

# Environ ER800 47U Rack 800x800mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Black

Part Code: 542-4788-WDBF-BK

sales@excel-networking.com  
excel-networking.com



## Main Features

- / Choice of doors, depths and colours available
- / Large cut out in base for cable entry
- / 70% ventilation on all doors
- / 19" profiles marked with U height position
- / Brush strip cable entry in roof and base of rack
- / Racks supplied assembled or flat-packed

## 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 |
|---------|--------|
|---------|--------|

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|                                |                |
|--------------------------------|----------------|
| Mounting Profile               | Front and rear |
| Type of profile rail           | L-shaped       |
| Number of doors                | 2              |
| Type of ventilation            | Passive        |
| Width                          | 800 mm         |
| Height                         | 2207 mm        |
| Depth                          | 800 mm         |
| Modular spacing                | 19 inch        |
| Number of rack units (RU)      | 47             |
| 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       | Two-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             |

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|             |                |
|-------------|----------------|
| 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                    |

## 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 |

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|                                    |                                                                                                                                                                                                                                                                          |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DIN 41494 Part 1 & 7               | Panel Mounting Racks For Electronics Equipments; Racks And Panels, Dimensions; Dimensions of cabinets and suites of racks                                                                                                                                                |
| Directive 2011/65/EU (RoHS II)     | Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment — compliant. Applies within EU member states).                                                                                                                             |
| Directive (EU) 2015/863 (RoHS III) | Amending Directive 2011/65/EU to add four phthalates (DEHP, BBP, DBP, DIBP) to Annex II — compliant.                                                                                                                                                                     |
| Directive 2008/98/EC (WFD)         | Waste Framework Directive — compliant. Implemented in the UK through the Waste (England and Wales) Regulations 2011 (SI 2011 No. 988).                                                                                                                                   |
| ECHA SCIP Database                 | Compliant; product does not contain SVHCs (Substances of Very High Concern) as defined under REACH Article 33(1). Submission obligations met under EU REACH and UK REACH.                                                                                                |
| Regulation (EU) 2019/1021 (POPs)   | EU Regulation on Persistent Organic Pollutants — compliant. For Great Britain, compliance is aligned with the Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020 (SI 2020 No. 1355).                                                                   |
| UK SI 2012 No. 3032                | The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (UK RoHS) — compliant for Great Britain. Retained EU law, as amended by the Product Safety and Metrology (Amendment etc.) (EU Exit) Regulations 2019. |

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Product images



Four-way brush entry roof panel



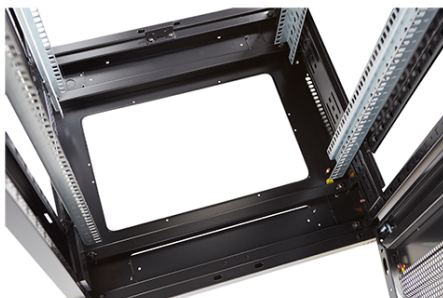
Quick-slam latch side panels



Swing handle wave vented front door



Wardrobe vented rear doors



Large base entry



High-density vertical cable management

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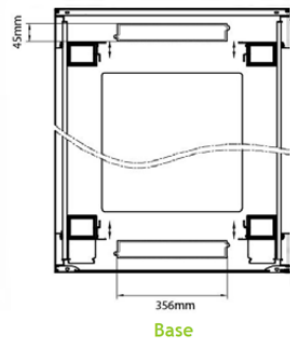
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Product drawings



Roof



Base

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 Code Table

| Part Code            | 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       |
| 542-2986-WDBF-GW     | Environ ER800 29U Rack 800x600mm W/Vented (F) D/Vented (R) B/Panels F/Mgmt Grey White            |
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| 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            |
| 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                              |

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## F/Mgmt Grey White

|                      |                                                                                                  |
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| 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       |
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