

SpectraCool Narrow Indoor/Outdoor



N43
11000 BTU/Hr
3223 Watt

N36
6000 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
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

SPECIFICATION

- 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

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, R134a and R513A 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

Please note that some features have been added or removed. For a comprehensive list of features, please reach out to your DDB sales representative.



Indoor and Outdoor Enclosures Cooling

- LTE • 5G • Small Cell/DAS • Back Haul • Security • Intelligent Traffic • Military • Fiber Optic • Utility • Wi-Fi • Base Station •

PERFORMANCE DATA N2I 2000 BTU/HR (586 WATT) MODELS

Catalog Number ***DDB models included standard 2 year warranty with parts ending in P2YP***

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 with Heat Pkg.	N280416G150	N280426G150	-
Outdoor Model with Heat Pkg. Stainless Steel Type 4X	N280416G151	N280426G151	N280446G151

Cooling Performance

Nominal:			
BTU/Hr (50/60Hz)	3800/4000	3800/4000	3800/4000
Watts (50/60Hz)	1114/1172	1114/1172	1114/1172
At Maximum Operating Temperatures:			
BTU/Hr (50/60Hz)	3940/4104	4269/4703	4269/4703
W(50/60Hz)	1150/1000	1250/1378	1250/1378
At 95°F/95°F (35°C/35°C):			
BTU/Hr (50/60Hz)	3754/4011	3700/4291	3700/4291
W(50/60Hz)	1100/1175	1086/1257	1086/1257
Refrigerant	R134a or R513A	R134a or R513A	R134a or R513A
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
Airflow at 0 Static Pressure:			
Internal loop 50Hz (CFM/m ³ /hr)	138/234	138/234	138/234
External loop 50Hz (CFM/m ³ /hr)	268/455	268/455	268/455
Internal loop 60Hz (CFM/m ³ /hr)	143/243	143/243	143/243
External loop 60Hz (CFM/m ³ /hr)	288/489	288/489	288/489
Max. Heater W (Outdoor Models)	1300	1300	N/A

Electrical Data

Rated Voltage	115	230	460V 1PH
Frequency (Hz)	50/60	50/60	50/60
Operating Range	+/- 10%	+/- 10%	+/- 10%
Max. Power Consumption (Watts at 50/60Hz)	971/1116	975/1104	1104
Max. Nominal Current (Amps at 50/60Hz)	10.1/11.2	4.9/5.0	2.5
Starting Current (Amps)	40	24.5	12.5
Agency Approvals	cUL Listed CE Others available upon request		
Power Input Description	Terminal Block	Terminal Block	Terminal Block

Enclosure Protection

UL Type	Type 12, 3R, 4 standard Type 4X Stainless steel optional
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Controller

Description	Basic mechanical thermostat
Thermostat Location	Enclosure side
Factory Thermostat Setting (°F/°C)	80/27

Sound Level

At 1.5 Meters	64.4 dB(A)	65.5 dB(A)	65.5 dB(A)
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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

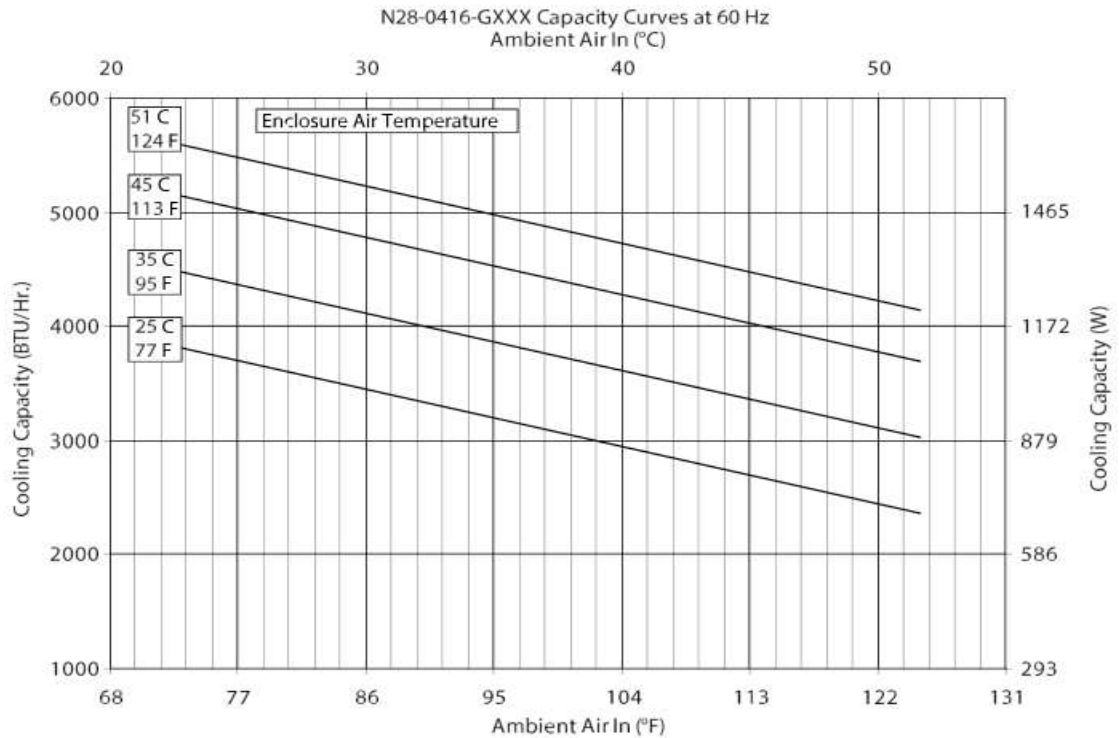
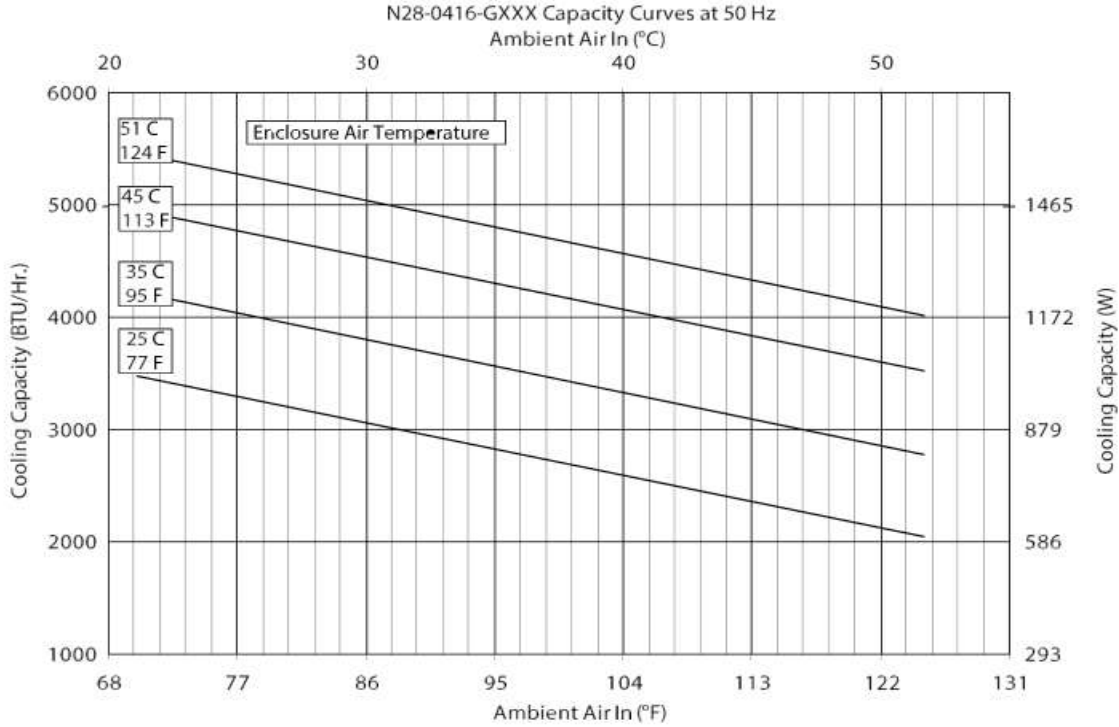
EASYSWAP Adaptor Plenum (GENESIS M33)	Enables SPECTRACOOOL to be mounted to a GENESIS M33 air conditioner cutout Catalog Number PLM33N28
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Unit Dimensions

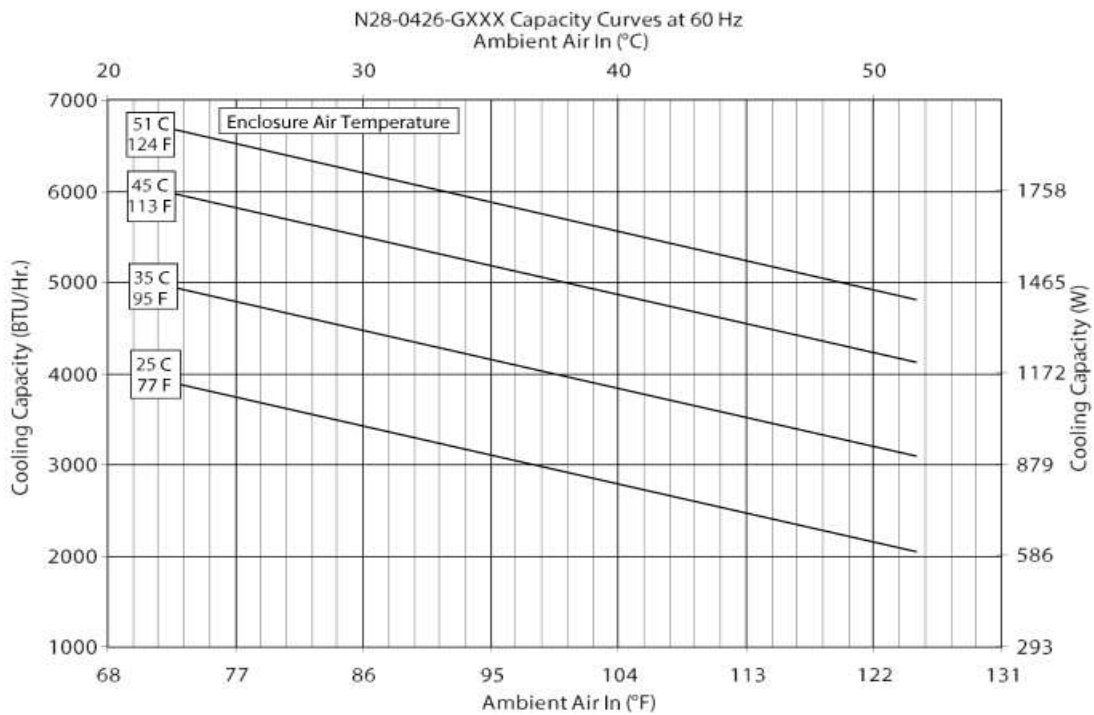
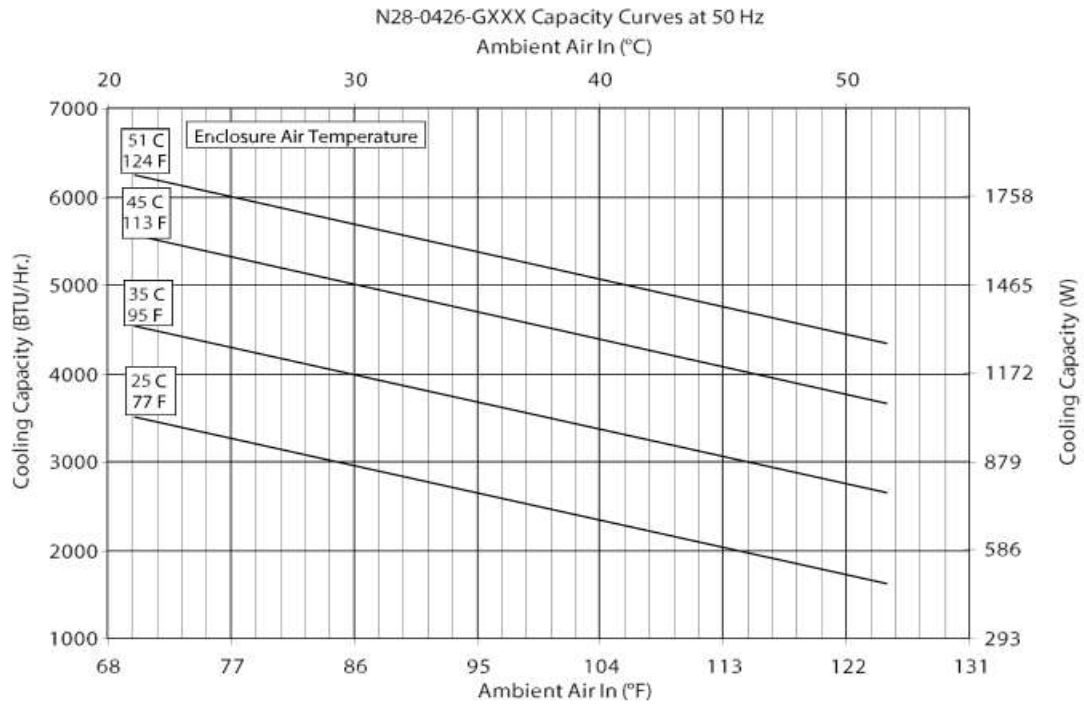
Height (in/mm)	28/711.2		
Width (in/mm)	11.50/292.1		
Depth (in/mm)	14.00/355.6		
Weight (lb/kg)	84/38	84/38	92/41.7

*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.

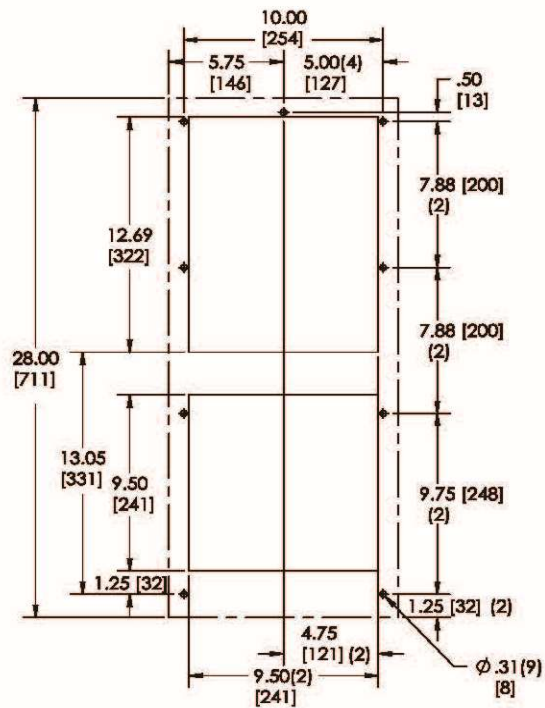
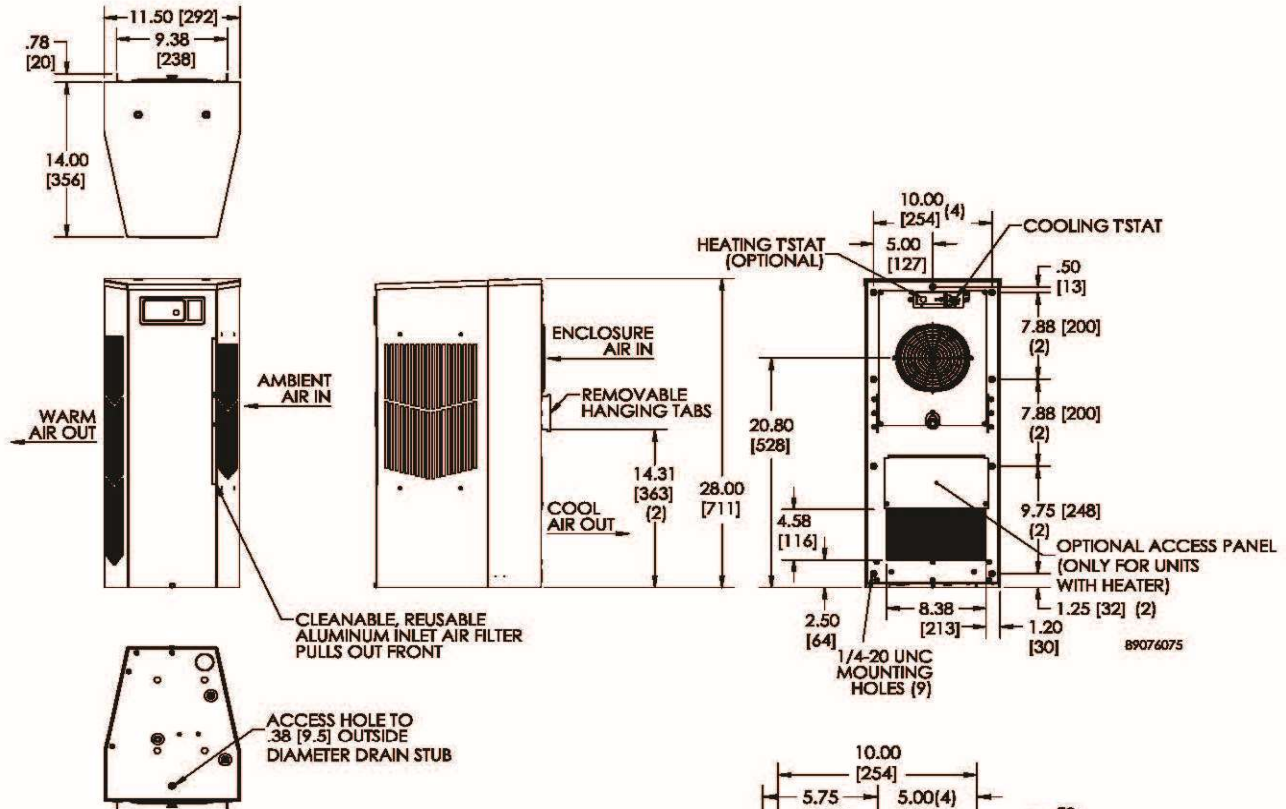
PERFORMANCE CURVES FOR N28 MODELS 4000 BTU/HR (1172 WATT)



PERFORMANCE CURVES FOR N28 MODELS 4000 BTU/HR (1172 WATT)



N28 MODELS 4000 BTU/HR (1172 WATT)



Cutout Dimensions