

SpectraCool with Advanced Corrosion Protection



AIR CONDITIONER SPECIFICATION GUIDE

1.0 GENERAL

This section contains specs and agency ratings specific to all SpectraCool with Advanced Corrosion Protection Air Conditioners.

A self-contained, vertical air conditioner to be manufactured by nVent HOFFMAN. The unit shall be rated Type 12, Type 3R, Type 4 or Type 4X as defined by Underwriters Laboratories. The unit shall be rated GR-487 capable as defined by Telecordia standards. The unit shall be designed and constructed according to the Essential Health & Safety requirements of the relevant European directives. Unit shall be factory assembled and ready to operate.

Manufacturer: Air conditioners shall be nVent HOFFMAN SpectraCool with Advanced Corrosion Protection Air Conditioners.

1.2 OPERATING TEMPERATURE

This applies to all SpectraCool with Advanced Corrosion Protection Air Conditioners.

Air conditioning unit shall operate in conditions of -40°F to 131°F or -40°C to 55°C.

1.3 VOLTAGES

Select the power input that is required for your specific application.

Air conditioning unit shall be 115 volt power input.

Air conditioning unit shall be 230 volt power input.

Air conditioning unit shall be 400/460 volt power input.

1.4 FINISH (SELECT ONE)

Air conditioning unit shall be painted galvanized steel and RAL 7035 light gray semi-textured powder-coat paint.

Air conditioner unit shall be no. 4 brushed 316 stainless steel.

2.0 UNIT CONSTRUCTION AND FEATURES

Air conditioning unit shall be constructed of painted galvanized steel or stainless steel. Unit shall be equipped with malfunction switch and mechanical thermostat behind the cover of the unit. Unit shall have power-off relay for door switch and active condensate management with heater strip. Unit shall be equipped with condenser heater. Units shall operate on either R407c or R134a refrigerant.

3.0 CORROSION RESISTANT PROPERTIES (SELECT ONE)

3.1 LEVEL ONE PROTECTION

Air conditioning unit shall have phenolic coating on thermostat and TXV solder joints to include sensing bulb joints and copper to protect against corrosion. All exposed copper in unit shall be coated with phenolic coating to protect against corrosion. All solder joints in unit shall be coated with phenolic coating for protection against corrosion. Unit shall have phenolic coating on condenser coil to protect against corrosion by method of e-coating to ensure consistency.

3.2 LEVEL TWO PROTECTION

Air conditioning unit shall have phenolic coating on thermostat and TXV solder joints to include sensing bulb joints and copper to protect against corrosion. All exposed copper in unit shall be coated with phenolic coating to protect against corrosion. All solder joints in unit shall be coated with phenolic coating for protection against corrosion. Unit shall have phenolic coating on condenser coil to protect against corrosion by method of e-coating to ensure consistency. Unit evaporator coil shall be coated with phenolic coating to protect against corrosion. Unit thermostat shall have additional protection with a foam wrap over components and coatings.

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4.0 ADDITIONAL INFORMATION BASED ON SELECTION

4.1 INDOOR MODELS

Air conditioner units that are indoor models shall have digital display on ambient side of unit.

4.2 STANDARD, NARROW, COMPACT MODELS (SELECT ONE)

4.2.1 STANDARD MODELS (Models with SKUs beginning in GXXXXXXXXXX)

Standard models shall range from 4,000 BTU/Hr. to 20,000 BTU/Hr. or 1,172 W to 5,861 W

Standard unit shall have dimensions that range from 28.59x17.01x11.18in to 57.69x20.87x15.28in.

4.2.2 NARROW MODELS (Models with SKUs beginning in N28XXXXXXXXX, N36XXXXXXXXX, N43XXXXXXXXX)

Narrow models shall range from 4,000 BTU/Hr. to 11,000 BTU/Hr. or 1,172 W to 3,223 W. Narrow units shall have dimensions that range from 28x11.5x14in to 43x11.5x14in

4.2.3 COMPACT UNITS (Models with SKUs beginning in (N16XXXXXXXXX, N21XXXXXXXXX)

Compact models shall range from 800 BTU/Hr. to 2,000 BTU/Hr. or 235 W to 586 W. Compact units shall have dimensions that range from 16.51x7.52x6.30in to 25.17x10x9.90in.

5.0 OTHER

Must be UR and cUR recognized on the 460V N21 model, otherwise, must UL and cUL listed

6.0 ADDITIONAL RECOMMENDATIONS

Unit shall be furnished with a reusable aluminum mesh filter and can be run filterless due to dust resistant condenser coil

It is recommended to maintain one replacement aluminum mesh filter on-hand per unit size for easy and quick replacement

For More Product Information and Specifications please visit: HOFFMAN.nvent.com



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