

## Environmental Wall-Mount Cabinet, Type 12, IP56 (350 lb) *NWC Series*

Sealed wall-mount cabinet combining UL2416 load rating, UL Type 12 protection, IP56 testing, and climate control options for industrial and IT environments.



### Key Features and Benefits

- 14-gauge welded steel construction UL2416 Type 12 rated to 350 lb (158 kg), seismic rated to 200 lb (90.72 kg) supports network and industrial equipment in demanding environments.
- Double-hinged cabinet design (19" rack compatible) provides dual access to equipment for installation, servicing, and maintenance.
- Sealed enclosure with gasketed doors protects equipment from dust, dirt, and dripping liquids in industrial environments.
- Two (2) pairs of adjustable 10-32 threaded mounting rails (EIA compliant) support flexible equipment positioning and standard rack compatibility. Includes starter hardware pack with **SCREW1032-50** screws for equipment installation.
- Available in three configurations to match application requirements:
  - "N" Version comes without climate control or cutouts.
  - "F" Version includes rear and door filters that maintain UL Type 12 ratings and are compatible with fan kits.
  - "A" Version includes a factory-supplied 900–1300 BTU **DTS3021A115LG** air conditioner (shipped inside the cabinet) with cord.
- Dedicated bonding and grounding points support proper electrical installation and bonding of all cabinet components.
- External mounting feet and rear pan design support secure wall installation and cable entry.

### Compliance and Certifications

- **UL2416** Type 12 rated enclosure (350 lb load rating) combines structural load rating with environmental protection in a single cabinet.
- Independently tested to IEC 60529, IP56 provides protection against dust ingress and powerful water jets.
- Seismic rated to 200 lb (90.72 kg) dynamic load ( $I_p = 1.5$ ) in accordance with IBC 2018, CBC 2019, NBC 2018, ASCE 7-16, and ASCE 7-10.
- Meets PCI DSS (Payment Card Industry Data Security Standard) compliance requirements.
- TAA-compliant, manufactured in North America supports government procurement requirements and ensures consistent quality.
- Black or light gray powder coat finish (GREENGUARD Gold, TSCA, RoHS compliant) supports indoor air quality and environmental compliance.

The NWC Series environmental wall-mount cabinet uniquely combines UL2416 load rating and UL Type 12 environmental protection in a single enclosure. Independently tested to IP56 and designed for seismic-rated installations, it provides a sealed solution for network and industrial equipment in demanding environments.

Available in three configurations, including sealed (N), filtered (F), and air-conditioned (A) options, the NWC supports a wide range of applications requiring environmental protection,



airflow management, or active cooling. Ideal for industrial, edge computing, and IDF deployments where reliability is critical.

### When another product may be a better choice

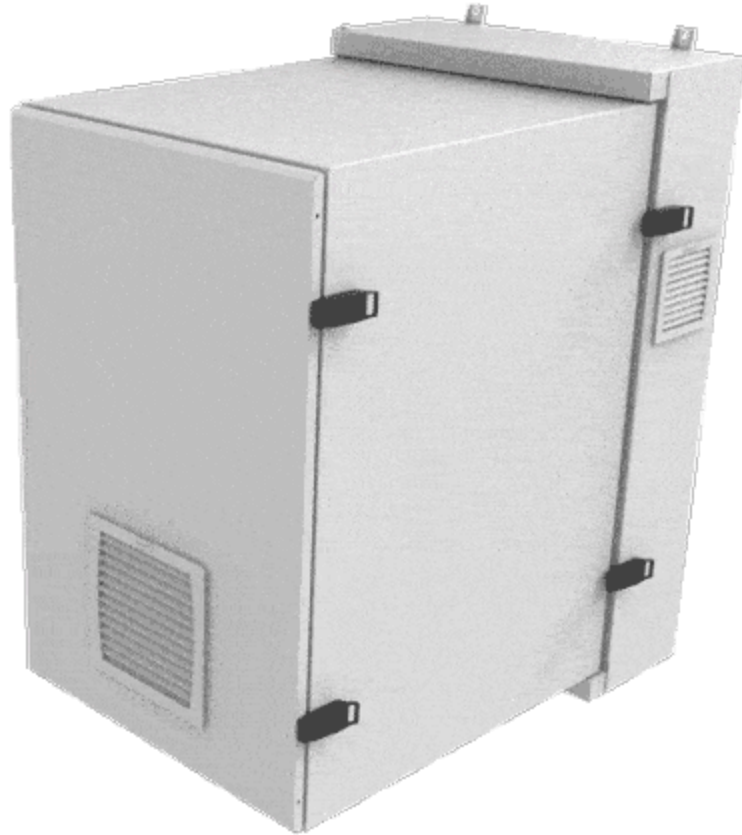
- When you need an indoor wall-mount cabinet with light dust resistance but do not require a Type 12 rating, consider our **HWC** Series with the **HWCF** filter kit installed. This provides a significantly lower-cost alternative.
- When you need an outdoor-rated cabinet with enhanced environmental protection, consider our **NWM** Series.
- When you need a free-standing cabinet for floor-mounted installations, consider our **HDME** Series.

### Gallery



## Accessories

- Wall Rack Padlock Adapter
- Sliding Rack Shelf Steel 19 Inch (Up to 200 lb Capacity)
- Bonding and Grounding
- Rack Mounting Screws with Pilot Point
- Latch Replacement Kits
- 100-400 W Control Panel Heater
- Universal Rack Shelf Fixed Steel (Up to 200 lb Capacity)
- Rack Unit Label Kit Adhesive Rack Rail Numbering Labels
- Liquid-Tight Cordgrips (Nylon)
- Power Distribution Units (PDUs)
- Rack Cabinet Cooling Fan Kits



### "F" = Type 12 Filters Included

| RAL 7035 Light Gray |                      | RAL 9005 Black      |                      | Overall Dimensions |       |       | Rack Units | Mounting (Usable) Dimensions |       |
|---------------------|----------------------|---------------------|----------------------|--------------------|-------|-------|------------|------------------------------|-------|
| Solid Door Part No. | Window Door Part No. | Solid Door Part No. | Window Door Part No. | Height             | Width | Depth |            | Height                       | Depth |
| NWC12U2436SFL<br>G  | NWC12U2436WF<br>LG   | NWC12U2436SFB<br>K  | NWC12U2436WF<br>BK   | 31.77              | 24.50 | 36.22 | 12U        | 22.00                        | 30.00 |
| NWC18U2436SFL<br>G  | NWC18U2436WF<br>LG   | NWC18U2436SFB<br>K  | NWC18U2436WF<br>BK   | 42.27              | 24.50 | 36.22 | 18U        | 32.00                        | 30.00 |
| NWC27U2436SFL<br>G  | NWC27U2436WF<br>LG   | NWC27U2436SFB<br>K  | NWC27U2436WF<br>BK   | 58.02              | 24.50 | 36.22 | 27U        | 48.00                        | 30.00 |

### "A" = Air Conditioner Included

| RAL 7035 Light Gray |                      | RAL 9005 Black      |                      | Overall Dimensions |       |       | Rack Units | Mounting (Usable) Dimensions |       |
|---------------------|----------------------|---------------------|----------------------|--------------------|-------|-------|------------|------------------------------|-------|
| Solid Door Part No. | Window Door Part No. | Solid Door Part No. | Window Door Part No. | Height             | Width | Depth |            | Height                       | Depth |
| NWC12U2436SA<br>LG  | NWC12U2436WA<br>LG   | NWC12U2436SA<br>BK  | NWC12U2436WA<br>BK   | 31.77              | 24.50 | 36.22 | 12U        | 22.00                        | 30.00 |

| RAL 7035 Light Gray |                    | RAL 9005 Black     |                    | Overall Dimensions |       |       | Mounting (Usable) |        |       |
|---------------------|--------------------|--------------------|--------------------|--------------------|-------|-------|-------------------|--------|-------|
| Solid Door          | Window Door        | Solid Door         | Window Door        |                    |       |       | Dimensions        |        |       |
| Part No.            | Part No.           | Part No.           | Part No.           | Height             | Width | Depth | Rack Units        | Height | Depth |
| NWC18U2436SA<br>LG  | NWC18U2436WA<br>LG | NWC18U2436SA<br>BK | NWC18U2436WA<br>BK | 42.27              | 24.50 | 36.22 | 18U               | 32.00  | 30.00 |
| NWC27U2436SA<br>LG  | NWC27U2436WA<br>LG | NWC27U2436SA<br>BK | NWC27U2436WA<br>BK | 58.02              | 24.50 | 36.22 | 27U               | 48.00  | 30.00 |

### "N" = No Climate Control Included

| RAL 7035 Light Gray |                    | RAL 9005 Black     |                    | Overall Dimensions |       |       | Mounting (Usable) |        |       |
|---------------------|--------------------|--------------------|--------------------|--------------------|-------|-------|-------------------|--------|-------|
| Solid Door          | Window Door        | Solid Door         | Window Door        |                    |       |       | Dimensions        |        |       |
| Part No.            | Part No.           | Part No.           | Part No.           | Height             | Width | Depth | Rack Units        | Height | Depth |
| NWC12U2436SN<br>LG  | NWC12U2436WN<br>LG | NWC12U2436SN<br>BK | NWC12U2436WN<br>BK | 31.77              | 24.50 | 36.22 | 12U               | 22.00  | 30.00 |
| NWC18U2436SN<br>LG  | NWC18U2436WN<br>LG | NWC18U2436SN<br>BK | NWC18U2436WN<br>BK | 42.27              | 24.50 | 36.22 | 18U               | 32.00  | 30.00 |
| NWC27U2436SN<br>LG  | NWC27U2436WN<br>LG | NWC27U2436SN<br>BK | NWC27U2436WN<br>BK | 58.02              | 24.50 | 36.22 | 27U               | 48.00  | 30.00 |

No cutouts of any kind included. This is a solid enclosure.

### Fan Options for "F" Versions

| Part No.    | Airflow Direction | Thermostat | VAC | Fan Size | Unimpeded CFM | Noise (dB) | Plug Type  | Cord Length |
|-------------|-------------------|------------|-----|----------|---------------|------------|------------|-------------|
| DNFK1AC120  | Intake or Exhaust | No         | 115 | 4.70     | 105           | 56         | NEMA 5-15P | 72.00       |
| DTFK1AC120E | Exhaust Fan       | Yes        | 115 | 4.70     | 105           | 56         | NEMA 5-15P | 72.00       |
| DTFK1AC150  | Intake Fan        | Yes        | 115 | 6.00     | 230           | 70         | NEMA 5-15P | 72.00       |

### Optional Inner Panel

| Part No.            | Part No.            | Cabinet    | Overall Dimensions |       |       |
|---------------------|---------------------|------------|--------------------|-------|-------|
| Steel RAL9003 White | Aluminum Unfinished | Rack Units | Height             | Width | Depth |
| WRPS12UWH           | WRPS12UNF           | 12U        | 16.63              | 16.19 | 0.50  |
| WRPS18UWH           | WRPS18UNF           | 18U        | 27.13              | 16.19 | 0.50  |
| WRPS27UWH           | WRPS27UNF           | 27U        | 42.88              | 16.19 | 0.50  |

### Where the NWC series works best

- Industrial environments with dust, dirt, or water exposure.
- Facilities requiring sealed and climate-controlled network enclosures.
- Critical infrastructure requiring UL2416 and environmental protection.
- Manufacturing, automation, and processing environments.
- Edge computing and IDF deployments in harsh environments.

Tags: **ClimateCab**, **Intermediate Distribution Frame (IDF)**

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### Applications and when to use the NWC series

- Installations requiring UL2416 load-rated cabinets with UL Type 12 environmental protection.
- Applications needing sealed enclosures with IP56-tested protection.
- Environments requiring filtered airflow or active cooling options (N, F, A configurations).
- Deployments requiring seismic-rated enclosures for regulated environments.
- Installations where equipment reliability depends on environmental isolation and protection.

*Data subject to change without notice.*