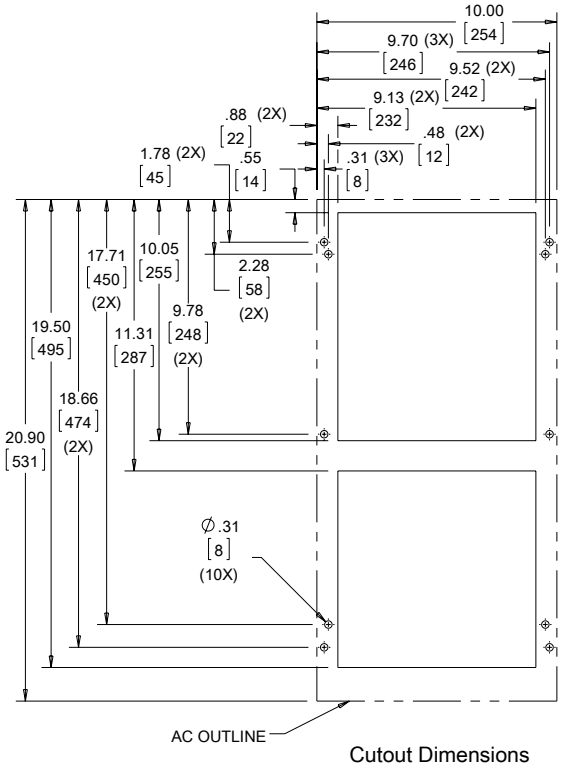
N21 115/230V Models 2000 BTU/Hr. (586 Watt)







Cutout Dimensions (Externally Mounted)



Cutout Dimensions (Internally Mounted)

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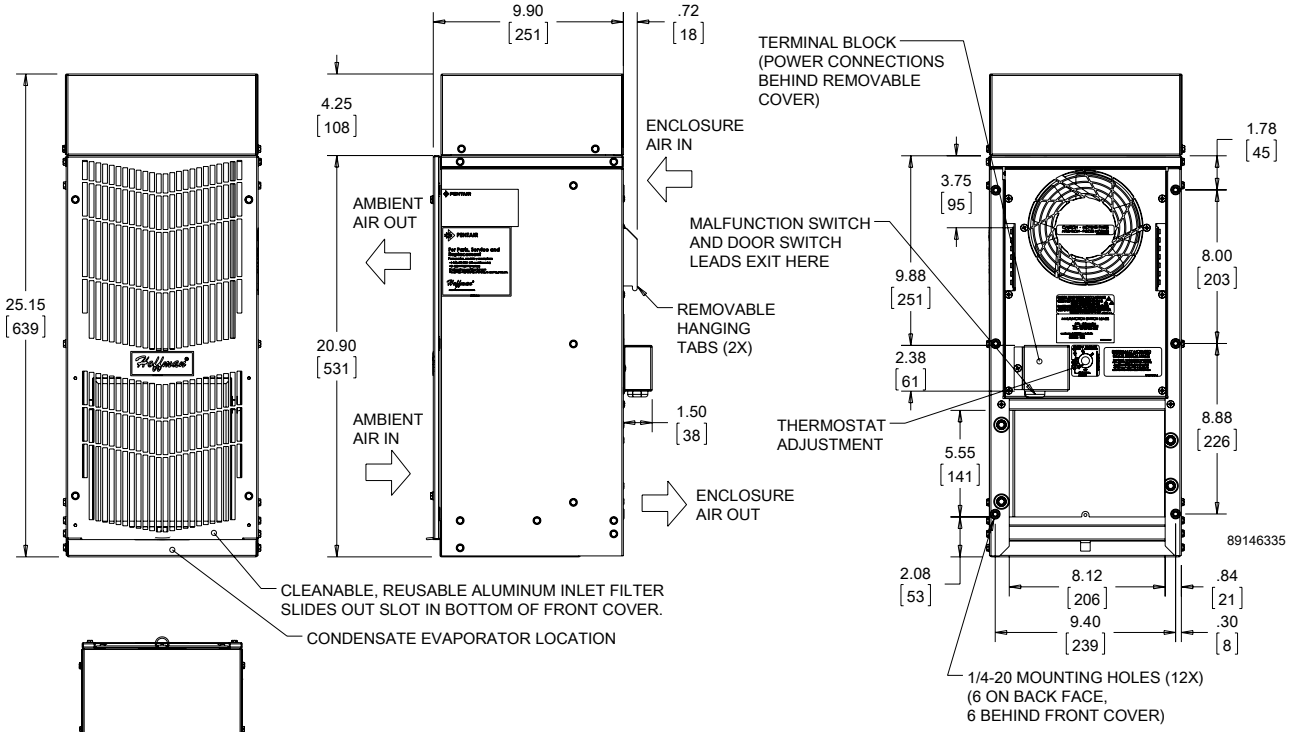
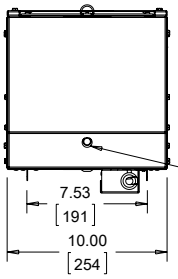
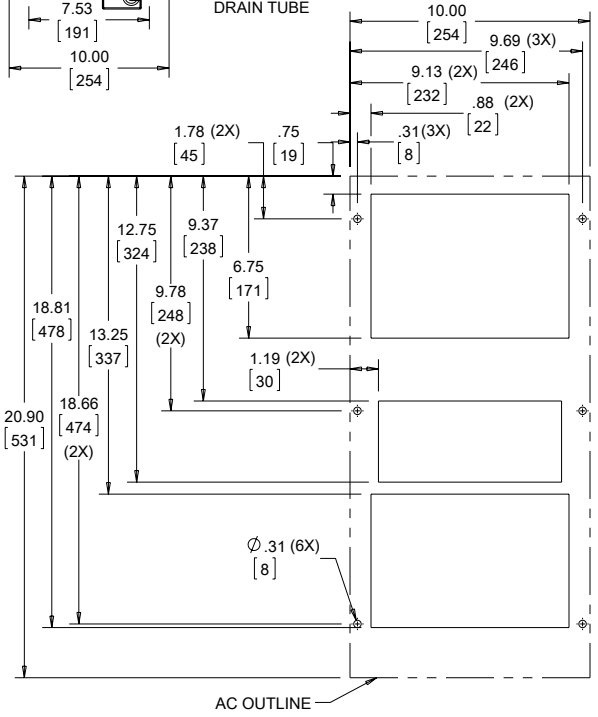
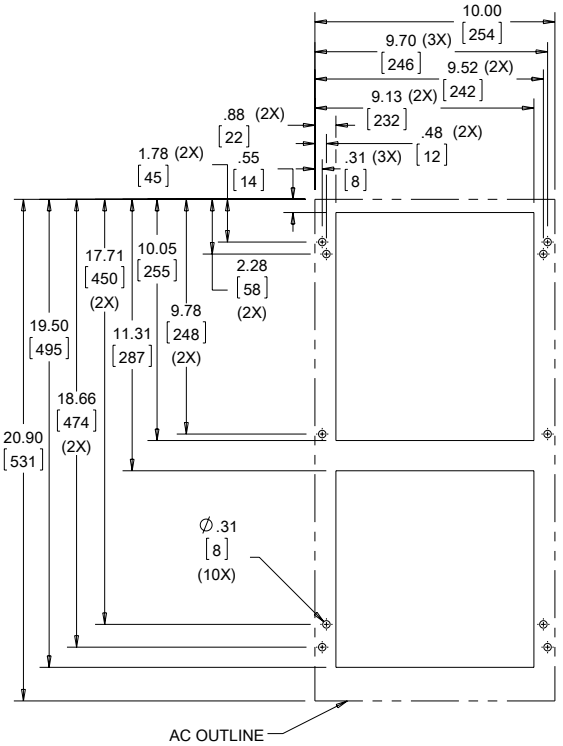
N21 460V Models 2000 BTU/Hr. (586 Watt)







Cutout Dimensions (Externally Mounted)



Cutout Dimensions (Internally Mounted)

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