

Environ ER800 24U Rack 800x1000 mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black

Item Code: 542-24810-WDBF-BK



- Choice of doors/depths/colours available
- 19" profiles marked with U height position
- Large cut out in base for cable entry
- Brush strip cable entry in roof and base of rack
- IP20 when fitted with base plate
- Racks supplied assembled or flat packed
- CIBSE TM65 Embodied Carbon: 439.379 kg CO2e

Product Overview

Environ ER800 Equipment Racks are a versatile range of 800 mm wide racks with features suitable for a wide range of applications within the data, security, audio visual and telecommunications markets.

Product Specifications

| Feature                   | Values         |
|---------------------------|----------------|
| Mounting Profile          | Front and rear |
| Type of profile rail      | L-shaped       |
| Number of doors           | 2              |
| Type of ventilation       | Passive        |
| Width                     | 800 mm         |
| Height                    | 1270 mm        |
| Depth                     | 1000 mm        |
| Modular spacing           | 19 inch        |
| Number of rack units (RU) | 24             |

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|                                |                |
|--------------------------------|----------------|
| Max. load capacity             | 800 kg         |
| With roof plate                | yes            |
| With earthing                  | yes            |
| With front door                | yes            |
| Front door material            | Steel          |
| Front door locking system      | One point      |
| With rear door                 | yes            |
| Rear door material             | Steel          |
| Rear door locking system       | One point      |
| Side panels included           | yes            |
| With vertical cable management | yes            |
| Material                       | Steel          |
| Type of surface                | Powder coated  |
| Colour                         | Black          |
| RAL-number                     | 9004           |
| Flat-packed                    | no             |
| IP-rating                      | IP20           |
| Application                    | Equipment Rack |

## Additional specifications

| Specifications                 | Values                   |
|--------------------------------|--------------------------|
| Material                       | SPCC Cold Rolled Steel   |
| 19" Rails                      | 2.0 mm thick             |
| Side Panels                    | 1.0 mm thick             |
| Other                          | 1.2 mm thick             |
| Front door                     | Handle cam lock          |
| Rear door                      | Handle cam lock          |
| Side panels lock               | Single point barrel lock |
| Jacking feet additional height | 50-80 mm                 |
| Castors additional height      | 70 mm                    |

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## Standards

| Standard                                   | Detail  |
|--|---|
| ANSI/EIA-310-E                             | Electronic Industries Association standard for horizontal spacing, vertical hole spacing, rack opening and front panel width  |
| BS EN 60297-3-100:2009                     | Mechanical structures for electronic equipment. Dimensions of mechanical structures of the 482,6 mm (19 in) series. Basic dimensions of front panels, subracks, chassis, racks and cabinets |
| DIN 41494 Part 1 & 7                       | Panel Mounting Racks For Electronics Equipments; Racks And Panels, Dimensions; Dimensions of cabinets and suites of racks   |
| RoHS-II/-III (2011/65/EU & 2015/863): 2023 | Our products, demonstrate full adherence to the regulatory stipulations of the EU Directive 2011/65/EU (RoHS-II) and its corresponding delegated directive 2015/863 (RoHS-III).             |
| WFD: 2023                                  | Compliant to Waste Framework Directive  |
| SCIP: 2023                                 | Compliant - Does Not Contain Substances of Concern In articles as such or in complex objects (Products)   |
| POPs (EU) No 2019/1021                     | EU Regulation for the restriction of Persistent Organic Pollutants.   |

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Product images



Four-way brush entry roof panel



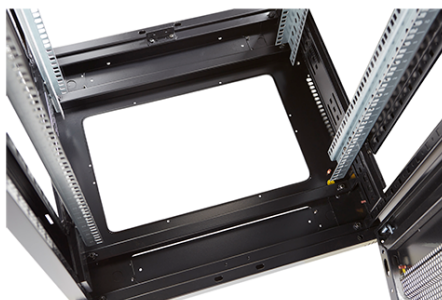
Quick-slam latch side panels



Swing handle wave vented front door



Wardrobe vented rear doors



Large base entry



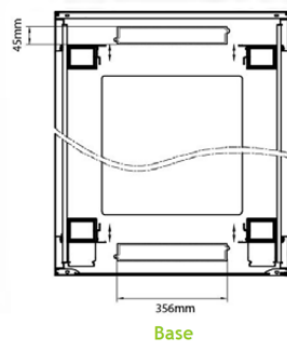
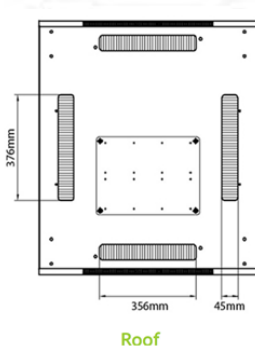
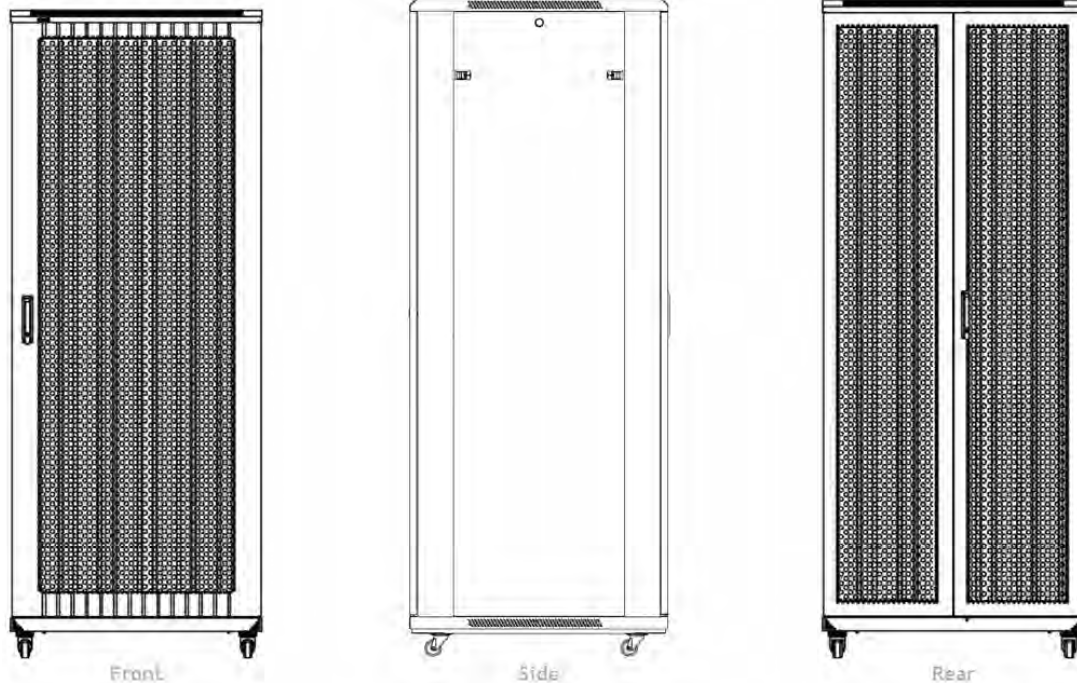
High-density vertical cable management

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**excel**  
without compromise.

**Product drawings**



**Base Cut Out Dimensions**

580 mm Wide  
by  
276 mm Deep (600 mm deep rack)  
476mm Deep (800 mm deep rack)  
676 mm Deep (1000 mm deep rack)

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## Part Number Table

| Part Number          | Description   |
|----------------------|---|
| 542-24810-WDBF-BK    | Environ ER800 24U Rack 800x1000 mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black                |
| 542-2488-WDBF-BK     | Environ ER800 24U Rack 800x800 mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black                 |
| 542-29810-WDBF-BK    | Environ ER800 29U Rack 800x1000mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black                 |
| 542-29810-WDBF-BK-FP | Environ ER800 29U Rack 800x1000mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black Flat Pack       |
| 542-29810-WDBF-GW    | Environ ER800 29U Rack 800x1000mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Grey White            |
| 542-29810-WDBF-GW-FP | Environ ER800 29U Rack 800x1000mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Grey White Flat Pack  |
| 542-2986-WDBF-BK     | Environ ER800 29U Rack 800x600mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black                  |
| 542-2986-WDBF-BK-FP  | Environ ER800 29U Rack 800x600mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black Flat Pack        |
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| 542-2986-WDBF-GW-FP  | Environ ER800 29U Rack 800x600mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Grey White Flat Pack   |
| 542-2988-WDBF-BK     | Environ ER800 29U Rack 800x800mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black                  |
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| 542-2988-WDBF-GW-FP  | Environ ER800 29U Rack 800x800mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Grey White Flat Pack   |
| 542-33810-WDBF-BK    | Environ ER800 33U Rack 800x1000 mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black                |
| 542-3388-WDBF-BK     | Environ ER800 33U Rack 800x800 mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black                 |
| 542-42810-WDBF-BK    | Environ ER800 42U Rack 800x1000mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black                 |
| 542-42810-WDBF-BK-FP | Excel Environ ER800 42U Rack 800x1000mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black Flat Pack |
| 542-42810-WDBF-GW    | Environ ER800 42U Rack 800x1000mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Grey White            |



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|                      |  |
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| 542-42810-WDBF-GW-FP | Environ ER800 42U Rack 800x1000mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Grey White Flat Pack |
| 542-4286-WDBF-BK     | Environ ER800 42U Rack 800x600mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black                 |
| 542-4286-WDBF-BK-FP  | Environ ER800 42U Rack 800x600mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black Flat Pack       |
| 542-4286-WDBF-GW     | Environ ER800 42U Rack 800x600mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Grey White            |
| 542-4286-WDBF-GW-FP  | Environ ER800 42U Rack 800x600mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Grey White Flat Pack  |
| 542-4288-WDBF-BK     | Environ ER800 42U Rack 800x800mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black                 |
| 542-4288-WDBF-BK-FP  | Environ ER800 42U Rack 800x800mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black Flat Pack       |
| 542-4288-WDBF-GW     | Environ ER800 42U Rack 800x800mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Grey White            |
| 542-4288-WDBF-GW-FP  | Environ ER800 42U Rack 800x800mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Grey White Flat Pack  |
| 542-47810-WDBF-BK    | Environ ER800 47U Rack 800x1000mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black                |
| 542-47810-WDBF-BK-FP | Environ ER800 47U Rack 800x1000mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black Flat Pack      |
| 542-47810-WDBF-GW    | Environ ER800 47U Rack 800x1000mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Grey White           |
| 542-47810-WDBF-GW-FP | Environ ER800 47U Rack 800x1000mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Grey White Flat Pack |
| 542-4786-WDBF-BK     | Environ ER800 47U Rack 800x600mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black                 |
| 542-4786-WDBF-BK-FP  | Environ ER800 47U Rack 800x600mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black Flat Pack       |
| 542-4786-WDBF-GW     | Environ ER800 47U Rack 800x600mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Grey White            |
| 542-4786-WDBF-GW-FP  | Environ ER800 47U Rack 800x600mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Grey White Flat Pack  |
| 542-4788-WDBF-BK     | Environ ER800 47U Rack 800x800mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black                 |
| 542-4788-WDBF-BK-FP  | Environ ER800 47U Rack 800x800mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black Flat Pack       |
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542-4788-WDBF-GW-FP

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F/Mgmt Grey White Flat Pack

Excel is a world class premium performing end to end infrastructure solution designed,  
Manufactured, supported and delivered without compromise.

Contact us at [sales@excel-networking.com](mailto:sales@excel-networking.com)



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