Nitrotel Manufacturing
Low Voltage Products & Fiber Optic

Part No.
NTNSSCXXUYYY

PRODUCT DATA SHEET

Andromeda Seismic Server Cabinet

Nitrotel Andromeda Server 19inch Free Standing Rack Cabinet
H:42U-47U W:600 or 800mm D: 800, 900, 1000 or 1200 mm
- Heavy duty construction with welded front & rear frames, double layer vertical structure 3mm thickness total
- Single side panel up to 36U and U-height above 36U removable and lockable divided side panels
- Optional fan-units into the roof or 19inch rack mount type fan unit or vertical fan units for rear door
- Vertical mounting rails are adjustable throughout the entire depth of the cabinet, multi folded rails 2mm thickness
- High load carrying capacity (standard 1500kg) - High-flow perforated front and rear doors
- Ready assembled construction

Technical Data

Material	SheetSteel,DINEN10130-99 /DC-01 6112/ DC-7122
Color	RAL 9005 Black
Load Carrying Capacity	1500kg / 3307lbs
IP rating	IP20
Standards	In accordance with the standard EN 61587-1: 2012 / EN 61010-1 / IEC 60917-IEC 60297 ISO9001-2015 IEC 61587-1 :2016 IEC 61587-2:2011 IEC 61587-3:2013 Telcordia GR-63-CORE-Seismic zone 4

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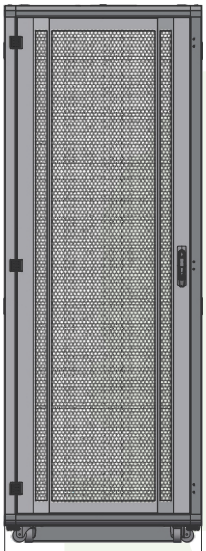
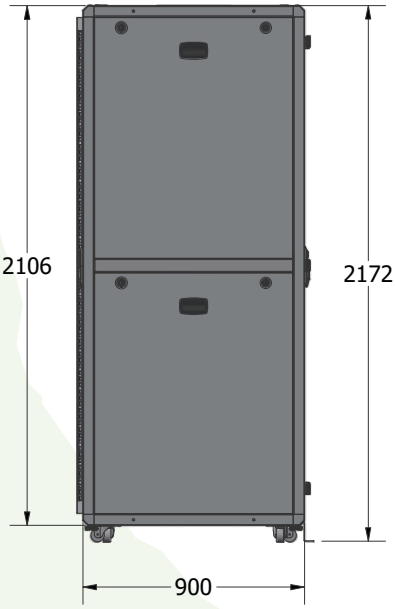
Andromeda Server 800 x 900mmm

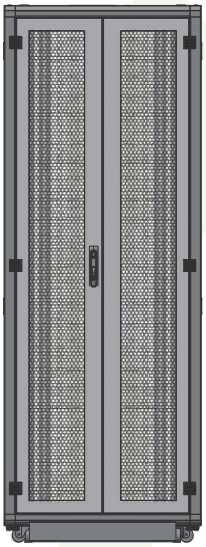
Front View



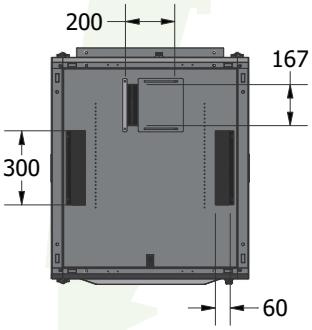
Side View



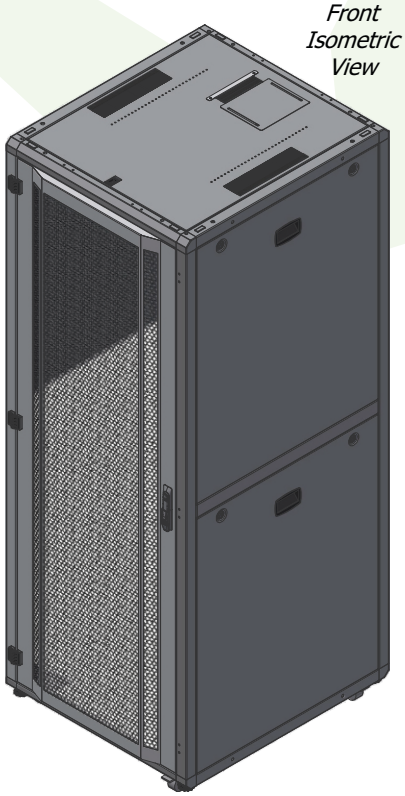
Rear View



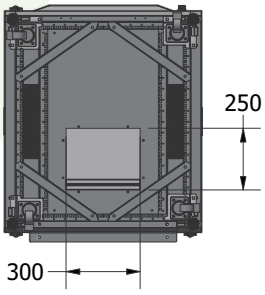
Top View



Front Isometric View



Bottom View



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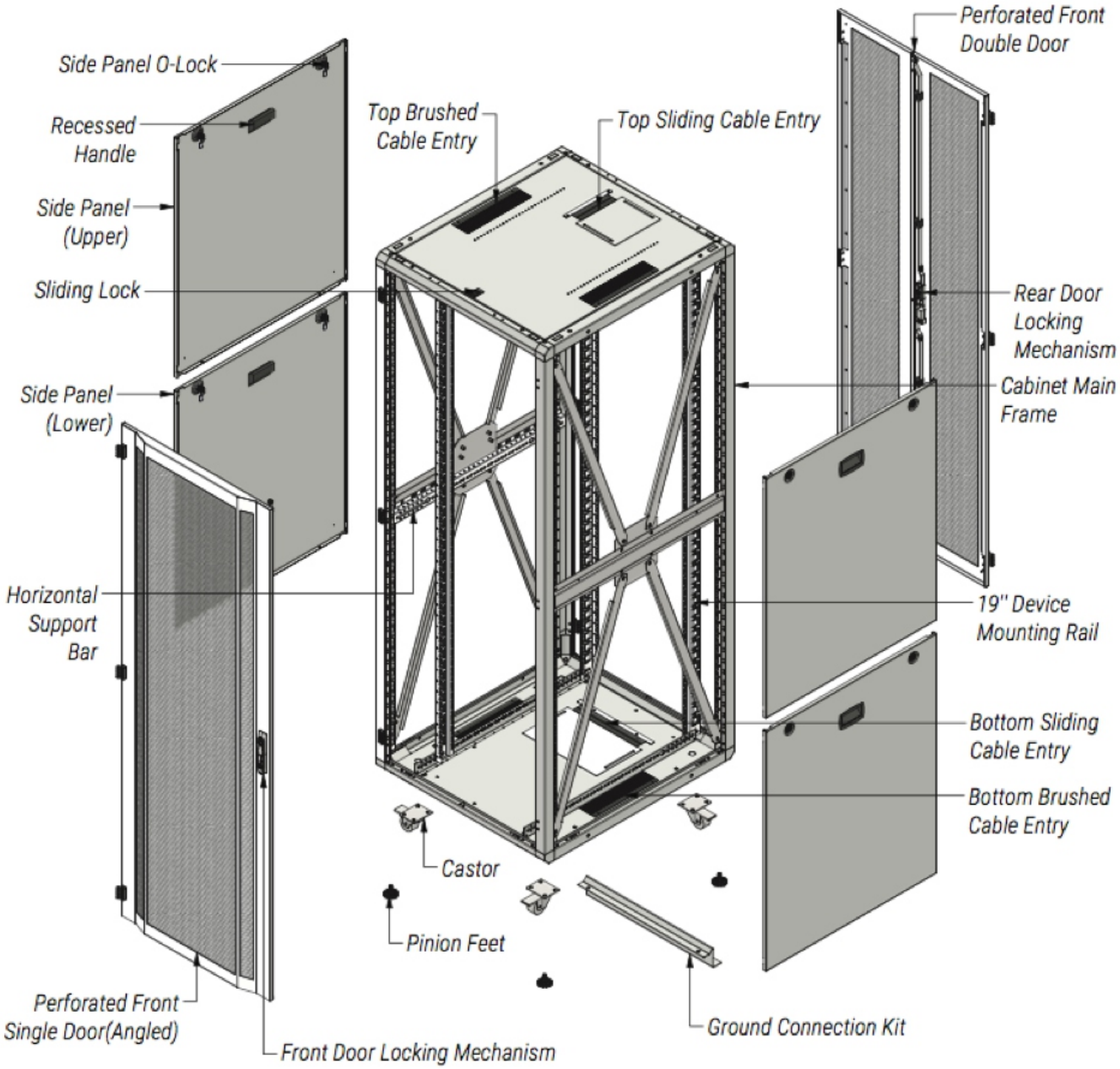
Exploded View



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Packaging

Product Code

NTSSCXXUYZ

- Deep(mm): 6(600), 8(800), 1(1000) 11(1100), 12(1200)
- Width(mm): 6(600), 8(800)
- U: 36, 42, 45, 47

Add “G” at end of part number for
Glass tempered door option

***The information given in the table above are average values and are for informational purposes only. It may vary according t o accessories and door options. Please contact our sales consultant for the exact information of your orders.*

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TECHNICAL SPECIFICATIONS
PROTECTION INDEX
IP20 According t oIEC 61587-1 :2016 / IEC 61587-2:2011 / IEC 61587-3:2013
IEC 60529
IP20

MECHANICAL PERFORMANCE
EN 61587-1 5.2.1 / 5.2.3
Static mechanical load test (Performance level SL 12)
Stiff ness test (PerformancelevelST5)
Dynamic mechanical load test (PerformancelevelDL4V)
Resonance point detection test Duration of lhe test at eachfrequencywas10 minutes
Vibration test (Sinus-lEC60068-2-6:Fc; 2007)
Shock test (IEC 60068-2-27:Ea; 1987) PerformancelevelDL4S
Impact test (IEC 60068-2-75:Eh; 2014) (PerformancelevelIK07)
Permissible load carrying capacity: 1505kg

CLIMATIC TESTS(PerformancelevelC2)
Cold(IEC 60068-2-1 :2007;Ab) Temperature of the exposure: -25°C +/-3°C
Dry heat (IEC 60068-2-2 :2007;Bd) Temperature of the exposure: +70°C +/-2°C
Damp heat cyclic (IEC 60068-2-30:2005;Db ; (cyclic2x), variant2)

INDUSTRIAL ATMOSPHERE (PerformancelevelA2)
Salt mist test IEC 60068-2-11
Salt Spray Test TS EN ISO 9227
Sulphur dioxide test and hydrogen sulphide test (IEC 60068-2-42, IEC 60068-2-43 and IEC 60068-2-49

GROUNDING CONTINUITY
EN61587-1/ EN61010-1
The continuity of the protection circuitis in accordance with the standard regulations. The measuredresistancewaslessthan0.1 Ohm.

TELCORDIA ZONE –4
Telcordia GR-63-CORE –IEC 60068-3-3

STANDARDS
1. ISO9001-2008 Quality management system must be used in the production of 19" Rack cabinets
2. 19" Rack Cabinets must have a TSE Certificate IEC 61587-1 :2016, IEC 61587-2:2011, IEC 61587-3:2013
3. IEC60917 –IEC 60297standards
4. CE Accordingthe IEC/ISO 17050 –EN 62208:2011 & EN 60335-1
5. In addition, all of the main and auxiliary materials used in the manufacturing process must comply with the following standards

SHEET METAL: TS EN ISO 9001:2008; TS EN 10130 :2006; DIN EN 1030-EQV; BS EN 1030-EQV; NF A36-401.

ELECTROSTATIC POWDER PAINT: ISO 9001:2015 ASTM D523; ASTM D2794; DIN EN ISO 2811-1; ASTM D1186/D1400;
Ral:9005 orRal:7035.

VENTILATION UNITS (Fan Unit)" EMCEN55032:2015&LVDIEC 62368-1 :2018

CONNECTION COMPONENTS (screw, nut, washer etc.)" TS EN ISO 7045; TS EN ISO 4032; RoHS IEC 62321 “

CASTERSET "TS EN 12532 , TS EN 12533 , RoHS IEC 62321:2008”

LOCKS SYSTEMS "DIN-EN ISO 1043-1 PA6 GFR 30; DIN-EN 1774-ZnAl4Cu1.

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TECHNICAL SPECIFICATIONS

1.Dimensions must omplywithIEC60297standards.Cabinetmustbeheight(42U-47U)
Width:800mm
Depth :1200mm

Mainframe and profile structures: must be manufactured and tested to provide axial (x, y,z) resistance that **meets EN61587-1 / 5.2.1** and **5.2.2,** and external impact resistance that meets **EN61587-1/5.3.3.**Dynamic load, vibration and mechanical impact **(IEC60068-2-6,IEC60068-2 27)** test results must be certified by accredited laboratories. Main profile structure must be a structure that would in crease mechanical resistance with a esthetic appearance, folded with an angle of 90 degree and must consist of 4 bending. 2 front and rear frames must be with welded and framed mono block structure.
6 pcs Lateral extension parts must have a structure that would increase resistance and strength of cabinet between front and rear mono block frames.

Bottom plate: According to the cabinet types, there must be at least the following amounts and dimensions of cable transits. 800mm wide cabinets should also have 6qty. 150x300mm brushed cable entries and 1 qty. 134 x 300 sliding cable entry. It should be supported with a floor fixing kit that provides connection to the ground. Floor fixing kit should be painted with the same color as the 2mm-thick cabinet, and should fully overlap with the raised floor.

Top plate: The top plate should be designed with different cable entries and closures according to the need. Alternatively, the brushed cable entry should be complete with sliding cable entry. In 800 mm wide cabinets, there should be 2 brushed cable entries of 50x300mm and 4 cable entries of 50x300mm with sliding cable entries. (In case of needs, roof panel must be compatible with 2 way & 4 way & 6 way Fan units and)

Rear door: must be flat split type perforated (two wings) structure that allows High-flow performance for optimum front to rear air flow to keep equipment cool and support hot & cold aisle configurations in server room and data centers with it is 3 point locking mechanism.

Side panels: must have a structure easy removable; it must provide ease of usage for users with it is light weight and decided construction, it must provide, easy access to equipments for maintaining, replacing and managing cables, easy cable connection for side by side & must be compatible for in-rowusage in Data center applications. Each side panel must have 1 pcs barrel lock and 2 pcs sliding latch locking mechanism.

Front door: must be curved structure that allows high-flow performance for optimum front to rear airflow to keep equipment cool and support hot & cold aisle configurations in server room and data center with it is 4 point locking mechanism.

Paint: to provide high resistance to impacts, cabinets must be coated by RAL 9005 or RAL 7035 Electrostatic powder coat to meet ISO8130 and ASTM D 523 / 2794 standards and test result reports must be certificated. On flat metal surfaces, there must be 85±5 micron paint thickness and must be tested according to ASTMD2794; DINENISO2811-1; ASTMD1186/D1400 Ral:9005orRal:7035.

19" Mounting Rails: Vertical mounting rails must be adjustable throughout the entire depth of the cabinet and multi folded structure high carrying high capacity with 2mm thickness. Silk-screen mounting rails are providing ability to count U-Marking from top to down& down to up for easy device installation.

Cabinet locks: all locks used in cabinets must have the same coded-key and all covers of cabinets must have a lock able structure.

Fan units: must be with the standards ISO9001:2015, CE (89/336/EEC EMCEN55032:2015LVDIEC62368-1:2018), RoHS", Noise 40/47dB, Air Flow M3/Hr133/162CFM82/95.

Grounding: All metal components in cabinets must be connected to one another electrically and grounding resistance must be maximum 0,1 ohm according to IEC61010-1/6.5.1.3 standard. All proposed products must be tested to meet this standard and their results must be certificated by accredited laboratories.