

D-Center Rack Datasheet

600x1000, 600x1100, 600x1200mm
800x1000, 800x1100, 800x1200mm

Highlights

- Professional Technical and Aesthetic Design**
- Super Passive Ventilation**
- Ventilated Roof and Cable Management**
- Adjustable Front and Rear 19" Profile Rails**
- Robust Construction**
- Stability and Levelling**
- Extensive Accessories Portfolio**
- 2000Kg Load Capacity**



Product Overview

D-Center series are designed to provide maximum performance with a professional technical, aesthetic look and super passive ventilation for data center infrastructure and are available in range of heights and depths.

Enhanced strength, super passive ventilation and aesthetics are priorities of D-Center's design. Each cabinet has a ventilated roof for better air circulation and roof cable management panels. Fully adjustable front and rear profile rails and large cable entries of the cabinet, make this product extremely attractive to installers who needs Data Center cabinet.

Each rack consists of up to 1.5 mm strong steel sheet material which ensures a very good stability as a robust steel construction due to special plate curving technique and a load capacity up to 2000kg can be reached. Sliding balance bars with levelling feet in front provides better stability based on center of gravity. An extensive accessories portfolio for plinths, shelves, cable management, etc. will help to meet many requirements in daily use.

Key features of the D-Center series include;

- 1 Professional Technical and Aesthetic Design:**
The series is designed with a focus on both technical performance and aesthetic appeal, meeting the needs of data center professionals while maintaining a sleek and professional look.
- 2 Super Passive Ventilation:**
The cabinets are equipped with super passive ventilation systems to ensure efficient airflow and cooling within the cabinet, promoting optimal performance of the data center infrastructure.
- 3 Ventilated Roof and Cable Management:**
Each cabinet comes with a ventilated roof to enhance air circulation and facilitate effective cable management within the data center.



4 Adjustable Front and Rear 19" Profile Rails:

The front and rear profile rails in the cabinet are fully adjustable, providing flexibility in equipment installation and configuration.

5 Robust Construction and Load Capacity:

The cabinets are constructed using 1.5 mm strong steel sheet material and a special plate curving technique, ensuring robustness and stability. The cabinets can support a high load capacity of up to 2000kg.

6 Stability and Levelling:

Sliding balance bars with levelling feet at the front of the rack enhance stability by adjusting the center of gravity, providing a secure and balanced setup.

7 Extensive Accessories Portfolio:

D-Center series offers an extensive range of accessories, including plinths, shelves, cable management solutions, and more. This helps in meeting diverse requirements for effective and organized use in a data center environment

Description

| Feature | Values |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Heights | 42U, 45U, 47U, 52U |
| Width | 600mm, 800mm |
| Depth | 1000mm, 1100mm, 1200mm |
| Construction | <ul style="list-style-type: none"> ▪ Monobloc Frame Design ▪ Solid Welded Construction ▪ 2.0, 1.5, 1.2 Mm Zinc-Plated and Sheet Steel |
| Vertical Extrusions | <ul style="list-style-type: none"> ▪ Standard 2 pairs of sliding 19" vertical galvanized equipment mounting rails ▪ Marking and number of every U position |
| IP Rating | <ul style="list-style-type: none"> ▪ Standard IP20 ▪ IP40 when solid doors, bottom plate, and top covers applied |
| Load Rating | 2000Kg. / 4409.245Lbs |
| Side panels | <ul style="list-style-type: none"> ▪ Divided side panels ▪ Removable with locks ▪ Hanging simple installation |
| Colour | <ul style="list-style-type: none"> ▪ Standard RAL9005 Black, RAL9010 Pure White or RAL7035 Light Grey ▪ Optional colour is available |
| Materials | Sheet Steel, DIN EN 10130-99 / DC-01 6112 / DC-7122 |
| Grounding Continuity | According to EN 61587-1 / EN 61010-1 |



Mechanical Performance

- EN 61587-1 5.2.1 / 5.2.3
- Static mechanical load test (Performance level SL 12)
- Stiffness test (Performance level ST5)
- Shock test (IEC 60068-2-27: Ea; 1987)
- Performance level DL4S Impact test (IEC 60068-2-75:Eh; 2014) (Performance level IK07)

Mechanical Structures

- According to EN 61587-1 Mechanical Structures for Electronic Equipment
- EN IEC 60297, 19" Mounting EN IEC 60917 Overall Cabinet Dimensions

Protection Performance

EN/IEC 60529 - IP20 Ingress Protection performance

Mechanical Impact Resistance

EN/IEC 62262 - IK07 Mechanical Impact Resistance

Climatic Performance

- 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 ; (cyclic 2x), variant 2)

Electrostatic Powder Paint

- ISO 9001:2015 ASTM D523; ASTM D2794.
- DIN EN ISO 2811-1; ASTM D1186/D1400;

Industrial Atmosphere

- Salt mist test IEC 60068-2-11
- Salt Spray Test TS EN ISO 9227

Standards

Standards

Detail

ANSI/EIA-310-E

Electronic Industries Association standard for horizontal spacing, vertical hole spacing, rack opening and front panel width

DIN 41494 Part 1 & 7

Panel Mounting Racks for Electronics Equipment's; Racks and Panels, Dimensions; Dimensions of cabinets and suites of racks

BS EN 60297-3-100:2009

Mechanical structures for electronic equipment. Dimensions of mechanical structures of the 482,6 mm (19inc) series. Basic dimensions of front panels, sub racks, chassis, racks and cabinets

ISO9001, 14001

Management System, Environmental System



RoHS

RoHS compliancy, %100 Recyclable Material

CE

CE conform to EN 60950-1
Information Technology Equipment, Safety,
Part-1: General Requirement and EN IEC 62368-1
Audio/Video, Information and Communication
Technology Equipment Part 1: Safety requirements

Industries Alliance

- According to ETSI or EIA Standards
EIA-310-D,
EIA/ECA-310-D
EIA/ECA-310-E
19" = 482,6 mm
RU or U= 44,45 mm Height

Product Specification

Feature

Value

Body

- Monobloc Frame Design
- Solid Welded Construction 2.0, 1.5, 1.2mm Zinc-Plated and Sheet Steel

Front Door

- Standard Single Perforated Front Door Toolless Door Installation
- Options:
For width 600mm
Standard single Perforated Door
For width 800mm
Standard Single Perforated Door

Please check front door opt. page

Rear Door

- Standard Single/Double Opening Perforated Front Door Toolless Door Installation
- Options:
For width 600mm
Standard Single Opening Perforated Door
For width 800mm
Standard Double Opening Perforated Door

Please check Rear door opt. page

Paint

High resistance against external impacts.
Electrostatic RAL9005 black powder coating or
RAL7035 white powder coating (ISO 9001:2015)



Top Panels

5 different types according to customer request or project requirement

- Steel Blank Cover
- Blank Cover with Micro Joint Cable Entrance
- Brush With Large Cable Entrance
- Cable Entry Type
- Vented Cover

Bottom Panels

5 different types according to customer request or project requirement

- Steel Blank Cover
- Blank Cover with Micro Joint Cable Entrance
- Brush With Large Cable Entrance
- Cable Entry Type
- Vented Cover

19" Mounting Rail

4 pieces and adjustable along the entire depth of the cabinet and thickness 1.5mm, silk screened. There are "U Marks" from top to bottom and from bottom to top for easy device installation, the structure of the mounting rails is manufactured as 1U=44.45 with 9.5x9.5mm square holes with +/- 0.01 precision on CNC punch machines

Side Panels

4 different types according to customer request or project requirement

- Full Side Panel
- Horizontally Divided Side Panel
- Vertical Divided Side Panel
- Full Side Brushed Cable Entrance Side Panel

Grounding

All metal components in the cabin shall be electrically connected and grounded in accordance with IEC 61010-1 / 6.5.1.3. The maximum grounding resistance is 0.1 ohm.

Connection Elements (Bolt, Nuts, Washer, Etc.)

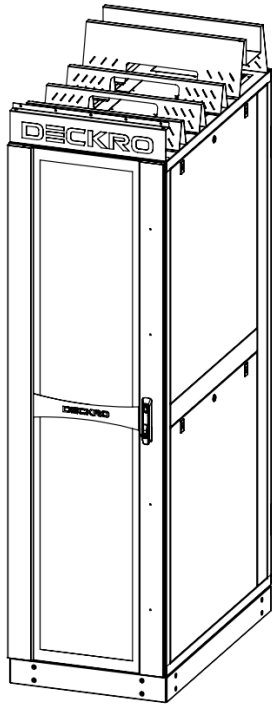
DIN 7985, DIN 965 , DIN 7981 , DIN 934 , DIN 985 , DIN 933 , RoHS

Lock

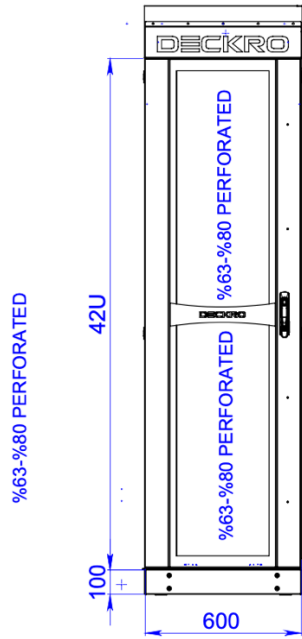
DIN 1743, DIN 53571, RoHS



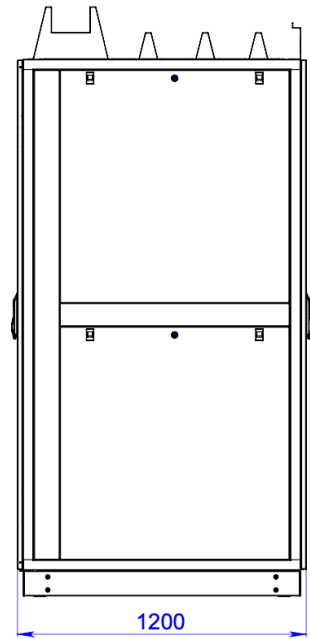
Product Drawings Width 600mm



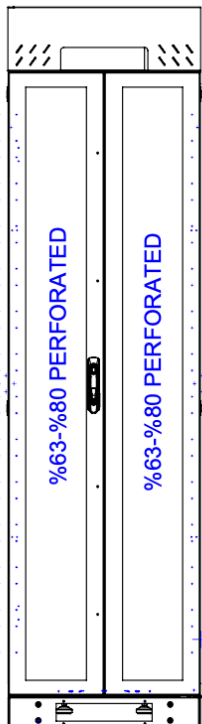
ISO VIEW



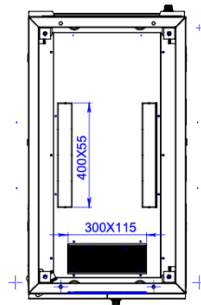
FRONT VIEW



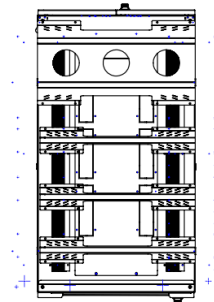
SIDE VIEW



REAR VIEW



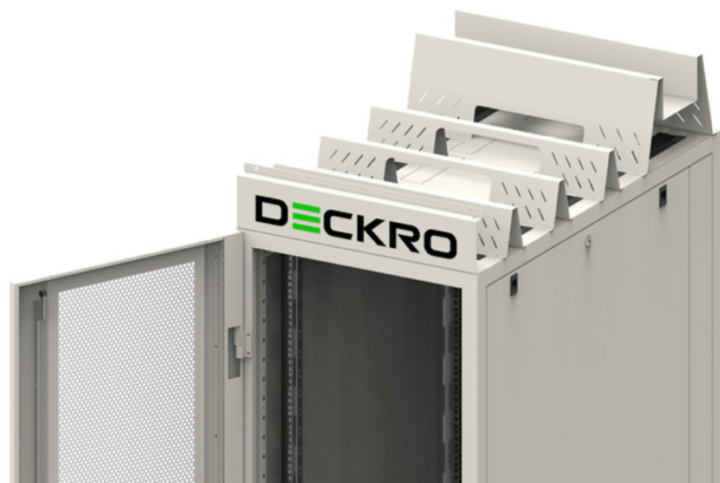
BOTTOM VIEW



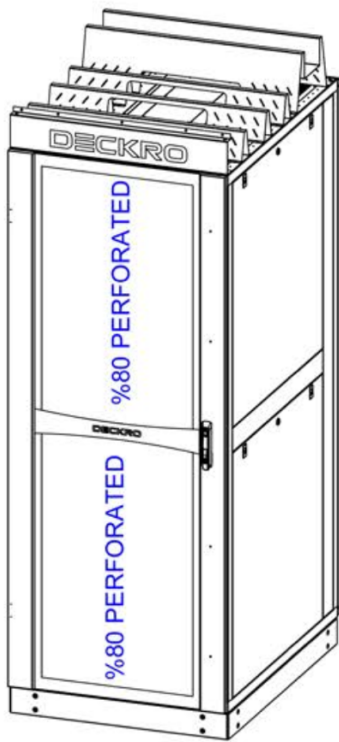
TOP VIEW



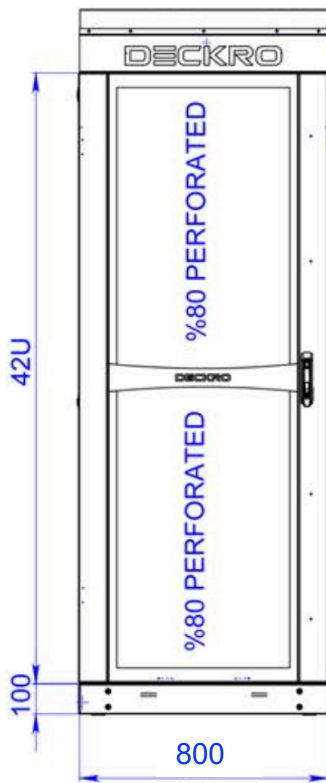
Product Image Width 600mm



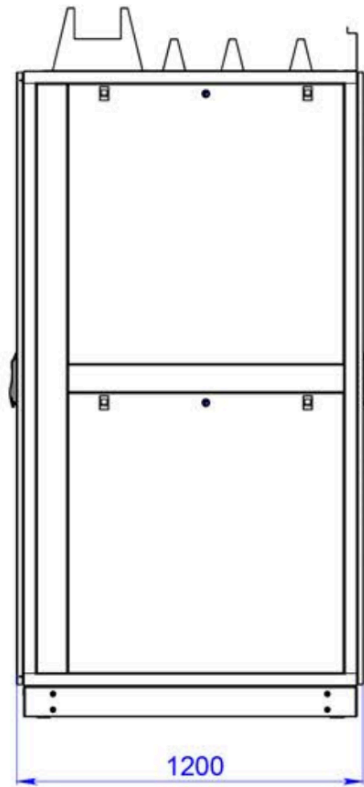
Product Drawings Width 800mm



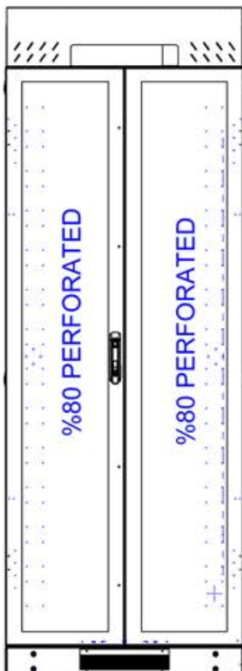
ISO VIEW



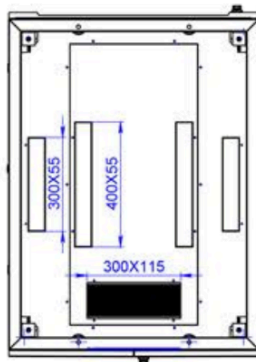
FRONT VIEW



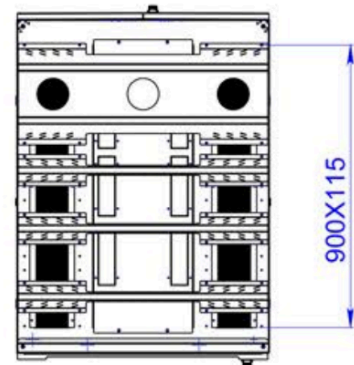
SIDE VIEW



BACK VIEW



BOTTOM VIEW



TOP VIEW



Product Image Width 800mm



Front Door Option



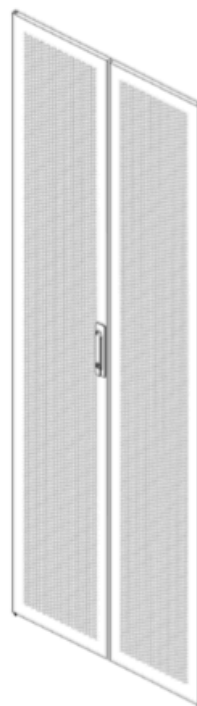
1. Hinged Glass Single Opening Front Door, Metal Side Frames



2. Hinged Glass Double Opening Front Door, Metal Side Frames



3. Hinged %65 Flat Perforated, Single Opening Front Door



4. Hinged %65 Flat Perforated, Double Opening Front Door



5. Hinged Solid Metal Single Opening, Front Door



6. Hinged Double Opening, Solid Metal Front Door



7. Hinged Curve 63% Perforated, Single Opening Front Door



8. Hinged Curve 80% Perforated, Single Opening Front Door



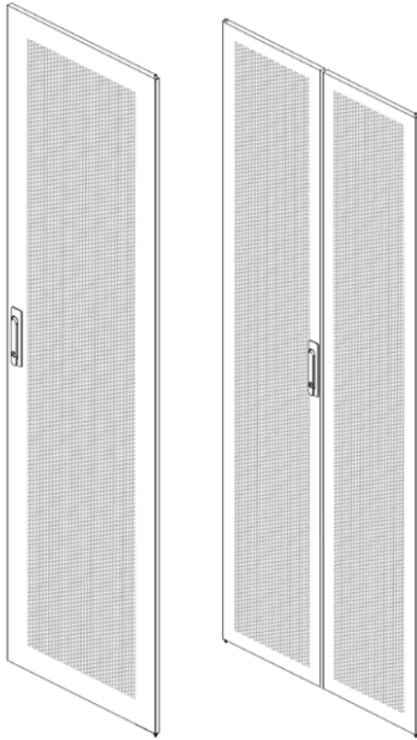
9. Hinged Full Framed Glass, Single Opening Front Door



10. Hinged Full Framed Glass, Double Opening Front Door



Front Door Options



11. Hinged 80%
Perforated, Single
Opening Front Door

12. Hinged 80%
Perforated, Double
Opening Front Door



Rear Door Options



1. Hinged Single Opening Solid Metal, Rear Door



2. Hinged Solid Metal Double Opening Rear Door



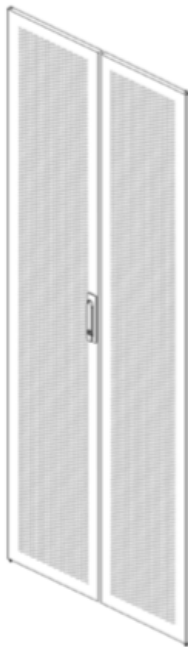
3. Hinged %65 Flat Perforated, Single Opening Rear Door



4. Hinged %65 Flat Perforated, Double Opening Rear Door



5. Hinged 80% Perforated Single Opening, Rear Door



6. Hinged 80% Perforated Double Opening, Rear Door



Follow The Steps to Set Up The D-Center Rack Code

| DDC | XX | XX | XX | XX | XX | XX |
|-----------|----------|------------|----------|------------|-----------|------------|
| 1 | 2 | 3 | 4 | 6 | 7 | 8 |
| 1. FAMILY | 2. WIDTH | | 3. DEPTH | | 4. HEIGHT | |
| DDC | Code | Width (mm) | Code | Depth (mm) | Code | Height (U) |
| | 60 | 600 | 10 | 1000 | 42U | 42U |
| | 80 | 800 | 11 | 1100 | 45U | 45U |
| | | | 12 | 1200 | 47U | 47U |
| | | | | | 52U | 52U |

| 6. COLOR | | 7. FRONT DOOR | | 8. REAR DOOR | |
|----------|------------|---------------|-----------------------------------------------------------|--------------|------------------------------------------------------|
| Code | Note | Code | Note | Code | Note |
| BB | Black | 1 | Hinged Glass Single Opening Front Door, Metal Side Frames | 1 | Hinged Single Opening Solid Metal, Rear Door |
| LG | Light Grey | 2 | Hinged Glass Double Opening Front Door, Metal Side Frames | 2 | Hinged Solid Metal Double Opening Rear Door |
| | | 3 | Hinged %65 Flat Perforated, Single Opening Front Door | 3 | Hinged %65 Flat Perforated, Single Opening Rear Door |
| | | 4 | Hinged %65 Flat Perforated, Double Opening Front Door | 4 | Hinged %65 Flat Perforated, Double Opening Rear Door |
| | | 5 | Hinged Solid Metal Single Opening, Front Door | 5 | Hinged 80% Perforated Single Opening, Rear Door |
| | | 6 | Hinged Double Opening, Solid Metal Front Door | 6 | Hinged 80% Perforated Double Opening, Rear Door |
| | | 7 | Hinged Curve 63% Perforated, Single Opening Front Door | | |
| | | 8 | Hinged Curve 80% Perforated, Single Opening Front Door | | |
| | | 9 | Hinged Full Framed Glass, Single Opening Front Door | | |
| | | 10 | Hinged Full Framed Glass, Double Opening Front Door | | |
| | | 11 | Hinged 80% Perforated, Single Opening Front Door | | |
| | | 12 | Hinged 80% Perforated, Double Opening Front Door | | |



Logistic Data 600x1000/1100/1200

| CODE | U | COLOR | RAL | HEIGHT (mm) | WIDTH (mm) | DEPTH (mm) | WEIGHT (KG) | LOAD CAPACITY (KG) |
|------------------|----|-------|------|-------------|------------|------------|-------------|--------------------|
| DDC601042UBB0805 | 42 | BLACK | 9005 | 1973 | 600 | 1000 | 115 | 2000 |
| DDC601045UBB0805 | 45 | BLACK | 9005 | 2105 | 600 | 1000 | 124 | 2000 |
| DDC601047UBB0805 | 47 | BLACK | 9005 | 2194 | 600 | 1000 | 133 | 2000 |
| DDC601052UBB0805 | 52 | BLACK | 9005 | 2416 | 600 | 1000 | 148 | 2000 |
| DDC601142UBB0805 | 42 | BLACK | 9005 | 1973 | 600 | 1100 | 123 | 2000 |
| DDC601145UBB0805 | 45 | BLACK | 9005 | 2105 | 600 | 1100 | 132 | 2000 |
| DDC601147UBB0805 | 47 | BLACK | 9005 | 2194 | 600 | 1100 | 141 | 2000 |
| DDC601152UBB0805 | 52 | BLACK | 9005 | 2416 | 600 | 1100 | 156 | 2000 |
| DDC601242UBB0805 | 42 | BLACK | 9005 | 1973 | 600 | 1200 | 131 | 2000 |
| DDC601245UBB0805 | 45 | BLACK | 9005 | 2105 | 600 | 1200 | 140 | 2000 |
| DDC601247UBB0805 | 47 | BLACK | 9005 | 2194 | 600 | 1200 | 149 | 2000 |
| DDC601252UBB0805 | 52 | BLACK | 9005 | 2416 | 600 | 1200 | 164 | 2000 |

800x1000/1100/1200

| CODE | U | COLOR | RAL | HEIGHT (mm) | WIDTH (mm) | DEPTH (mm) | WEIGHT (KG) | LOAD CAPACITY (KG) |
|------------------|----|-------|------|-------------|------------|------------|-------------|--------------------|
| DDC801042UBB0806 | 42 | BLACK | 9005 | 1973 | 800 | 1000 | 130 | 2000 |
| DDC801045UBB0806 | 45 | BLACK | 9005 | 2105 | 800 | 1000 | 135 | 2000 |
| DDC801047UBB0806 | 47 | BLACK | 9005 | 2194 | 800 | 1000 | 144 | 2000 |
| DDC801052UBB0806 | 52 | BLACK | 9005 | 2416 | 800 | 1000 | 159 | 2000 |
| DDC801142UBB0806 | 42 | BLACK | 9005 | 1973 | 800 | 1100 | 138 | 2000 |
| DDC801145UBB0806 | 45 | BLACK | 9005 | 2105 | 800 | 1100 | 143 | 2000 |
| DDC801147UBB0806 | 47 | BLACK | 9005 | 2194 | 800 | 1100 | 152 | 2000 |
| DDC801152UBB0806 | 52 | BLACK | 9005 | 2416 | 800 | 1100 | 167 | 2000 |
| DDC801242UBB0806 | 42 | BLACK | 9005 | 1973 | 800 | 1200 | 146 | 2000 |
| DDC801245UBB0806 | 45 | BLACK | 9005 | 2105 | 800 | 1200 | 151 | 2000 |
| DDC801247UBB0806 | 47 | BLACK | 9005 | 2194 | 800 | 1200 | 160 | 2000 |
| DDC801252UBB0806 | 52 | BLACK | 9005 | 2416 | 800 | 1200 | 174 | 2000 |



Part Number Table

| Part Number | Description |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DDC601042UBB0805 | Deckro Data Center Rack 19" 42U 600x1000mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Single Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |
| DDC601045UBB0805 | Deckro Data Center Rack 19" 45U 600x1000mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Single Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |
| DDC601047UBB0805 | Deckro Data Center Rack 19" 47U 600x1000mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Single Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |
| DDC601052UBB0805 | Deckro Data Center Rack 19" 52U 600x1000mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Single Opening Rear Door, Without Left/Right Side Panel, Without Top And Bottom Panel |
| DDC601142UBB0805 | Deckro Data Center Rack 19" 42U 600x1100mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Single Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |
| DDC601145UBB0805 | Deckro Data Center Rack 19" 45U 600x1100mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Single Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |
| DDC601147UBB0805 | Deckro Data Center Rack 19" 47U 600x1100mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Single Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |
| DDC601152UBB0805 | Deckro Data Center Rack 19" 52U 600x1100mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Single Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |
| DDC601242UBB0805 | Deckro Data Center Rack 19" 42U 600x1200mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Single Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |
| DDC601245UBB0805 | Deckro Data Center Rack 19" 45U 600x1200mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Single Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |
| DDC601247UBB0805 | Deckro Data Center Rack 19" 47U 600x1200mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Single Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |
| DDC601252UBB0805 | Deckro Data Center Rack 19" 52U 600x1200mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Single Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |
| DDC801042UBB0806 | Deckro Data Center Rack 19" 42U 800x1000mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Double Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |



| | |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DDC801045UBB0806 | Deckro Data Center Rack 19" 45U 800x1000mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Double Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |
| DDC801047UBB0806 | Deckro Data Center Rack 19" 47U 800x1000mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Double Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |
| DDC801052UBB0806 | Deckro Data Center Rack 19" 52U 800x1000mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Double Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |
| DDC801142UBB0806 | Deckro Data Center Rack 19" 42U 800x1100mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Double Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |
| DDC801145UBB0806 | Deckro Data Center Rack 19" 45U 800x1100mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Double Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |
| DDC801147UBB0806 | Deckro Data Center Rack 19" 47U 800x1100mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Double Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |
| DDC801152UBB0806 | Deckro Data Center Rack 19" 52U 800x1100mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Double Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |
| DDC801242UBB0806 | Deckro Data Center Rack 19" 42U 800x1200mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Double Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |
| DDC801245UBB0806 | Deckro Data Center Rack 19" 45U 800x1200mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Double Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |
| DDC801247UBB0806 | Deckro Data Center Rack 19" 47U 800x1200mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Double Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |
| DDC801252UBB0806 | Deckro Data Center Rack 19" 52U 800x1200mm. RAL9005 Black, IP20, %80 Perforated Single Opening Front Door, %80 Perforated Double Opening Rear Door, Without Left/Right Side Panel, Without Top and Bottom Panel |

