

SPECTRACOOL NARROW COMPACT INDOOR



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 FAC

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

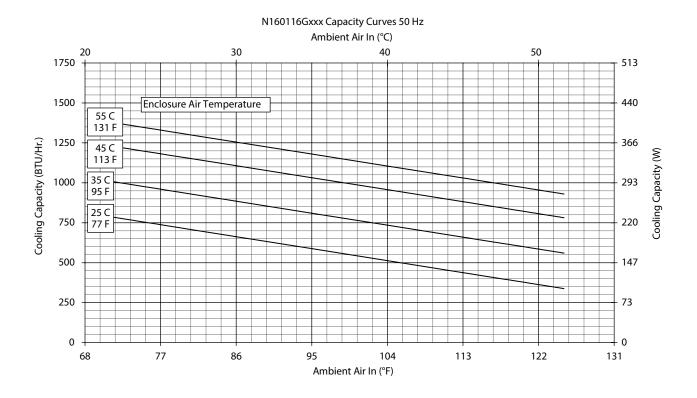
CATALOG NUMBER				
Indoor Model	N160116G050	N160126G050		
Indoor Model Stainless Steel Type 4X	N160116G051	N160126G051		
Indoor Model with Remote Access Control*	N160116G060	N160126G060		
COOLING PERFORMANCE				
Nominal:				
BTU/Hr.	800/800	800/900		
Watts	235/235	235/264		
At 131 F/131 F (55 C/55 C):				
BTU/Hr. (50/60 Hz)	819	920/960		
W (50/60 Hz)	240	270/281		
At 95 F/95 F (35 C/35 C):		040/055		
BTU/Hr. (50 /60 Hz)	948	810/955		
W (50/60 Hz)	278	237/280		
Refrigerant Observa (company)	R134A	R134A 3.8/107		
Refrigerant Charge (ounces/grams) Operating Temperature Range:	4/113	3.8/10/		
Operating Temperature Range: Maximum (°F/°C)	131/55	125/131/52/55		
Maximum (°F/°C) Minimum (°F/°C)	-40/-40	-40/-40		
Airflow at 0 Static Pressure:	-40/-40	-40/-40		
Internal loop 50 Hz (CFM / m ³ /hr.)	25/42	25/42		
. , , ,	48/82	48/82		
External loop 50 Hz (CFM / m ³ /hr.)	30/51	30/51		
Internal loop 60 Hz (CFM / m ³ /hr.)	53/90	53/90		
External loop 60 Hz (CFM / m ³ /hr.)				
Max. Heater W (Outdoor Models)	150	150		
ELECTRICAL DATA	400/445	000/000		
Rated Voltage	100/115	220/230		
Frequency (Hz)	50/60	50/60		
Operating Range Max. Power Consumption (W at 50/60 Hz)	+/- 10% 360/403	+/- 10% 330/345		
Max. Nominal Current (A at 50/60 Hz)	360/403	1.5/1.5		
Starting Current (A)	8.0/9.2	3.3/3.1		
Agency Approvals		Listed		
ngency approvats	COL Listed CE			
	E.	AC		
		le upon request		
Power Input Description	Terminal Block	Terminal Block		
ENCLOSURE PROTECTION				
UL Type		R, 4 standard		
CONTROLLER	Type 4X Stainle	ss steel optional		
Description	Racio machan	ical thermostat		
Thermostat Location	Basic mechanical thermostat			
Factory Thermostat Setting (°F/°C)	Enclosure behind front panel 80/27			
SOUND LEVEL	80	141		
At 1.5 Meters	63 6	IB(A)		
UNIT CONSTRUCTION	03.0			
Material	Galvanized shee	et metal standard		
***************************************		teel optional		
Finish		red powder-coat paint standard		
UNIT DIMENSIONS	3 3 7,7 7 7 7	•		
Height (in./mm)	16.5	1/419		
Width (in./mm)		2/191		
Depth (in./mm)	6.30	0/160		

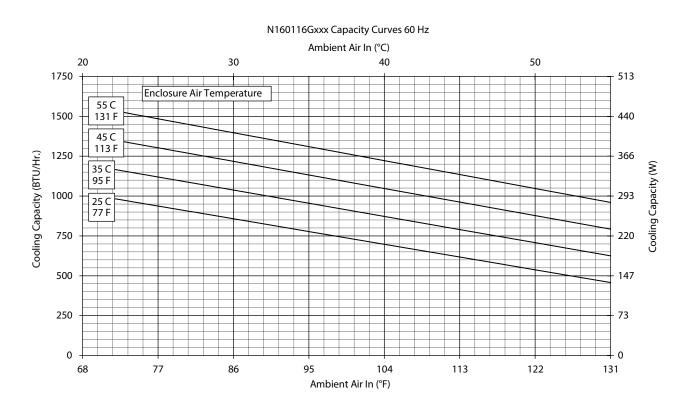
^{*}Units with Remote Access Control utilize a digital controller and communicate via EtherNet/IP, Profinet, Modbus TCP/IP and SNMP over ethernet or modbus RTU over USB.

27/12



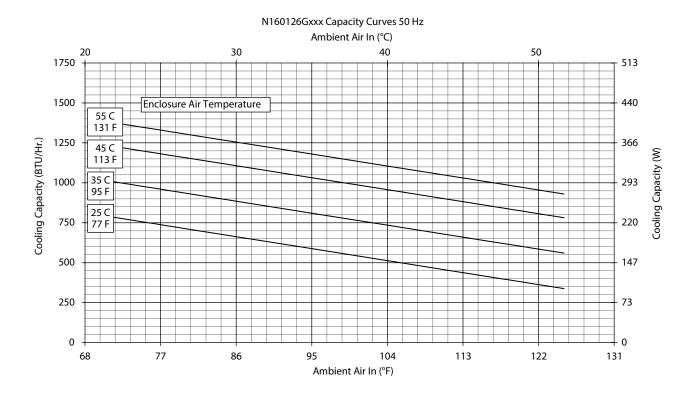
Performance Curves for N16 Models 800 BTU/Hr. (234 Watt)







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



N160126Gxxx Capacity Curves 60 Hz Ambient Air In (°C) 30 50 20 1750 513 **Enclosure Air Temperature** 55 C 1500 131 F 440 45 C 113 F Cooling Capacity (BTU/Hr.) 1250 366 Cooling Capacity (W) 35 C 95 F 1000 293 25 C 77 F 750 220 500 147 250 73 0 68 77 113 122 131 Ambient Air In (°F)



N16 800 BTU/Hr. (234 Watt) 7.52 [191] 5.34 .82 [21] 136 2.18 [<u>55]</u> 6.75 [171] 1.50 3.29 6.30 1.55 [38] [39] 84 [160] (2X) 3.20 **ENCLOSURE** AMBIENT AIR OUT 81 AIR IN 7.42 [188] 0 13.00 16.51 [330] 419 (2X) AMBIENT **ENCLOSURE** 8.31 AIR IN AIR OUT [211] 1.01 [26] 89138383 FIELD POWER WIRING IN CONDENSATE EVAPORATOR HEATER LOCATION CLEANABLE, REUSABLE ALUMINUM $^{\perp}$ INLET FILTER SLIDES OUT OF SLOT FROM EITHER SIDE OF FRONT COVER TERMINAL BLOCK (POWER CONNECTIONS BEHIND REMOVABLE COVER) 1/4-20 MOUNTING HOLES (8X) (4 ON BACK FACE AND 4 BEHIND FRONT COVER) 3/8-INCH (9.5) DRAIN STUB 7.50 7.13 (2x) [191] 181 6.75 .75 [171] [19] .38 (2x) [10] 14 1.50 (2x) [38] 8.12 206 14.50 [368] 16.50 [419] Ø.31 [8] (4x)

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Cutout Dimensions (Externally Mounted)

AC OUTLINE



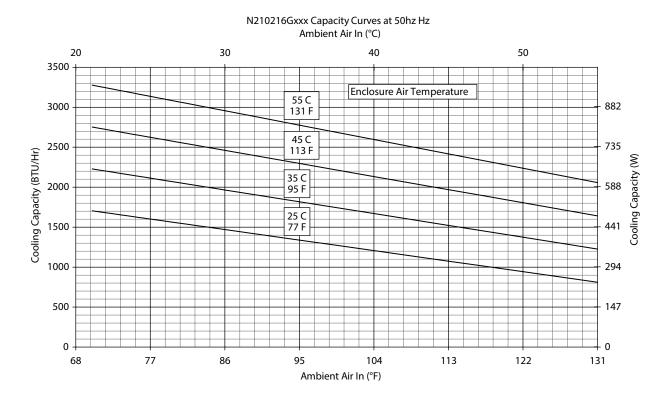
Performance Data N21 2000 BTU/Hr. (586 Watt) Models

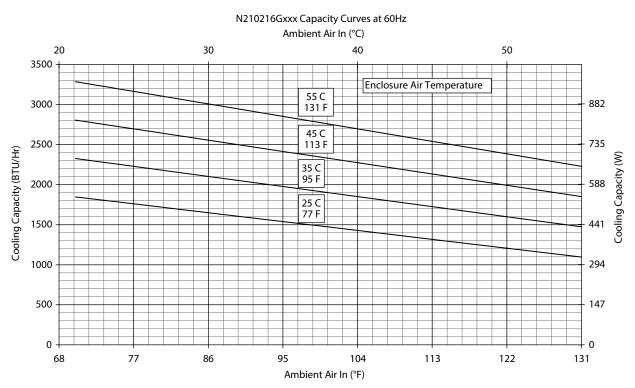
CATALOG NUMBER					
Indoor Model	N210216G050	N210226G050	N210246G050		
Indoor Model Stainless Steel Type 4X	N210216G051	N210226G051	N210246G051		
Indoor Model with Remote Access Control*	N210216G060	N210226G060	N210246G060		
COOLING PERFORMANCE					
Nominal:					
BTU/Hr.	1800/2000	1800/2000	1800/2000		
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	R134A	R134A	R134A		
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:	77/101	77/101	77/101		
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	300	300	300		
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	cUR Recognized		
		CE	CE		
		EAC			
		ole upon request	T ! 151 !		
Power Input Description ENCLOSURE PROTECTION	Terminal Block	Terminal Block	Terminal Block		
		Type 12, 3R, 4 standard			
UL Type		Type 12, 3K, 4 standard Type 4X Stainless steel optional			
CONTROLLER		13pc -1/ Otaliness steel optional			
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	RAL 7035 light-gray, semi-textured powder-coat paint standard Other colors available				
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		

*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)

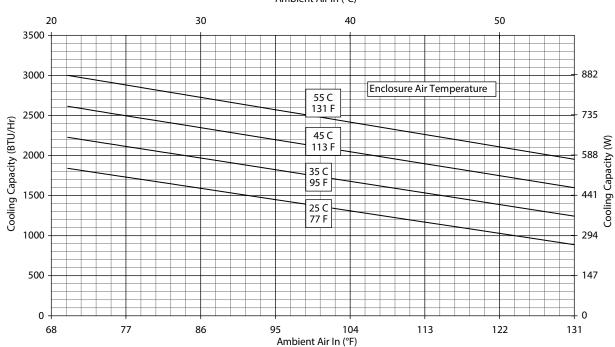




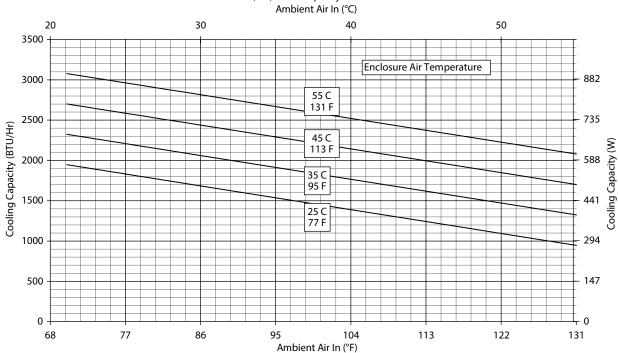


Performance Curves for N21 Models 2000 BTU/Hr. (586 Watt)



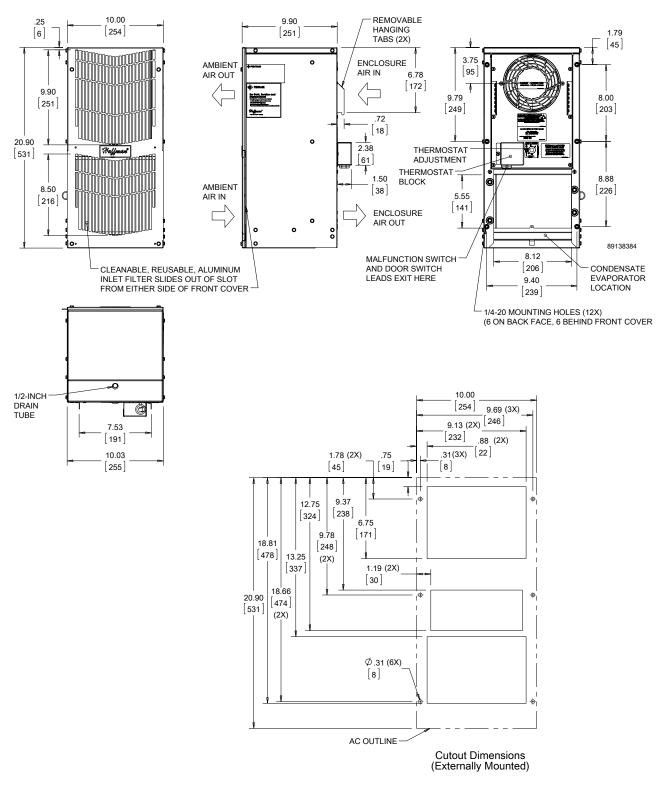


N2102(2/4)6Gxxx Capacity Curves at 60 Hz



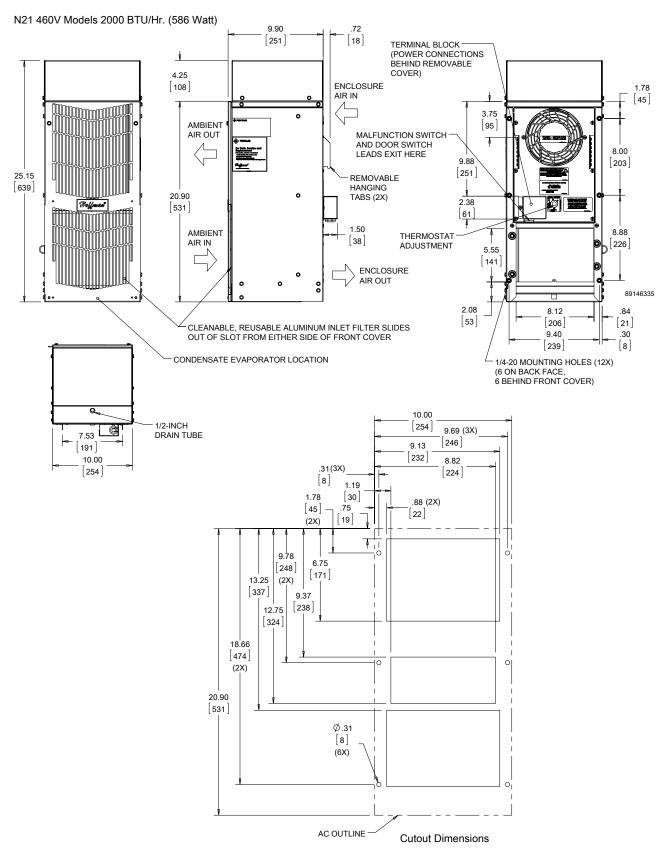


N21 115/230V Models 2000 BTU/Hr. (586 Watt)



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N43 11000 BTU/Hr. 3223 Watt

N36 6000/8000 BTU/Hr. 1758/2344 Watt

N28 4000 BTU/Hr. 1172 Watt

INDUSTRY STANDARDS

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

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
- 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
- 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)

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





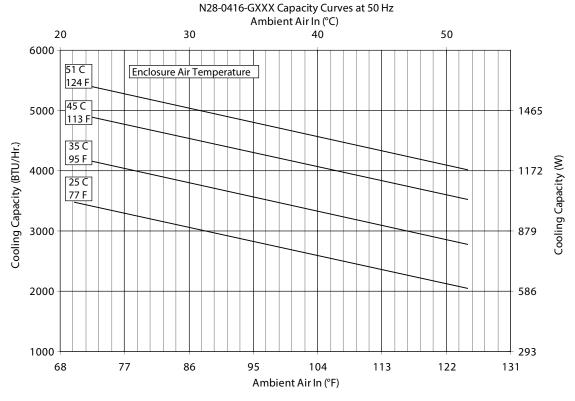
Performance Data N28 4000 BTU/Hr. (1172 Watt)

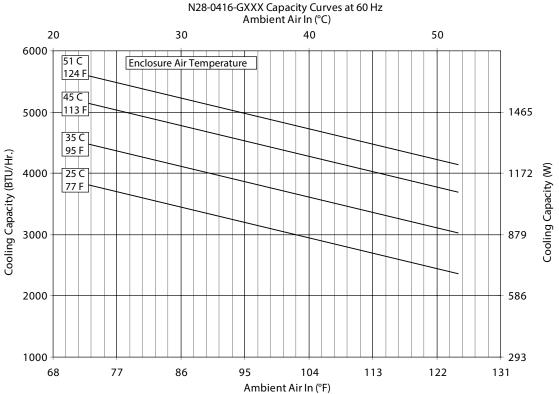
CATALOG NUMBER	·U		
CATALOG NUMBER Indoor Model	N280416G050	N280426G050	N280446G050
Indoor Model Indoor Model Stainless Steel Type 4X	N280416G050	N280426G050	N280446G051
Indoor Model Stalliness Steel Type 4X Indoor Model with Remote Access Control*	N280416G060	N280426G060	N280446G060
Outdoor Model without Heat Pkg.	N280416G100	N280426G100	N280446G100
Outdoor Model with Heat Pkg.	N280416G150	N280426G150	112804406100
Outdoor Model with Heat Pkg. Outdoor Model with Heat Pkg. Stainless Steel Type 4X	N280416G150	N280426G150	<u>-</u>
COOLING PERFORMANCE	142004100131	142004200131	
Nominal:			
BTUs/Hr.	3800 / 4000	3800 / 4000	3800 / 4000
Watts	1114 / 1172	1114 / 1172	1114 / 1172
At 125 F / 125 F (50 C / 50 C):	1114/11/2	1114/11/2	1114 / 1172
BTU/Hr. (50 / 60 Hz)	3940 / 4104	4269 / 4703	4269 / 4703
Watts (50 / 60 Hz)	1150 / 1000	1250 / 1378	1250 / 1378
At 95 F / 95 F (35 C / 35 C):	1130 / 1000	1230 / 1376	1230 / 1378
BTU/Hr. (50 /60 Hz)	3754 / 4011	3700 / 4291	3700 / 4291
Watts (50 / 60 Hz)	1100 / 1175	1086 / 1257	1086 / 1257
	R134a	R134a	R134a
Refrigerant Refrigerant Charge (ounces/grams)	10 / 283	11 / 312	11 / 312
Operating Temperature Range:	10 / 203	11 / 312	11/312
Maximum (°F / °C)	125 / 52	125 / 52	125 / 52
Maximum (°F / °C) Minimum (°F / °C)	-40 / -40	-40 / -40	-40 / -40
Air Flow at 0 Static Pressure:	-40 / -40	-40 / -40	-40 / -40
	120 / 224	120 / 224	120 / 224
Internal loop 50 Hz (CFM / M ³ /Hr)	138 / 234	138 / 234	138 / 234
External loop 50 Hz (CFM / M ³ /Hr)	268 / 455	268 / 455	268 / 455
Internal loop 60 Hz (CFM / M ³ /Hr)	143 / 243	143 / 243	143 / 243
External loop 60 Hz (CFM / M ³ /Hr)	288 / 489	288 / 489	288 / 489
Max. Heater W (Outdoor Models)	1300	1300	N/A
ELECTRICAL DATA	1300	1300	IN/A
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	40	cUL Listed	12.5
Agency Approvais		CE	
		Others available upon request	
Power Input Description		Terminal Block	
ENCLOSURE PROTECTION			
UL Type		Type 12, 3R, 4 Standard	
· Zr·		Type 4X Stainless Steel Optiona	ıl
CONTROLLER			
Description		Basic Mechanical Thermostat	
Thermostat Location		Enclosure Side	
Factory Thermostat Setting (°F / °C)		80 / 27	
SOUND LEVEL		·	
At 1.5 Meters	64.4 dBA	65.5 dBA	65.5 dBA
UNIT CONSTRUCTION		·	
Material		Galvanized sheet metal standard	d
		Stainless steel optional	-
Finish	RAL 7035 light	-gray, semi-textured powder-coa Other colors available	t paint standard
ACCESSORIES			
EASYSWAP Adaptor Plenum (GENESIS M33)		ECTRACOOL to be mounted to a Citioner cutout Catalog Number P	
UNIT DIMENSIONS			
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.



Performance Curves for N28 Models 4000 BTU/Hr. (1172 Watt)

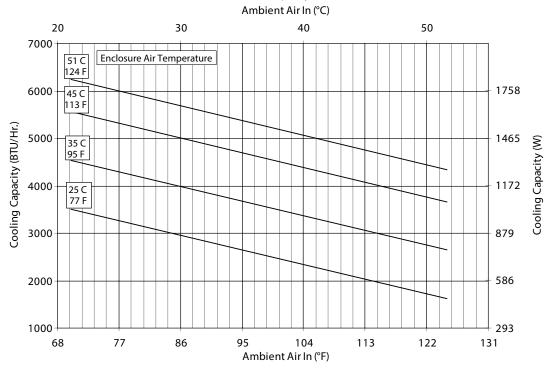




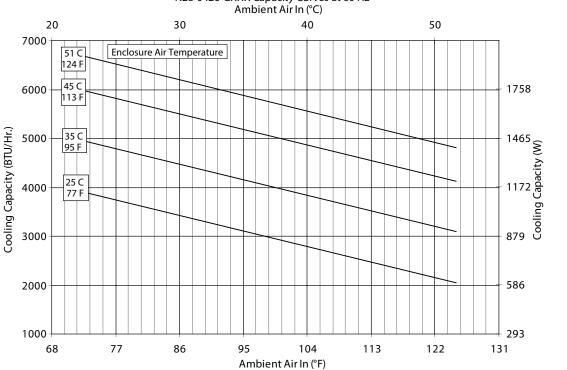


Performance Curves for N28 Models 4000 BTU/Hr. (1172 Watt)



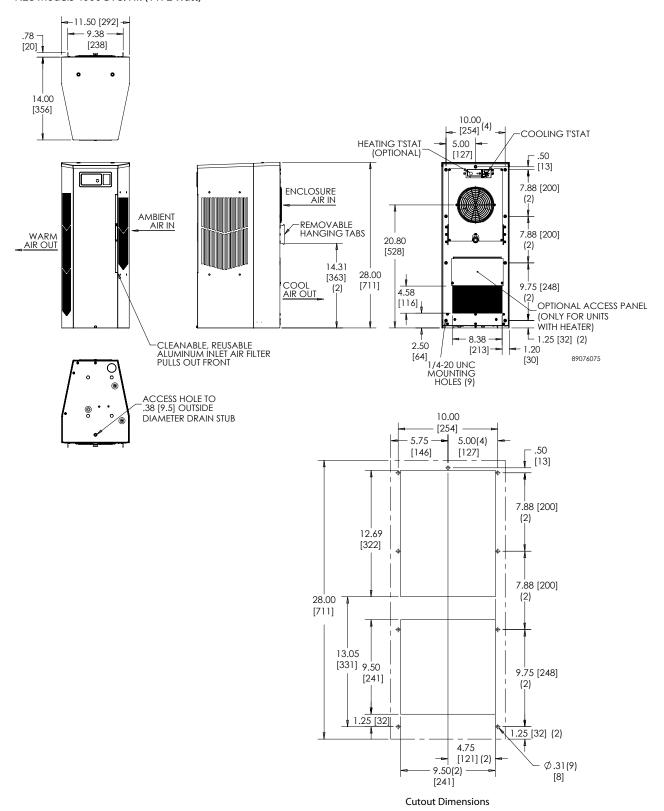


N28-0426-GXXX Capacity Curves at 60 Hz





N28 Models 4000 BTU/Hr. (1172 Watt)



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



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

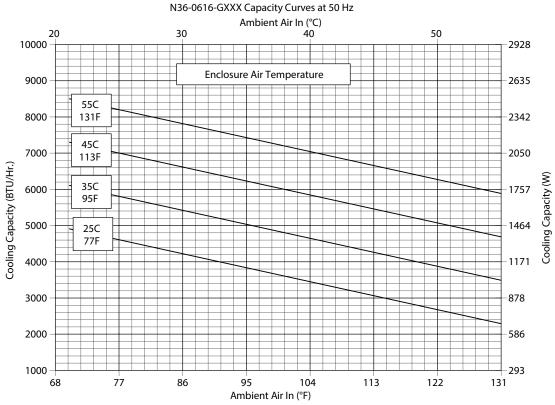
CATALOG NUMBER	(11 07)					
Indoor Model	N360616G050	N360626G050	N360646G050	N360816G050	N360826G050	N360846G050
Indoor Model Stainless Steel Type 4X	N360616G051	N360626G051	N360646G051	N360816G051	N360826G051	N360846G051
Indoor Model with Remote Access Control*	N360616G060	N360626G060	N360646G060	N360816G060	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.	N360616G151	N360626G151	N360646G151	N360816G151	N360826G151	N360846G151
Stainless Steel Type 4X						
COOLING PERFORMANCE						
Nominal:						
BTU/Hr.	5400 / 6000	5400 / 6000	5400 / 6000	7100 / 7800	8250 / 8500	8250 / 8500
Watts	1581 / 1757	1581 / 1757	1581 / 1757	2081 / 2286	2313 / 2635	2284 / 2401
At 131 F / 131 F (55 C / 55 C):						
BTU/Hr. (50 / 60 Hz)	5639/6217	5771 / 6410	5300 / 6089	7074 / 7754	7874 / 8063	7311 / 7940
Watts (50 / 60 Hz)	1653/1822	1691 / 1879	1553 / 1785	2073 / 2272	2306 / 2361	2143 / 2327
At 95 F / 95 F (35 C / 35 C):						
BTU/Hr. (50 /60 Hz)	5104/5654	5613 / 5647	5572 / 6026	6248 / 6739	6660 / 7411	6448 / 6716
Watts (50 / 60 Hz)	1496/1657	1645 / 1655	1633 / 1766	1831 / 1975	1950 / 2170	1890 / 1968
Refrigerant	R134a	R134a	R134a	R134a	R134a	R134a
Refrigerant Charge (ounces/grams)	20 / 567	22 / 624	16 / 454	27 / 765	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 ³ /Hr.)	251 / 426	250 / 425	250 / 425	250 / 425	245 / 416	243 / 413
External loop 50 Hz (CFM / M ³ /Hr.)	284 / 483	338 / 574	338 / 574	353 / 600	347 / 589	365 / 620
Internal loop 60 Hz (CFM / M³/Hr.)	261 / 443	261 / 443	261 / 443	263 / 447	258 / 439	254 / 432
		356 / 605	356 / 605	396 / 673		394 / 669
External loop 60 Hz (CFM / M ³ /Hr.)	311 / 528				382 / 648	
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)	914 / 1074	949 / 1097	697 / 895	1100 / 1333	1265 / 1403	1327 / 1647
Max. Nominal Current (Amps at 50 / 60 Hz)	8.6 / 9.4	4.7 / 5.0	1.59 / 1.69	9.9 / 11.6	5.5 / 6.1	3.0 / 3.3
Starting Current (Amps)	39.5	21.0	8.1	38.0	27.0	16.0
Agency Approvals				Listed		
			Othere availah	CE le upon request		
Power Input Description			Tormin	al Block		
ENCLOSURE PROTECTION			Terrini	ai biock		
UL Type			Tyne 12 3E	t, 4 Standard		
or type			Type 4X Stainle	ss Steel Optional		
CONTROLLER			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Description			Basic Mechani	ical Thermostat		
Thermostat Location				ure Side		
Factory Thermostat Setting (°F / °C)				/ 27		
SOUND LEVEL				, _,		
At 1.5 Meters	66.9 dBA	66.7 dBA	68.2 dBA	74.5 dBA	66.0 dBA	66.0 dBA
UNIT CONSTRUCTION						
Material			Galvanized shee	et metal standard		
			Stainless s	teel optional		
Finish		RAL 7035 li	ght-gray, semi-textu	red powder-coat pa	int standard	
			Other colo	rs available		
ACCESSORIES						
EASYSWAP Adaptor Plenum (GENESIS M36)	ı	Enables SPECTRAC	OOL to be mounted Catalog Numl	to a GENESIS M36 a ber PLM36N36	air conditioner cuto	ut
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
				-		

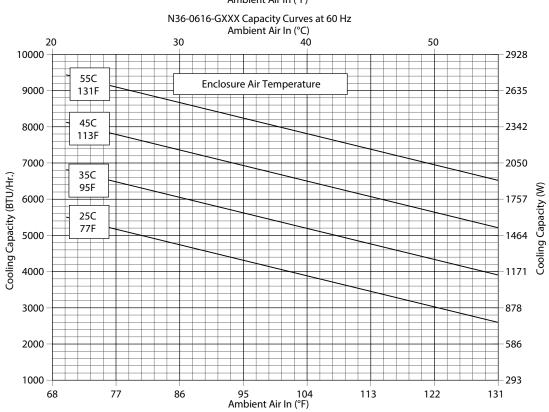
^{*}Units with Remote Access Control utilize a digital controller and communicate via EtherNet/IP, Profinet, Modbus TCP/IP and SNMP over ethernet or modbus RTU over USB.



17

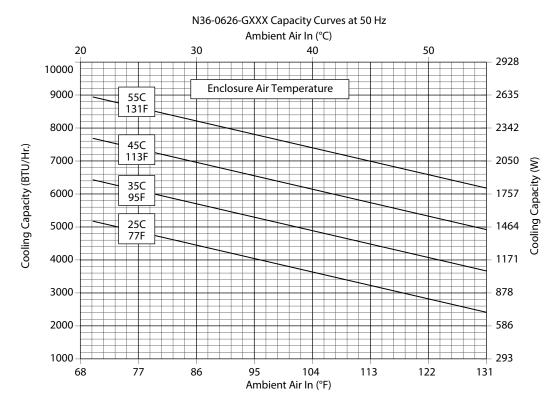
Performance Curves for N36 Models 6000 BTU/Hr. (1758 Watt)

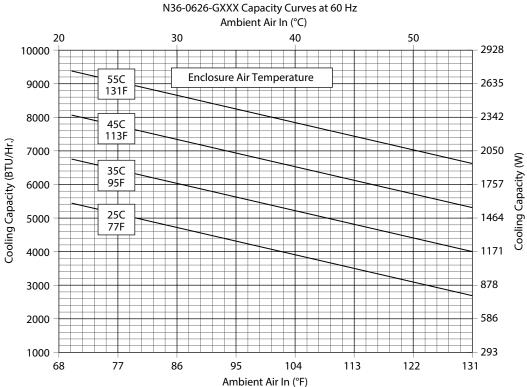






Performance Curves for N36 Models 6000 BTU/Hr. (1758 Watt)





131

122

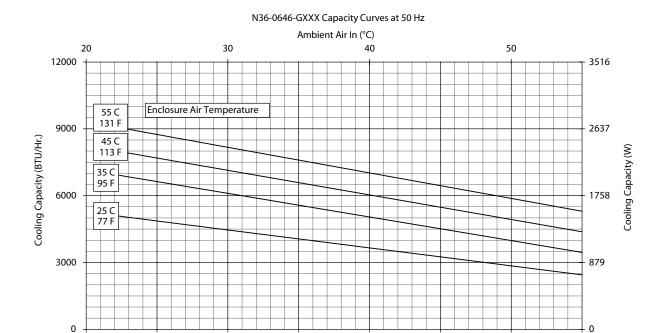


Performance Curves for N36 Models 6000 BTU/Hr. (1758 Watt)

77

86

68

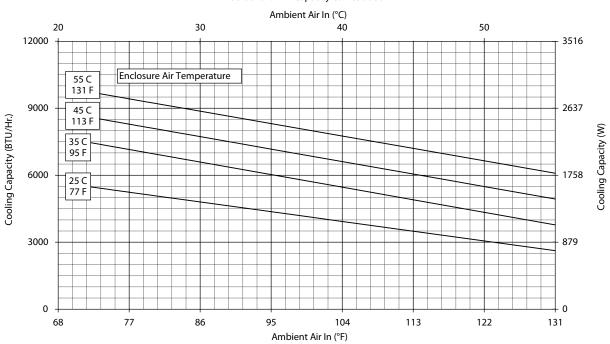


N36-0646-GXXX Capacity Curves at 60 Hz

Ambient Air In (°F)

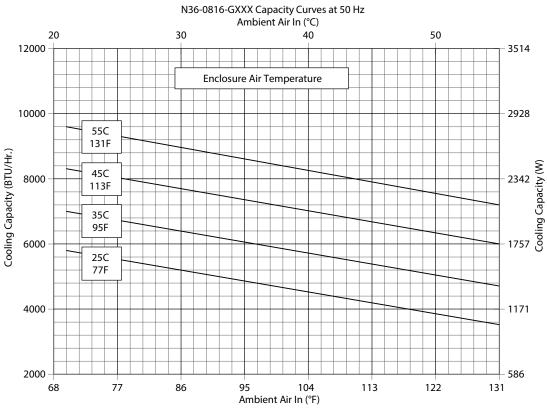
104

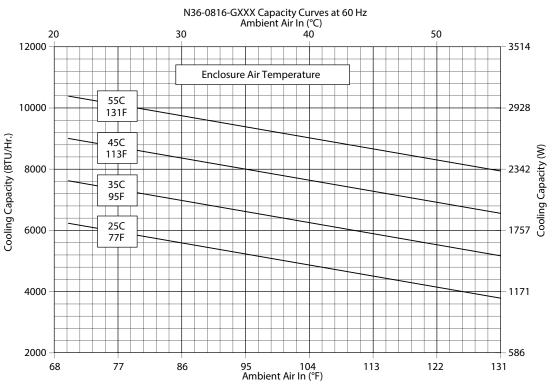
113





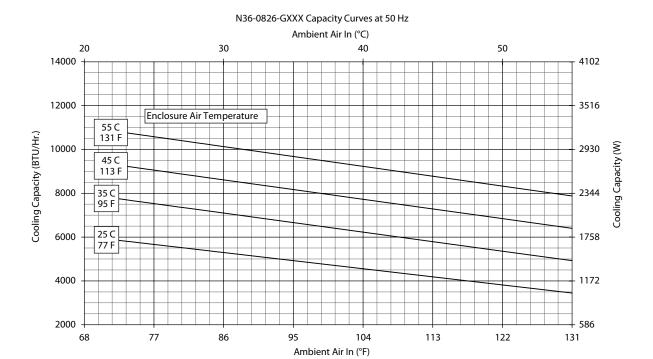
Performance Curves for N36 Models 8000 BTU/Hr. (2344 Watt)



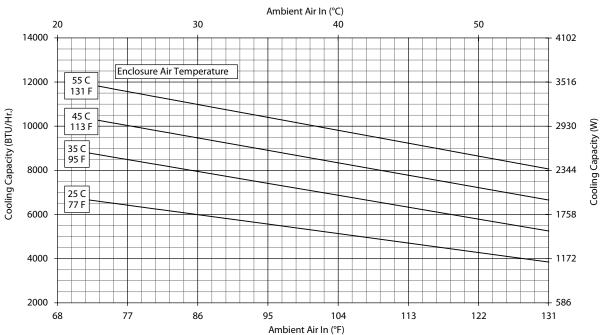




Performance Curves for N36 Models 8000 BTU/Hr. (2344 Watt)

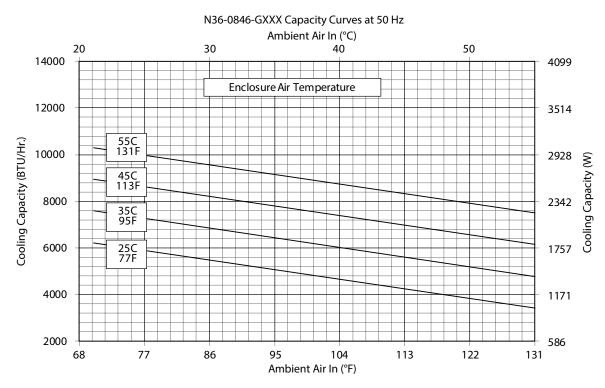








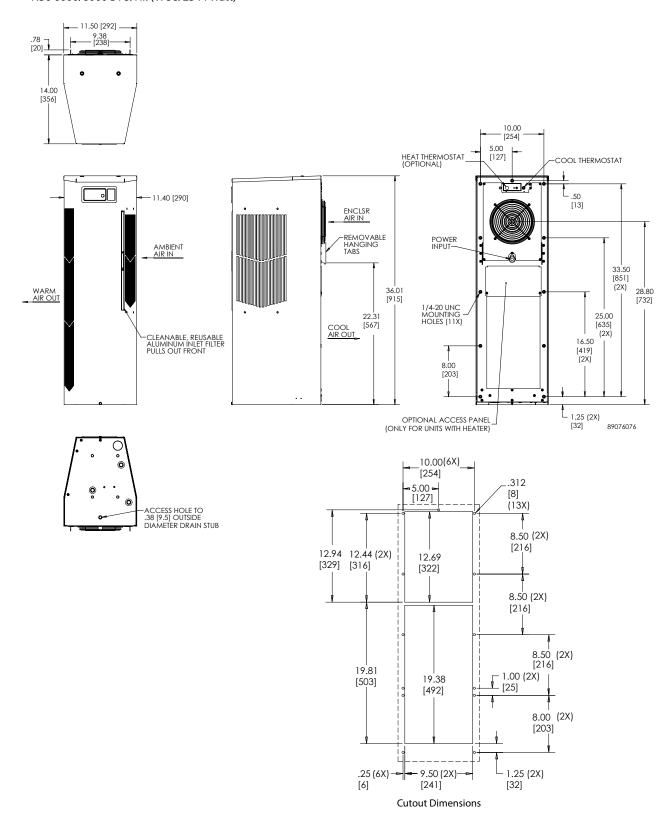
Performance Curves for N36 Models 8000 BTU/Hr. (2384 Watt)



N36-0846-GXXX Capacity Curves at 60 Hz Ambient Air In (°C) **Enclosure Air Temperature** 55C 131F Cooling Capacity (BTU/Hr.) Cooling Capacity (W) 45C 113F 35C 95F 25C 77F Ambient Air In (°F)



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
ndoor Model ndoor Model Stainless Steel Type 4X	N431216G050 N431216G051	N431226G050 N431226G051	N431246G050 N431246G051
ndoor Model Stalliess Steel Type 4X ndoor Model with Remote Access Control*	N431216G051 N431216G060	N431226G051 N431226G060	N431246G060
Outdoor Model with Kernote Access Control 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	114012100101	114012200101	144012400101
Nominal:			
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	9669/10463
Watts (50 / 60 Hz)	3103 / 3277	2832/3054	2384/3066
At 95 F / 95 F (35 C / 35 C):			
BTU/Hr. (50 /60 Hz)	9475 / 10023	8713/9232	8352/9322
Watts (50 / 60 Hz)	2777 / 2937	2554/2706	2448/2732
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:	220 / 406	250 / 440	254 / 422
Internal loop 50 Hz (CFM / M ³ /Hr)	239 / 406	259 / 440	254 / 432
External loop 50 Hz (CFM / M ³ /Hr)	494 / 839	489 / 831	341 / 579
Internal loop 60 Hz (CFM / M ³ /Hr)	250 / 425	267 / 454	260 / 442
External loop 60 Hz (CFM / M ³ /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	
		CE	
Description of Description		Others available upon request	
Power Input Description ENCLOSURE PROTECTION		Terminal Block	
JL Type		Type 12, 3R, 4 Standard	
JE Type	Type 12, 3R, 4 Standard Type 4X Stainless Steel Optional		
CONTROLLER		Type 4X otaliness steel options	
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
INIT CONCEDUCTION			
UNIT CONSTRUCTION	33113211		
Material		Galvanized sheet metal standar Stainless steel optional	
Material			
		Stainless steel optional it-gray, semi-textured powder-coa	
Material Finish		Stainless steel optional it-gray, semi-textured powder-coa	
Material Finish UNIT DIMENSIONS		Stainless steel optional at-gray, semi-textured powder-coa Other colors available	
Material Finish UNIT DIMENSIONS Height (in / mm)		Stainless steel optional nt-gray, semi-textured powder-coa Other colors available 43.00 / 1092.2	

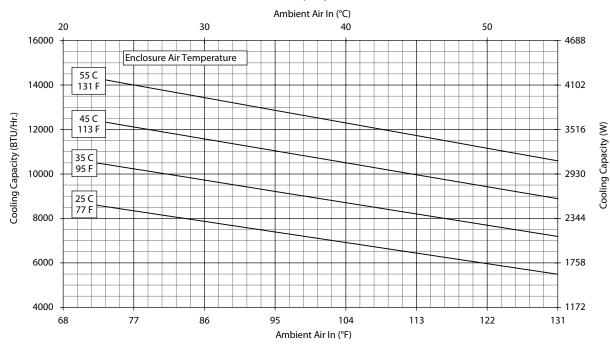
^{*}Units with Remote Access Control utilize a digital controller and communicate via EtherNet/IP, Profinet, Modbus TCP/IP and SNMP over ethernet or modbus RTU over USB.



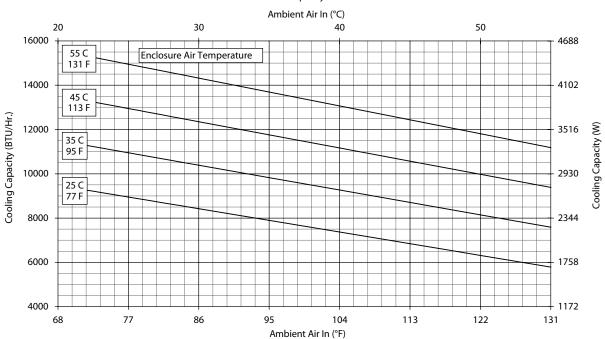
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Performance Curves for N43 Models 11000 BTU/Hr. (3223 Watt)

N43-1216-GXXX Capacity Curves at 50 Hz

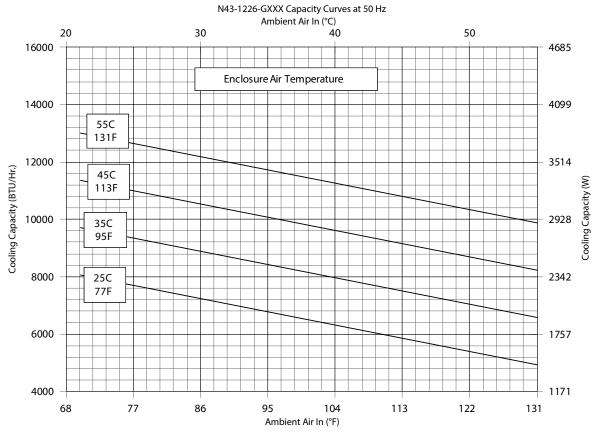


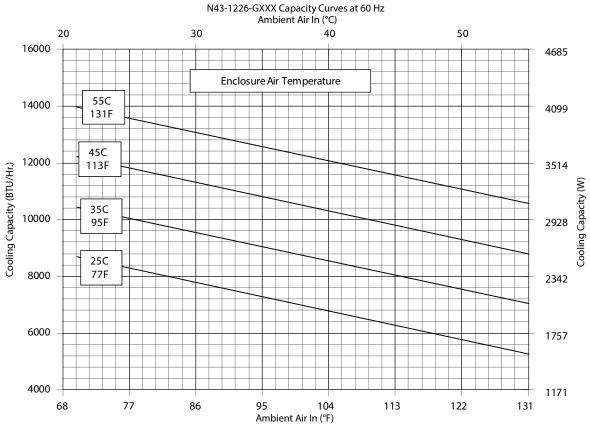
N43-1216-GXXX Capacity Curves at 60 Hz





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

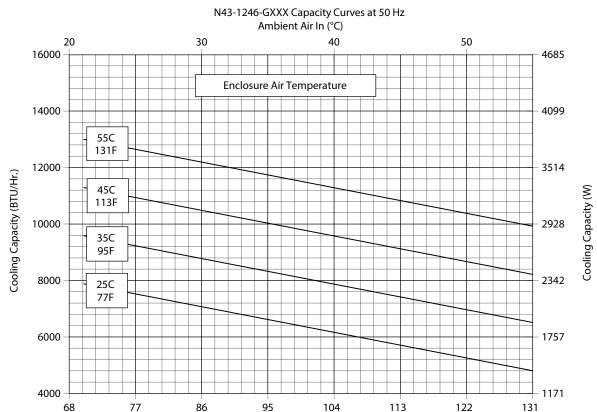


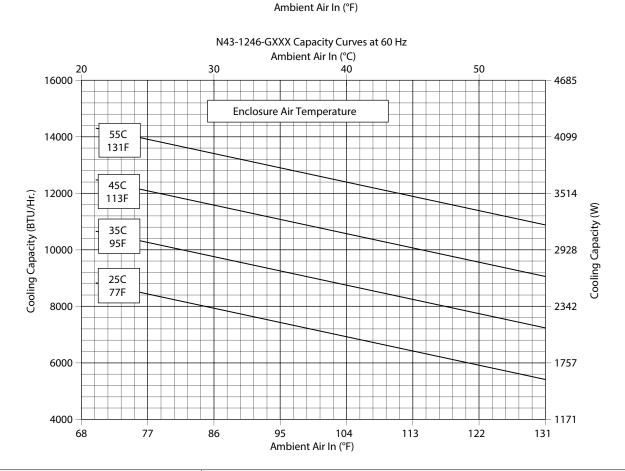




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Performance Curves for N43 Models 11000 BTU/Hr. (3223 Watt)

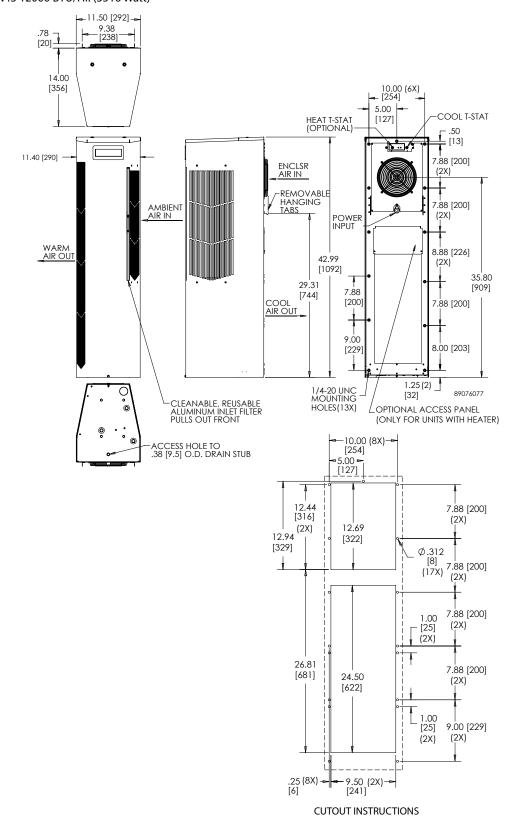




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N43 12000 BTU/Hr. (3516 Watt)



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