

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

NOTES

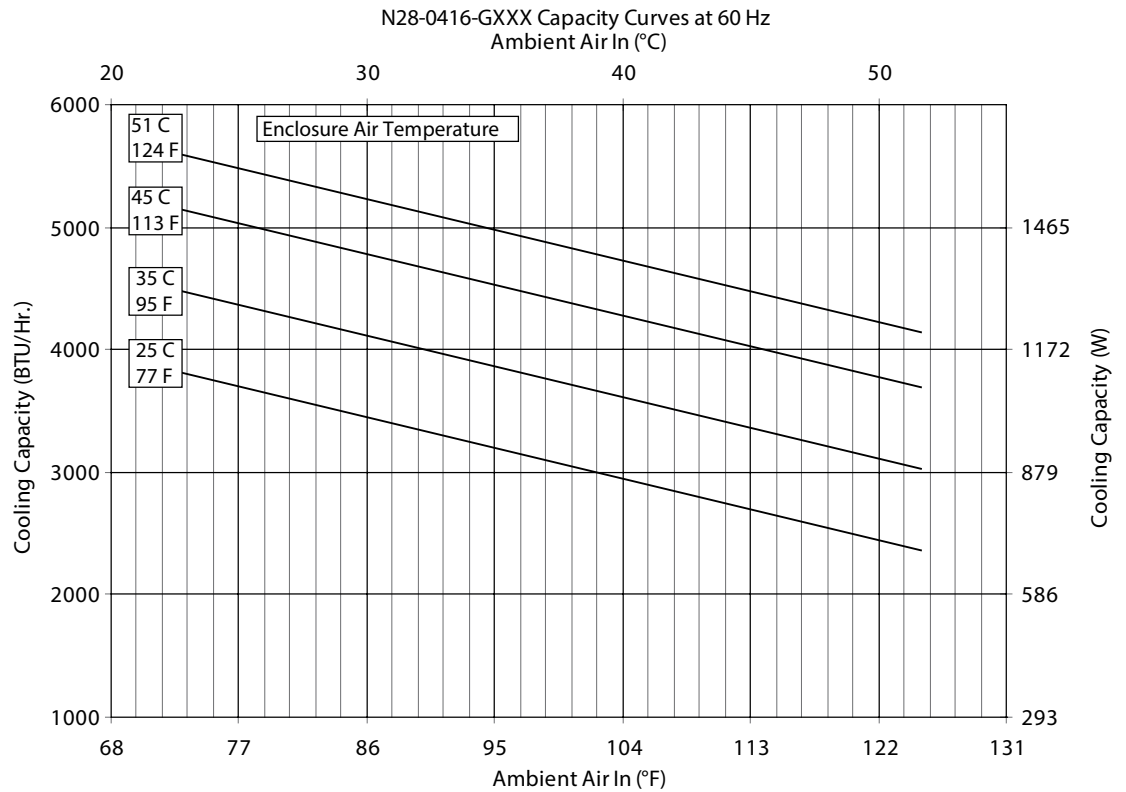
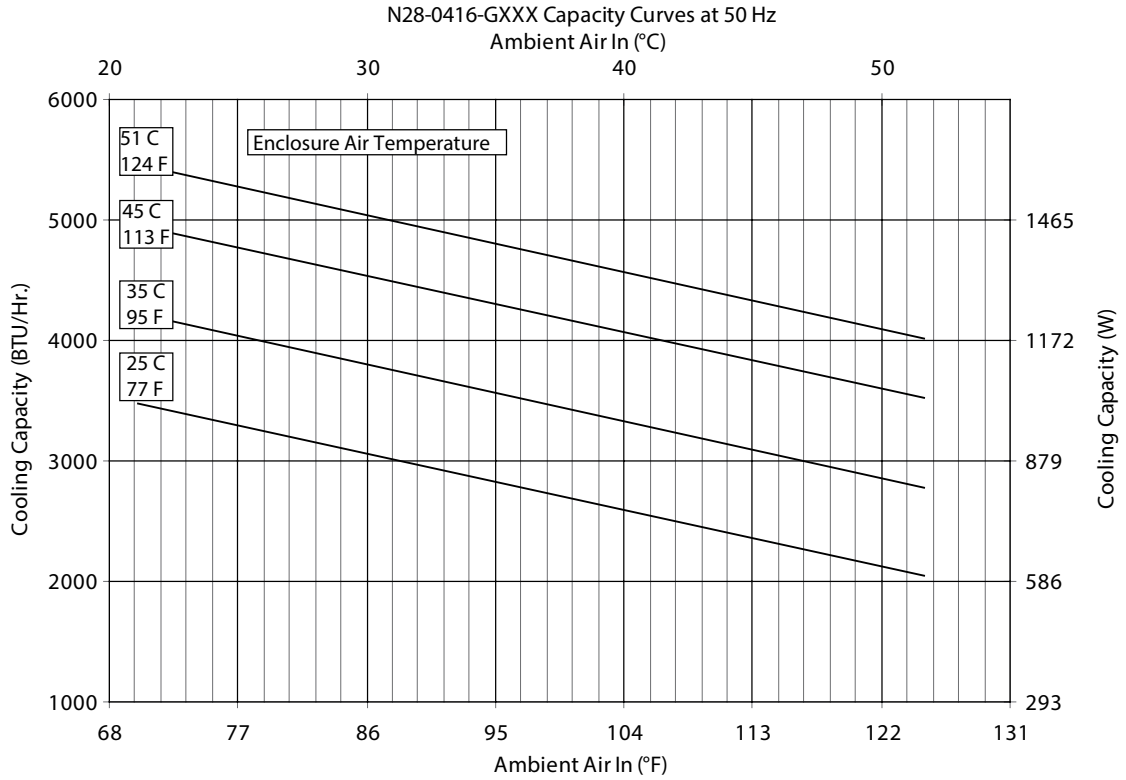
Visit www.PentairProtect.com to download 2D and 3D CAD drawings into the overall design of your electronic system.

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

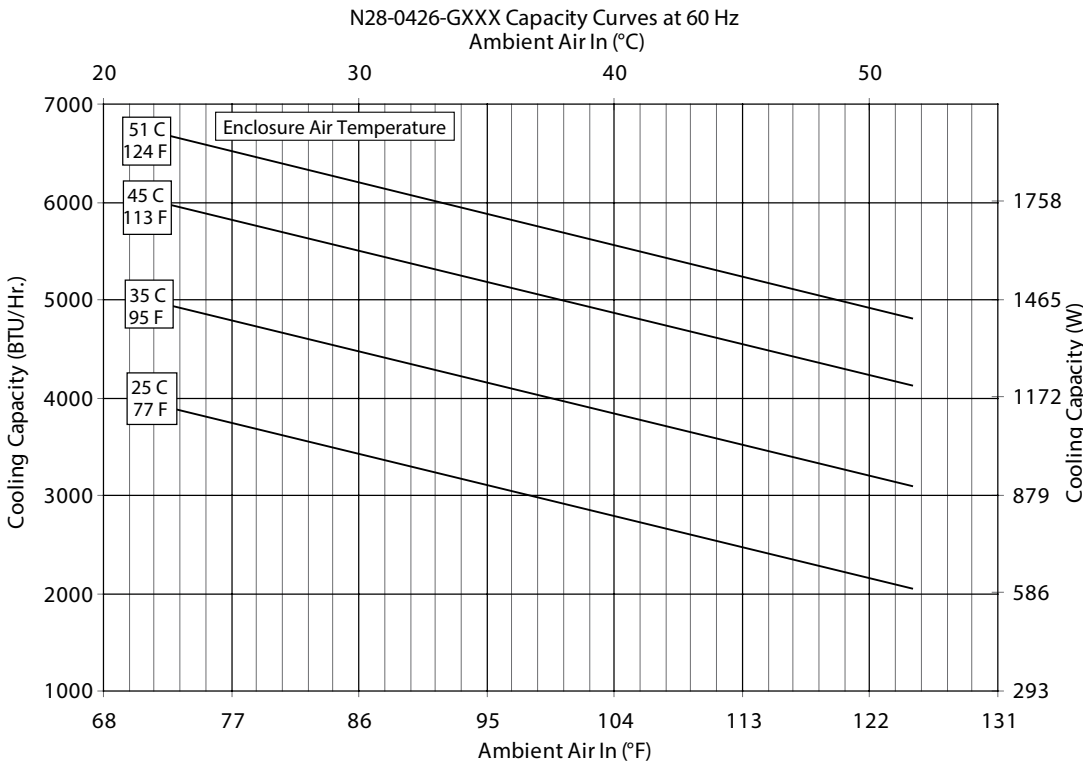
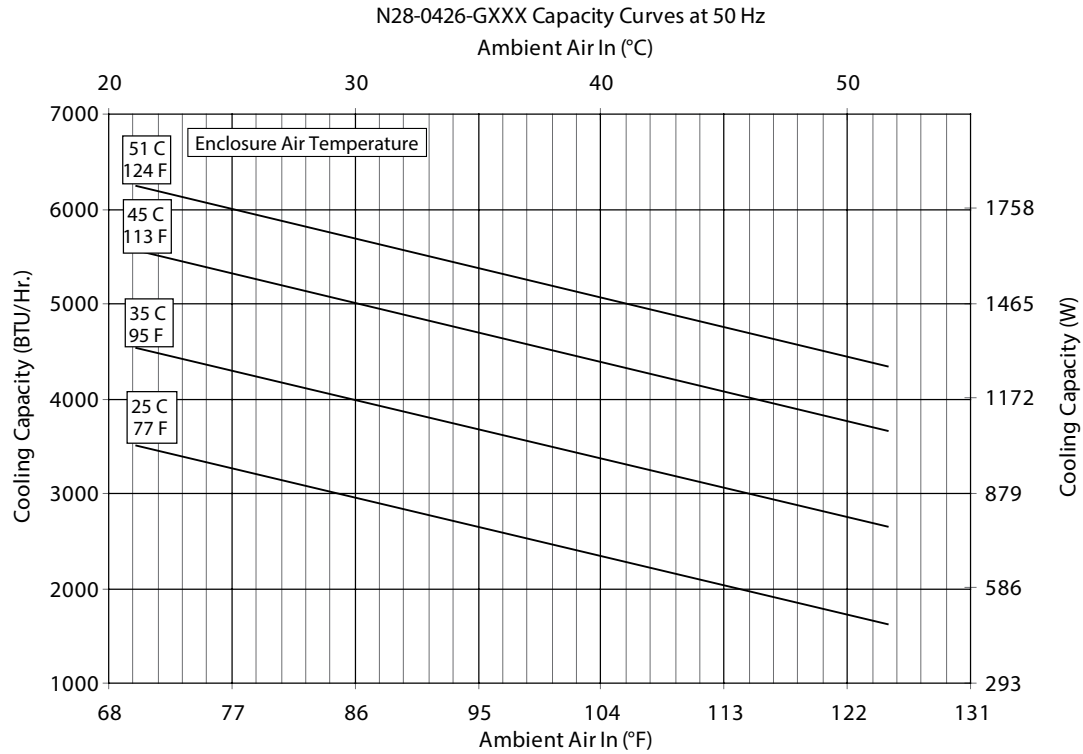
CATALOG NUMBER			
Indoor Model	N280416G050	N280426G050	N280446G050
Indoor Model Stainless Steel Type 4X	N280416G051	N280426G051	N280446G051
Indoor Model with Remote Access Control*	N280416G060	N280426G060	N280446G060
Outdoor Model without Heat Pkg.	N280416G100	N280426G100	N280446G100
Outdoor Model without Heat Pkg. Stainless Steel Type 4X	N280416G102	N280426G102	N280446G102
Outdoor Model with Heat Pkg.	N280416G150	N280426G150	—
Outdoor Model with Heat Pkg. Stainless Steel Type 4X	N280416G151	N280426G151	—
COOLING PERFORMANCE			
Nominal:			
BTUs/Hr.	3800 / 4000	3800 / 4000	4000
Watts	1114 / 1172	1114 / 1172	1172
At 125 F / 125 F (50 C / 50 C):			
BTU/Hr. (50 / 60 Hz)	3940 / 4104	4269 / 4703	4703
Watts (50 / 60 Hz)	1150 / 1000	1250 / 1378	1378
At 95 F / 95 F (35 C / 35 C):			
BTU/Hr. (50 / 60 Hz)	3754 / 4011	3700 / 4291	4291
Watts (50 / 60 Hz)	1100 / 1175	1086 / 1257	1257
Refrigerant	R134a	R134a	R134a
Refrigerant Charge (ounces/grams)	10 / 283	11 / 312	11 / 312
Operating Temperature Range:			
Maximum [°F / °C]	125/52	125/52	125/52
Minimum [°F / °C]	-40/-40	-40/-40	-40/-40
Air Flow at 0 Static Pressure:			
Internal loop 50 Hz (CFM / M ³ /Hr)	138 / 234	N/A	N/A
External loop 50 Hz (CFM / M ³ /Hr)	268 / 455	N/A	N/A
Internal loop 60 Hz (CFM / M ³ /Hr)	143 / 362	143 / 243	143 / 243
External loop 60 Hz (CFM / M ³ /Hr)	288 / 728	288 / 489	288 / 489
Max. Heater W (Outdoor Models)	1300	1300	1300
ELECTRICAL DATA			
Rated Voltage	110 / 115	230	460
Frequency (Hz)	50 / 60	50 / 60	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)	10.6 / 10.0	4.9 / 5.0	2.5
Starting Current (Amps)	40	24.5	12.5
Agency Approvals		cUL Listed CE	
Power Input Description		Others available upon request 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	
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 Stainless steel optional	
Finish		RAL 7035 light-gray, semi-textured powder-coat paint standard Other colors available	
ACCESSORIES			
EASYSWAP Adaptor Plenum (GENESIS™ M33)		Enables SPECTRACOOL to be mounted to a GENESIS M33 air conditioner cutout Catalog Number PLM33N28	
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, Modbus TCP/IP and SNMP over ethernet or modbus RTU over USB.

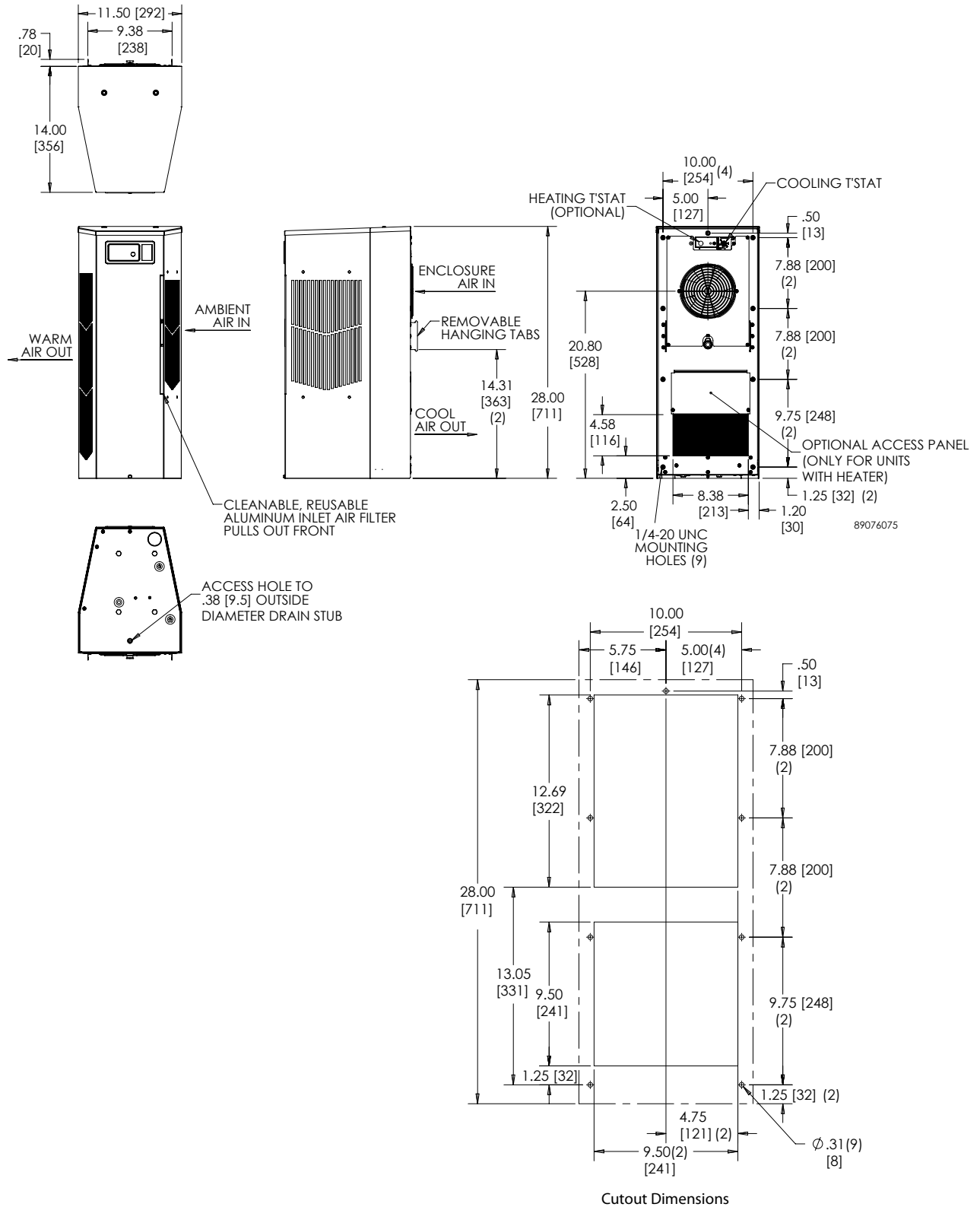
Performance Curves for N28 Models 4000 BTU/Hr. (1172 Watt)



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