Net Series Communication and Server Cabinet

Industry Standards

UL 1863 Listed (perforated, split perforated and louvered door models only)

EIA 310-D
IEC 60529, IP20
Perforated door material meets equipment manufacturer ventilation requirements

Application

Net Series Cabinets are an economical solution for contractors, small computer rooms, schools or smaller networks that require a general-purpose cabinet to house servers and communication equipment. Multiple sizes, adjustable rack angles and accessories give Net Series Cabinets wide application flexibility.

Features

- Includes two sets of adjustable L-shaped rack angles for convenient equipment mounting
- Rack angles on communication cabinets have tapped 10-32 holes per EIA standards. Order 10-32 fasteners separately.
- Rack angles on server cabinets have square holes per EIA standards. Order fasteners and cage nuts separately.
- Rack angle settings on all 700- and 800-mm wide cabinets can accommodate either 19- or 23-in. rack spacing

- In 600-mm wide cabinets, equipment mounted on 19-in. rack angles is centered
- In 700- and 800-mm wide cabinets, 19-in. rack angles can be set to center equipment or to mount equipment next to the left or the right side for improved cable management
- Rack angles infinitely positionable within the cabinet for easy adjustment to desired position
- All doors are field removable and reversible with left or right hinging for installation flexibility
- Communication cabinet has fully perforated or window front and louvered rear doors for equipment ventilation
- Server cabinet has fully perforated front and split rear perforated doors for easy access to servers
- Doors have key-locking handles that provide security with convenient access for authorized personnel
- Removable side panels with quarter-turn key-locking latch are inset for flush appearance
- Two cable entry ports with caps and grommets on cabinet top for wiring ease
- Fan-ready top with integral finger guard. Order up to two 6-in. fans separately.
- Caster- and leveler-ready open base design. Order casters and levelers separately.

Specifications

- Some models available with or without sides
- Welded multi-formed steel frame. The top and columns are 16 gauge; base is 14 gauge.
- Multi-formed rigid doors are 14 gauge steel
- Window made of 1/8-in. smoke-tinted acrylic
- Formed solid sides are 14 gauge steel
- Rack angles are 12 gauge steel
- Ground studs provided on doors and covers

Finish

Pretreated steel coated with RAL 9005 black textured low-gloss polyester powder paint. Other finishes available—contact Hoffman Customer Service.

Load Rating

1000 lb. (454 kg) per UL 1863 with load evenly distributed in enclosure
NOTE: UL 1863 requires that the cabinet be tested with a load four times the rating. The cabinet was tested to 4000 lb. (1814 kg) without failure to meet the 1000 lb. (454 kg) rating. Contact Hoffman if other loading specifications are required.

Accessories

See also Accessories.
Net Series Rack Angles
Net Series Caster Kit
Net Series Joining Kit
Net Series Leveler Kit
Net Series Vertical Tie-Down Cable Manager
Bulletin: DC

Pentair
Technical Products

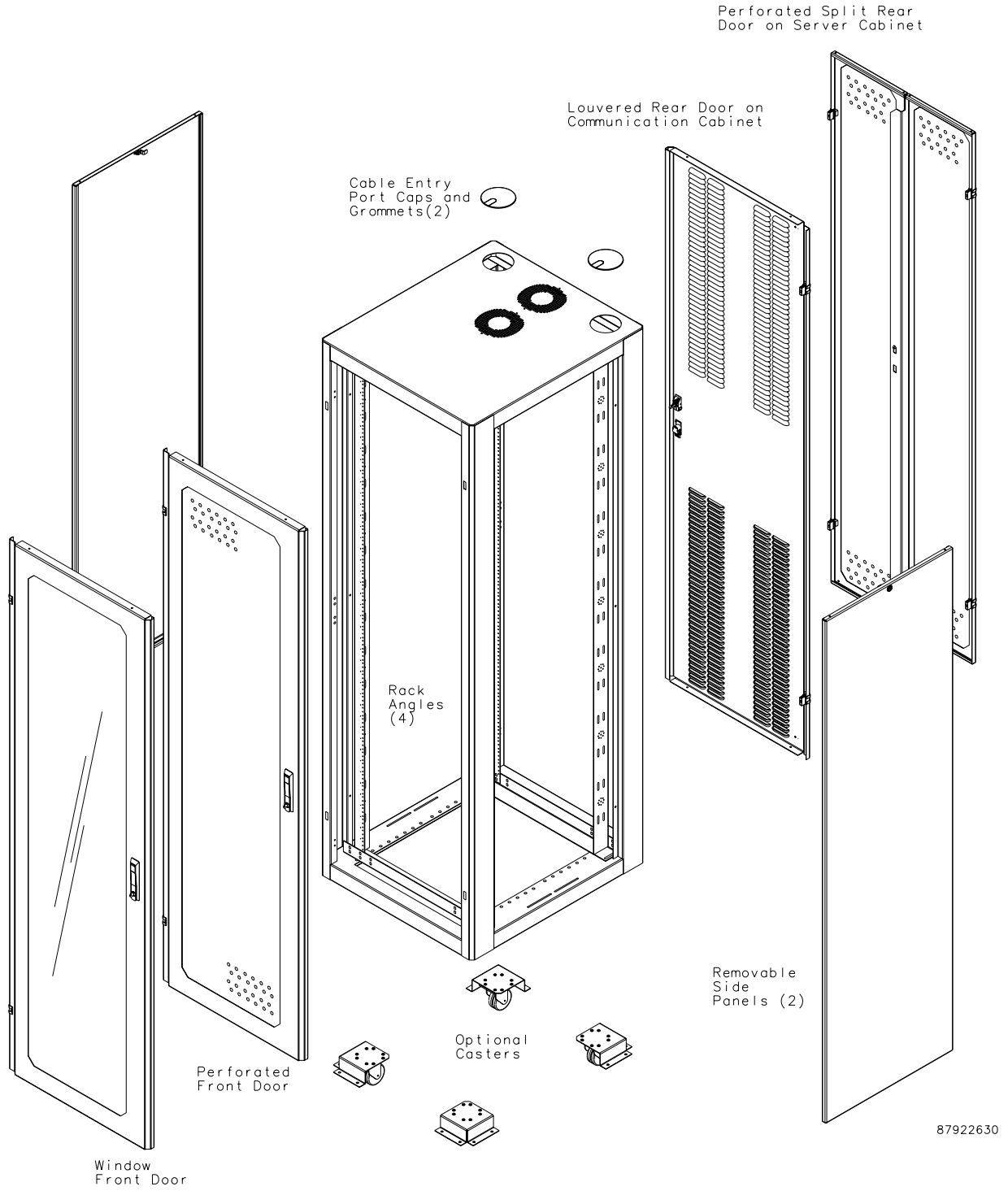# Net Series Communication and Server Cabinets and Accessories

Standard Product

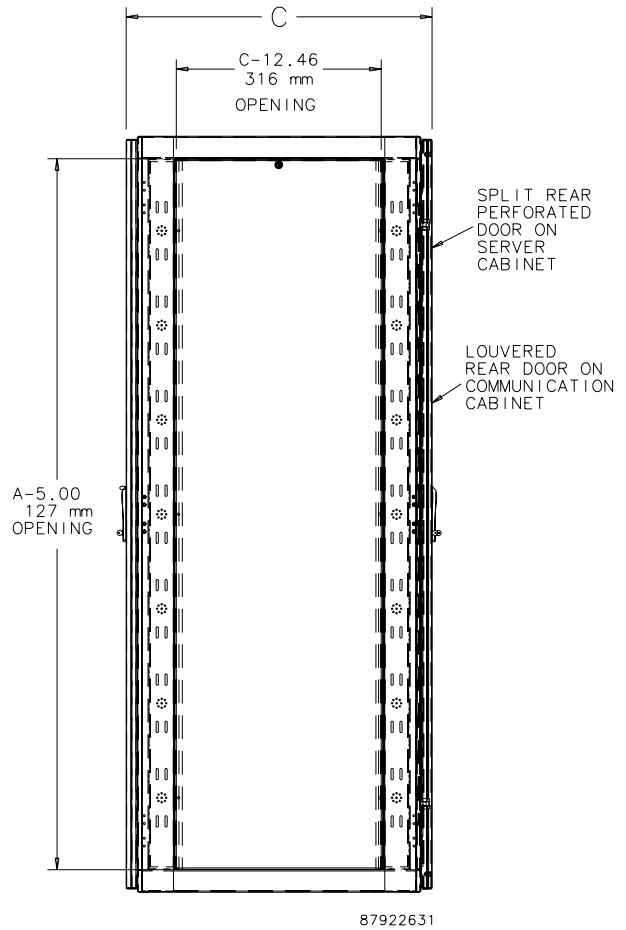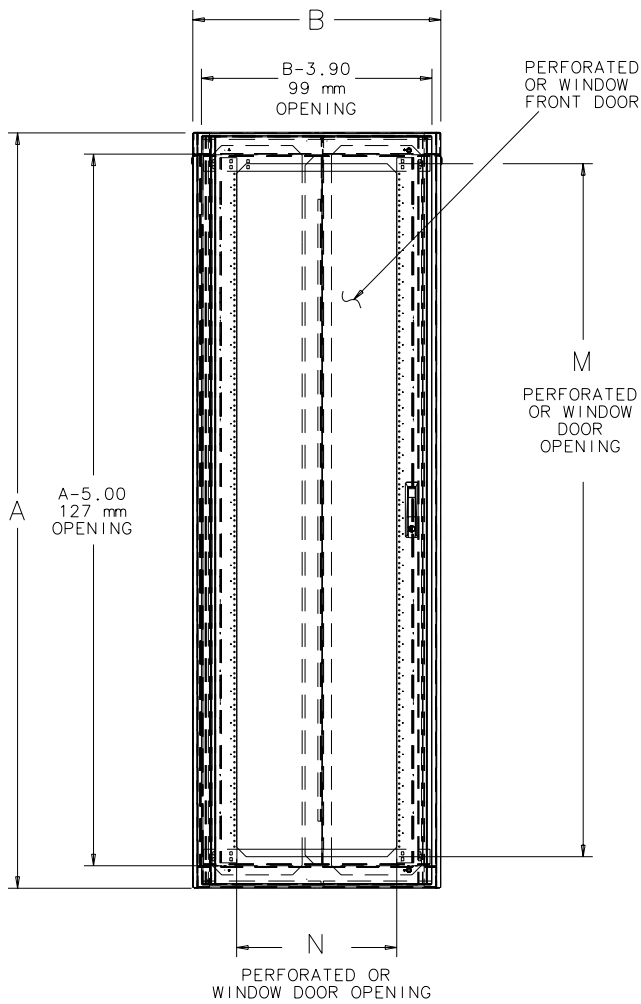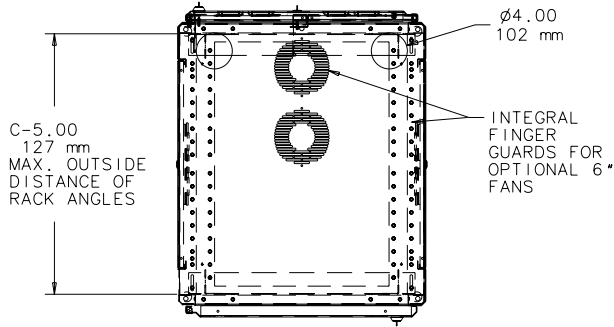| Catalog Number	AxBxC in./mm	Description	Rack Units	M in./mm	N in./mm	Rack Angle Holes	Additional Rack Angles
NC1268	49.00 x 23.62 x 33.99 1245 x 600 x 863	Communication Cabinet	23	42.00 1067	14.71 374	Tapped 10-32	NRAT126
NC2178	84.00 x 27.56 x 33.99 2134 x 700 x 863	Communication Cabinet	43	77.00 1956	18.65 474	Tapped 10-32	NRAT217
NC2178NS	84.00 x 27.56 x 33.98 2134 x 700 x 863	Communication Cabinet No Sides	43	77.00 1956	18.65 474	Tapped 10-32	NRAT217
NC2179	84.00 x 27.56 x 37.93 2134 x 700 x 963	Communication Cabinet	43	77.00 1956	18.65 474	Tapped 10-32	NRAT217
NC21710	84.00 x 27.56 x 41.86 2134 x 700 x 1063	Communication Cabinet	43	77.00 1956	18.65 474	Tapped 10-32	NRAT217
NC2188	84.00 x 31.50 x 33.99 2134 x 800 x 863	Communication Cabinet	43	77.00 1956	22.58 574	Tapped 10-32	NRAT218
NC2189	84.00 x 31.50 x 37.93 2134 x 800 x 963	Communication Cabinet	43	77.00 1956	22.58 574	Tapped 10-32	NRAT218
NC21810	84.00 x 31.50 x 41.86 2134 x 800 x 1063	Communication Cabinet	43	77.00 1956	22.58 574	Tapped 10-32	NRAT218
NCW2168	84.00 x 23.62 x 33.99 2134 x 600 x 863	Communication Cabinet, Window Door	43	77.00 1956	14.71 374	Tapped 10-32	NRAT216
NCW2168NS	84.00 x 23.62 x 33.98 2134 x 600 x 863	Communication Cabinet, Window Door No Sides	43	77.00 1956	14.71 374	Tapped 10-32	NRAT216
NCW2178	84.00 x 27.56 x 33.99 2134 x 700 x 863	Communication Cabinet, Window Door	43	77.00 1956	18.65 474	Tapped 10-32	NRAT217
NCW2178NS	84.00 x 27.56 x 33.98 2134 x 700 x 863	Communication Cabinet, Window Door No Sides	43	77.00 1956	18.65 474	Tapped 10-32	NRAT217
NCW2188	84.00 x 31.50 x 33.99 2134 x 800 x 863	Communication Cabinet, Window Door	43	77.00 1956	22.58 574	Tapped 10-32	NRAT218
NS12610	49.00 x 23.62 x 41.86 1245 x 600 x 1063	Server Cabinet	23	42.00 1067	14.71 374	Square	NRAS126
NS2169	84.00 x 23.62 x 37.93 2134 x 600 x 963	Server Cabinet	43	77.00 1956	14.71 374	Square	NRAS216
NS2169NS	84.00 x 23.62 x 37.91 2134 x 600 x 963	Server Cabinet No Sides	43	77.00 1956	14.71 374	Square	NRAS216
NS21610	84.00 x 23.62 x 41.86 2134 x 600 x 1063	Server Cabinet	43	77.00 1956	14.71 374	Square	NRAS216
NS21610NS	84.00 x 23.62 x 41.85 2134 x 600 x 1063	Server Cabinet No Sides	43	77.00 1956	14.71 374	Square	NRAS216
NS21611	84.00 x 23.62 x 45.80 2134 x 600 x 1163	Server Cabinet	43	77.00 1956	14.71 374	Square	NRAS216
NS21612	84.00 x 23.62 x 49.74 2134 x 600 x 1263	Server Cabinet	43	77.00 1956	14.71 374	Square	NRAS216
NS21711	84.00 x 27.56 x 45.80 2134 x 700 x 1163	Server Cabinet	43	77.00 1956	18.65 474	Square	NRAS217
NS21811	84.00 x 31.50 x 45.80 2134 x 800 x 1163	Server Cabinet	43	77.00 1956	22.58 574	Square	NRAS218

Tapped and square hole rack angles of the same size can be used interchangeably in communication and server cabinets. See rack angle table for available rack angles.

Catalog numbers with "NS" at the end have no sides.

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Net Series Communication and Server Cabinets and Accessories

Perforated Split Rear
Door on Server Cabinet

Louvered Rear Door on
Communication Cabinet

Cable Entry
Port Caps and
Grommets(2)

Rack
Angles
(4)

Removable
Side
Panels (2)

Optional
Casters

Perforated
Front Door

Window
Front Door

87922630

Net Series Communication and Server Cabinets and Accessories

ø4.00
102 mm

C-5.00
127 mm
MAX. OUTSIDE
DISTANCE OF
RACK ANGLES

INTEGRAL
FINGER
GUARDS FOR
OPTIONAL 6"
FANS

B

B-3.90
99 mm
OPENING

PERFORATED
OR WINDOW
FRONT DOOR

C

C-12.46
316 mm
OPENING

SPLIT REAR
PERFORATED
DOOR ON
SERVER
CABINET

LOUVERED
REAR DOOR ON
COMMUNICATION
CABINET

M

PERFORATED
OR WINDOW
DOOR
OPENING

A

A-5.00
127 mm
OPENING

A-5.00
127 mm
OPENING

N

PERFORATED OR
WINDOW DOOR OPENING

87922631

Net Series Communication and Server Cabinets and Accessories

Net Series Rack Angles

Rack angles are available with either 10-32 tapped or square mounting holes. Communication and server cabinets can use either tapped-hole or square-hole rack angles. Finish is RAL 9005 black, low-gloss smooth polyester powder paint. Shipped in sets of two with two mounting brackets and mounting hardware.

Bulletin: DCY

| Catalog Number	Length in./mm	Hole Type	Use with Net Series Cabinet H x W
NRAT126	40.37 1025	Tapped	1245 x 600
NRAT216	78.87 2003	Tapped	2134 x 600
NRAT217	78.87 2003	Tapped	2134 x 700
NRAT218	78.87 2003	Tapped	2134 x 800
NRAS126	40.37 1025	Square	1245 x 600
NRAS216	78.87 2003	Square	2134 x 600
NRAS217	78.87 2003	Square	2134 x 700
NRAS218	78.87 2003	Square	2134 x 800

Net Series Caster Kit

These recessed ball-bearing casters allow Net Series Cabinet repositioning with a minimal effort. Casters add 2 in. to height of cabinet. Kit includes four casters, recessed brackets and mounting hardware.

Bulletin: DCY

Catalog Number	Description
NCK	Set of four casters, recessed brackets and mounting hardware
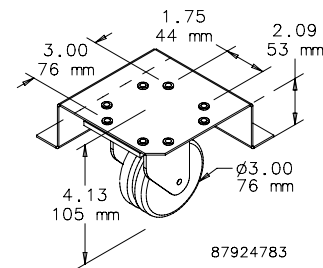
Net Series Joining Kit

The joining kit enables joining Net Series Cabinets without sides to form a single bank of cabinets. Each kit joins two cabinets.

Bulletin: DCY

| Catalog Number	Description
NJK	Net Series Joining Kit

Net Series Leveler Kit

Leveler Kits allow adjustment of Net Series Cabinets for uneven floors. Can be used with casters to stabilize final installation.

Bulletin: DCY

Catalog Number	Description
NLK	Set of four levelers

## Net Series Communication and Server Cabinets and Accessories

Tool-less (Snap-in) Blanking Panels for 19-in. Racks
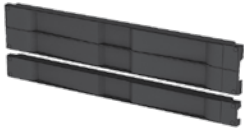
These Tool-less 19-in. Blanking Panels provide easy tool-less installation and ensure proper airflow to equipment. Made of black composite material and can be used with tapped or square EIA universal spaced rack mounting angles.

Bulletin: DACCY

Catalog Number	Description	Rack Units	Fits	Pkg. Qty.
D19BPT1RU	Blanking Panel, 19 in.	1	19 in., universal rack spacing, tapped or square holes	10
D19BPT2RU	Blanking Panel, 19 in.	2	19 in., universal rack spacing, tapped or square holes	10
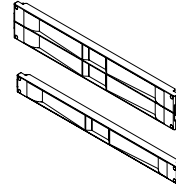
87928709

Net Series Vertical Tie Down Cable Manager

Hold larger cable bundles securely. VELCRO™ Cable Wraps provide convenient cable fastening and easy access to individual cables. One piece design. Holes provided for addition of cable transitions, spools, or D-Rings (order separately). Made of steel coated with RAL 9005 black polyester powder paint. Includes mounting hardware.

VELCRO is a trademark of Velcro Industries B.V.

Bulletin: DCY

Catalog Number	A in./mm	Fits Cabinet Height
NVCMTD12	40.37 1025	1245
NVCMTD21	78.87 2003	2134

2.97 75 mm

1.00 25 mm

A

87798903

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Net Series Communication and Server Cabinets and Accessories
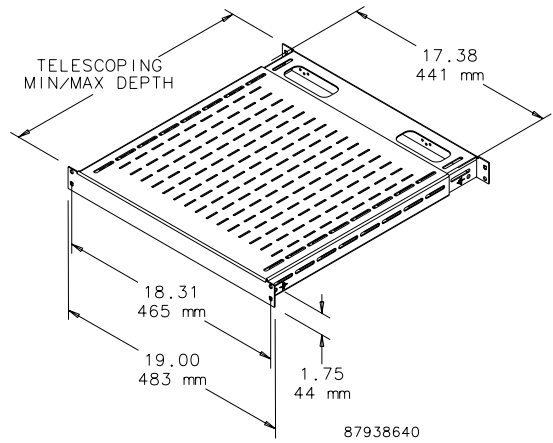
Tool-less Shelf

An easy-to-install tool-less vented 19-in. shelf. Mounts onto rack angles that have EIA-spaced square holes (.375 in.). Shelf slides open and provides a variable-sized, continuous surface for equipment. Back of shelf has oval cutouts for power and data cables. Accessory hole patterns at back of shelf fit small and large D-rings to help manage cable. Made of steel with a 150 lb. (68 kg) static load rating. Available with RAL 9005 black or RAL 7035 gray polyester powder coat finish.

Bulletin: DACCY

Catalog Number	Description	Finish	Minimum Depth mm/in.	Maximum Depth mm/in.
D19FVT69B	Shelf, vented, 19 in. tool-less	Black	495 19.50	851 33.50
D19FVT69G	Shelf, vented, 19 in. tool-less	Gray	495 19.50	851 33.50
D19FVT912B	Shelf, vented, 19 in. tool-less	Black	792 31.20	1151 45.30
D19FVT912G	Shelf, vented, 19 in. tool-less	Gray	792 31.20	1151 45.30

Minimum and maximum depth measured from rack angle to rack angle.

TELESCOPING MIN/MAX DEPTH

17.38
441 mm

18.31
465 mm

19.00
483 mm

1.75
44 mm

87938640