

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.

PERFORMANCE DATA N36 6000/8000 BTU/HR (1758/2344 WATT)

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

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. Stainless Steel Type 4X	N360616G151	N360626G151	N360646G151	N360816G151	N360826G151	N360846G151

Cooling Performance

Nominal:						
BTU/Hr (50/60Hz)	5400/6000	5400/6000	5400/6000	7100/7800	7400/8000	8250/8500
Watts (50/60Hz)	1581/1757	1581/1757	1581/1757	2081/2286	2169/2345	2284/2401
At Maximum Operating Temperatures:						
BTU/Hr (50/60Hz)	5639/6217	5771/6410	5300/6089	7074/7754	7444/7955	7311/7940
W (50/60Hz)	1653/1822	1691/1879	1553/1785	2073/2272	2182/2331	2143/2327
At 95°F/95°F (35°C/35°C):						
BTU/Hr (50/60Hz)	5104/5654	5613/5647	5572/6026	6248/6739	6515/6855	6448/6716
W (50/60Hz)	1496/1657	1645/1655	1633/1766	1831/1975	1909/2009	1890/1968
Refrigerant	R134a or R513A	R134a or R513A	R134a or R513A	R134a or R513A	R134a or R513A	R134a
Refrigerant Charge (ounces/grams)	20/567	22/624	16/454	27/765	32/907	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
Airflow at 0 Static Pressure:						
Internal loop 50Hz (CFM/m ³ /hr)	251/426	250/425	250/425	250/425	245/416	243/413
External loop 50Hz (CFM/m ³ /hr)	284/483	338/574	338/574	353/600	347/589	365/620
Internal loop 60Hz (CFM/m ³ /hr)	261/443	261/443	261/443	263/447	258/439	254/432
External loop 60Hz (CFM/m ³ /hr)	311/528	356/605	356/605	396/673	382/648	394/669
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 50/60Hz)	914/1074	949/1097	697/895	1100/1333	1199/1476	1327/1647
Max. Nominal Current (Amps at 50/60Hz)	8.6/9.4	4.7/5.0	1.59/1.69	9.9/11.6	5.1/6.6	3.0/3.3
Starting Current (Amps)	39.5	21.0	8.1	38.0	19.0	16.0
Agency Approvals	cUL Listed CE Others available upon request					
Power Input Description	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	66.9 dB(A)	66.7 dB(A)	68.2 dB(A)	74.5 dB(A)	66.0 dB(A)	66.0 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

Accessories

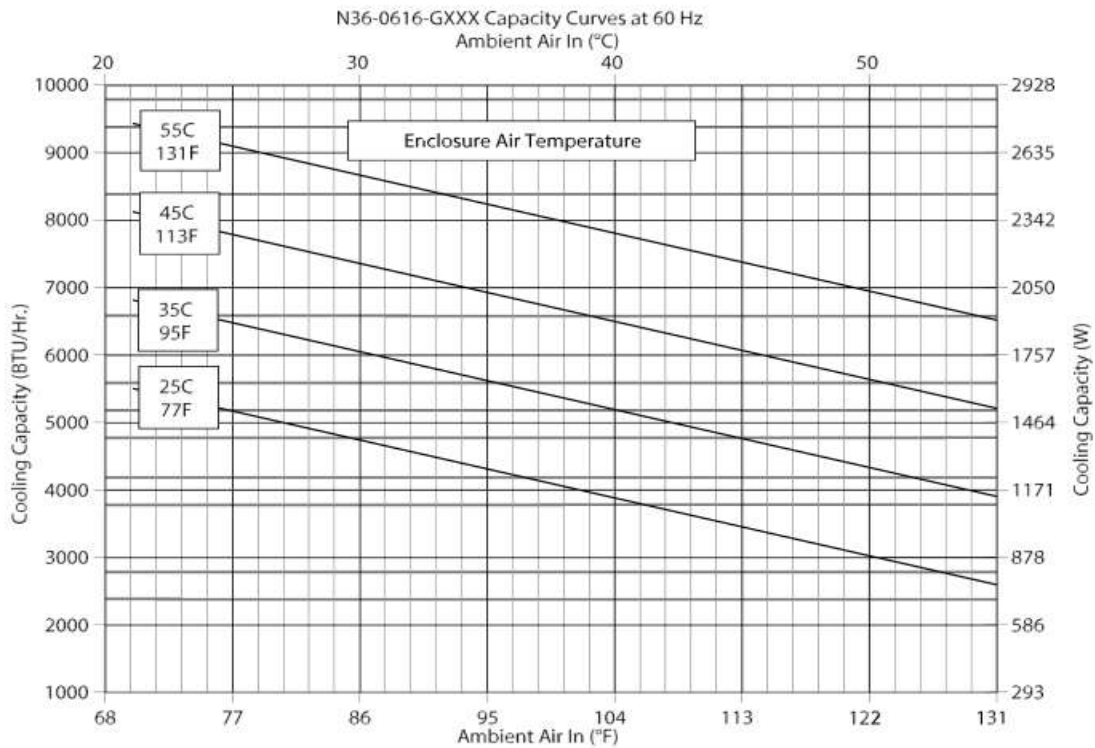
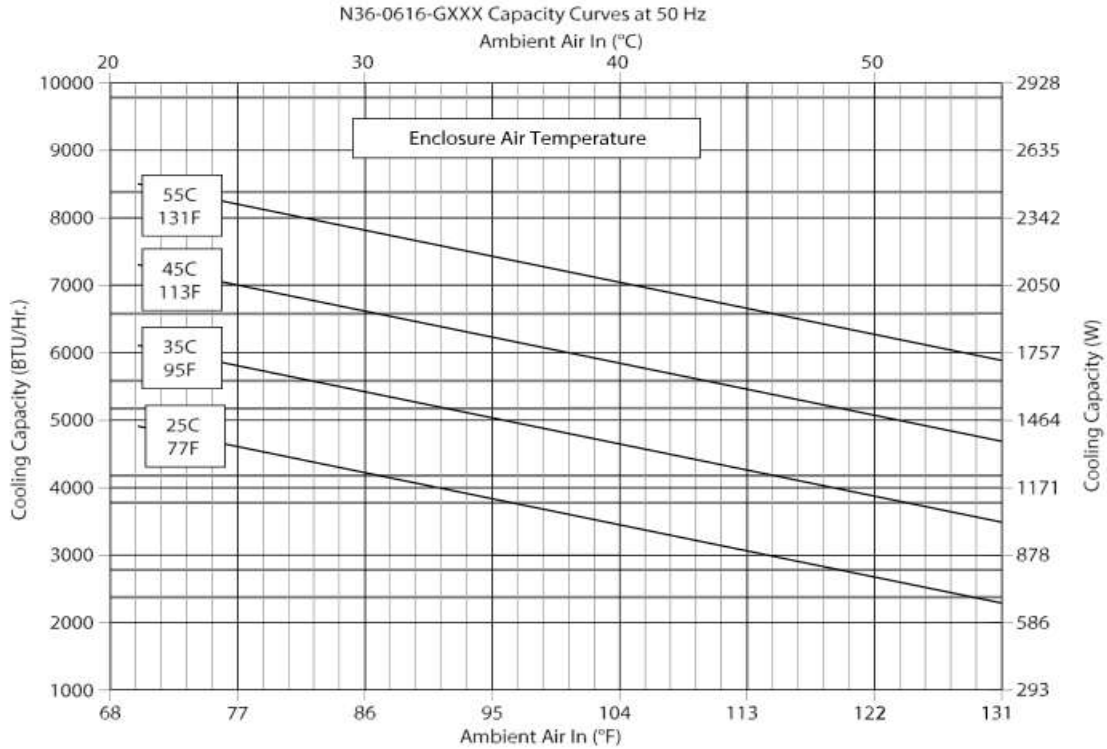
EASYSWAP Adaptor Plenum (GENESIS M33)	Enables SPECTRACOOOL to be mounted to a GENESIS M36 air conditioner cutout Catalog Number PLM36N36
---------------------------------------	---

Unit Dimensions

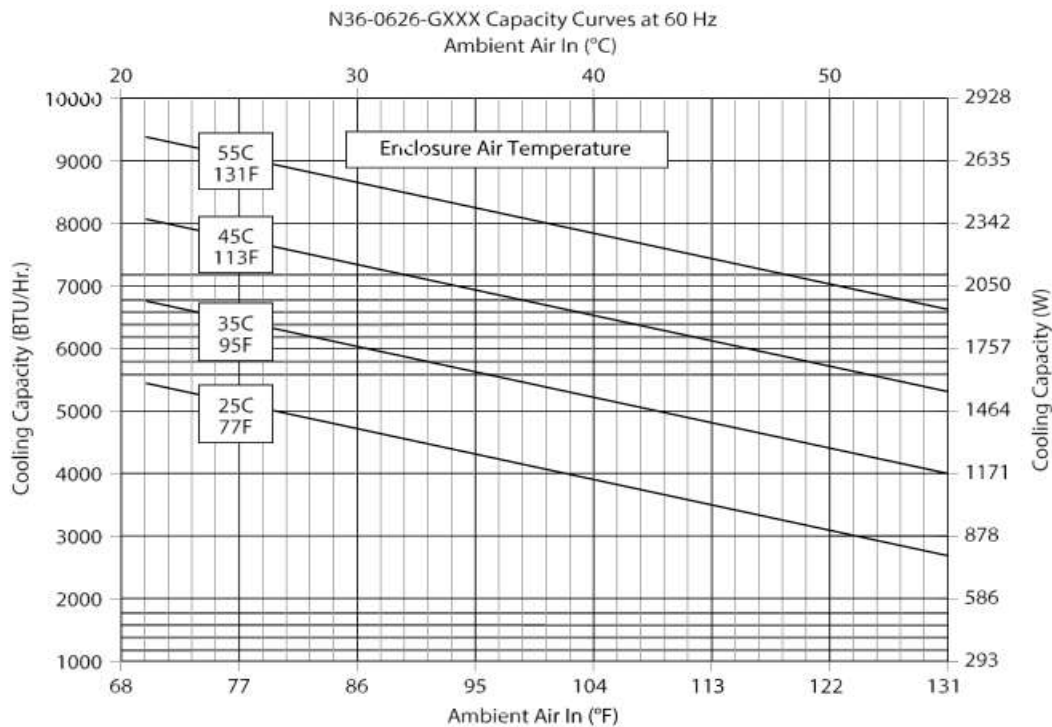
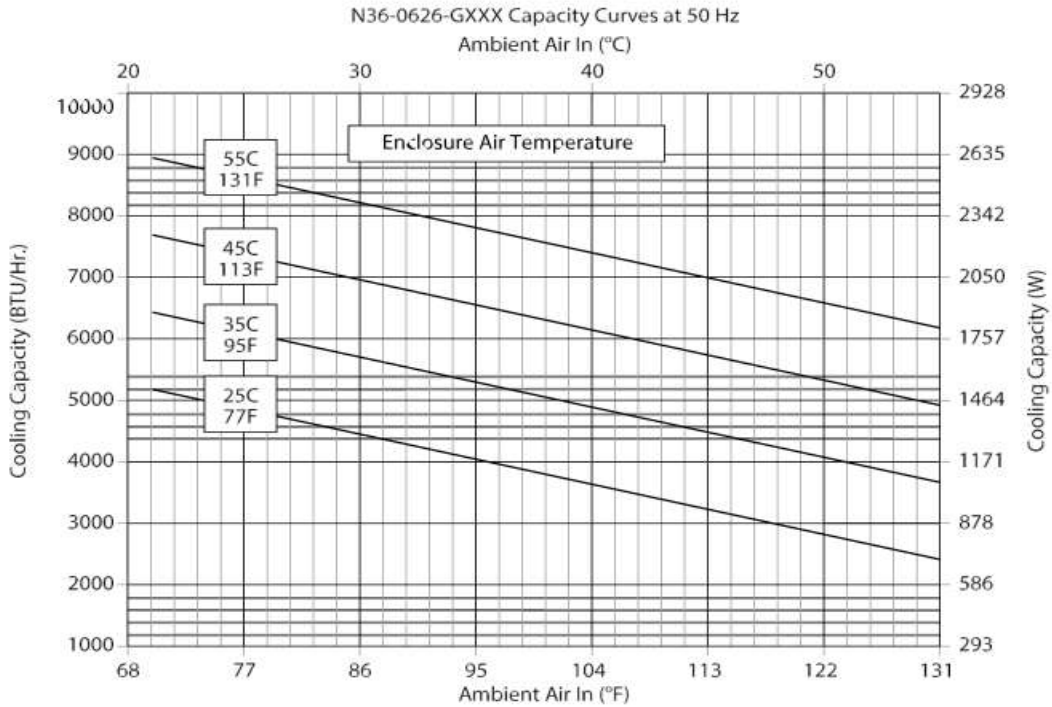
Height (in/mm)	36.00/914.4					
Width (in/mm)	11.50/292.1					
Depth (in/mm)	14.00/355.6					
Weight (lb/kg)	100/45	100/45	104/47	106/48	106/48	114/52

*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.

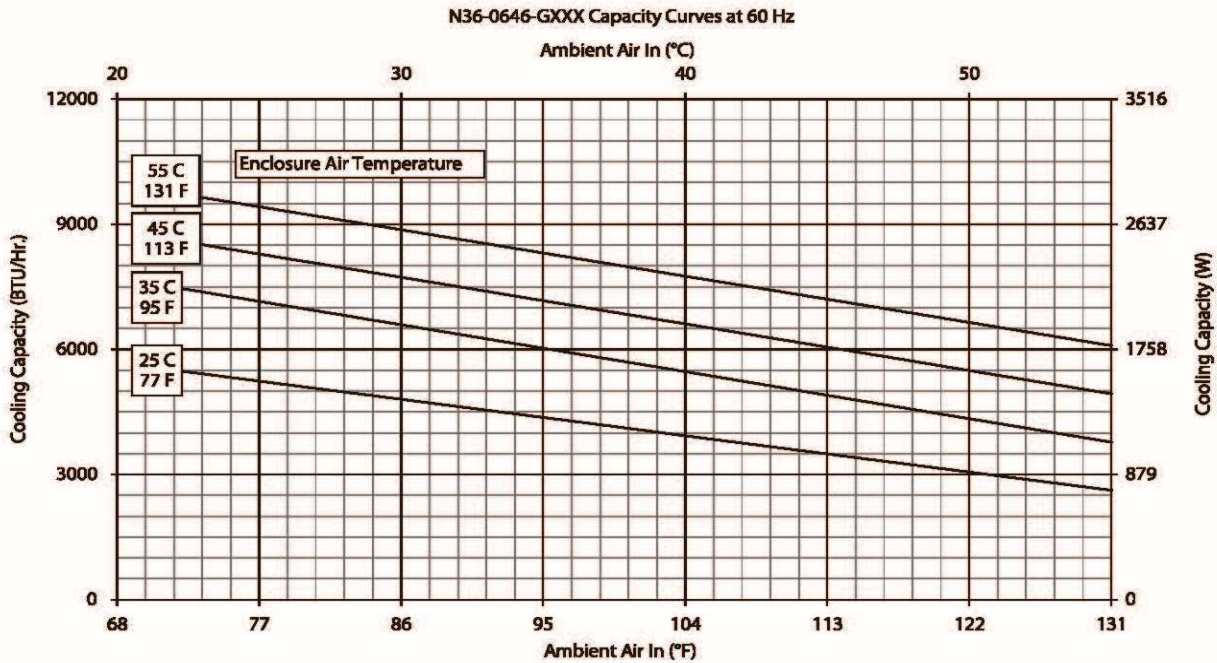
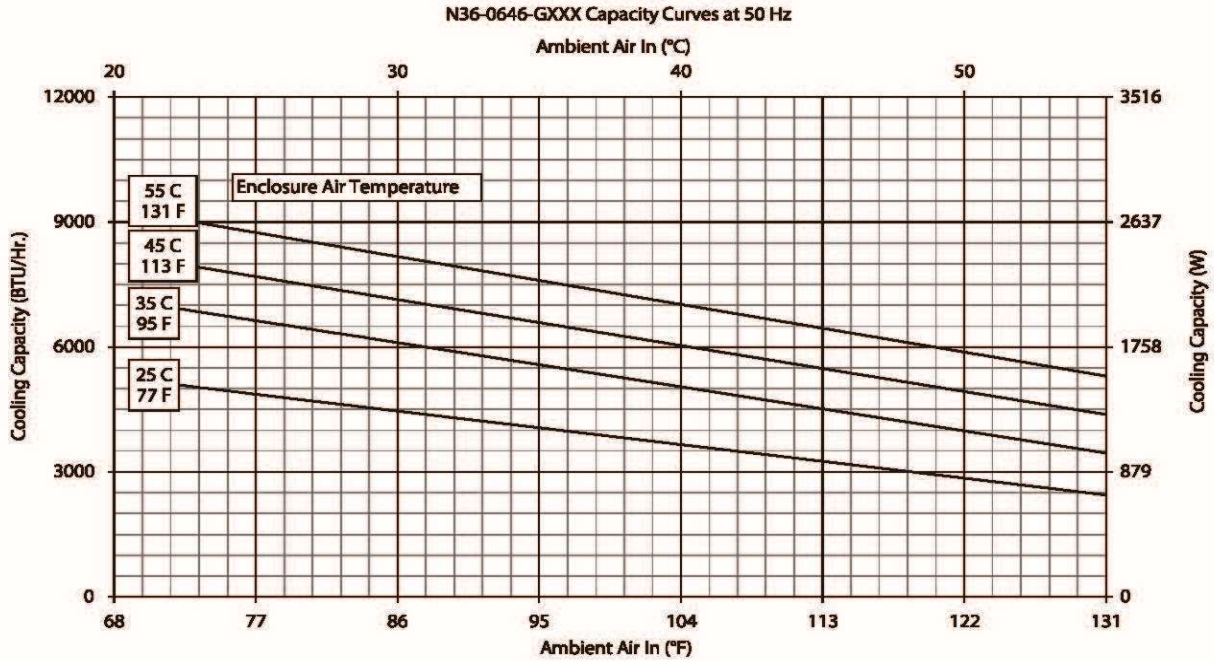
PERFORMANCE CURVES FOR N36 MODELS 6000 BTU/HR (1758 WATT)



PERFORMANCE CURVES FOR N36 MODELS 6000 BTU/HR (1758 WATT)



PERFORMANCE CURVES FOR N36 MODELS 6000 BTU/HR (1758 WATT)



N36 6000/8000 BTU/HR (1758/2344 WATT)

