SVRC HEAVY-DUTY / MODEL SPECIFICATIONS

42U heavy-duty server rack

Project configuration | 42U | 600 × 1200 mm



Series reference photography

Service access

Lockable, removable panels provide access on all four sides. The standard front and rear doors are split and perforated.

Equipment mounting

Four depth-adjustable 19-inch rails carry U markings. Interlocking frame and corner profiles support the cabinet structure.

Cabling and ventilation

Protected sliding cable entries provide routing through the base. An optional roof unit accepts four or six fans.

RACK HEIGHT	CABINET WEIGHT	LOAD CAPACITY
42U	**116 kg**	**1,500 kg static**

External W × D × H	**600 × 1200 × 2098 mm**
Internal height (h)	**1870 mm**
Construction	**Powder-coated sheet steel**
Finish options	**RAL 7035 light grey / RAL 9005 black**
Ingress protection	**IP20**
Installation	**Indoor floor standing**

SVRC HEAVY-DUTY / DOORS AND FINISHES

Doors, finishes and frame

Cabinet and door options for the SVRC series.



RAL 9005 | Black



RAL 7035 | Light grey



Steel frame

Front doors



Split perforated



Single perforated



Curved single perforated

Rear doors



Split perforated

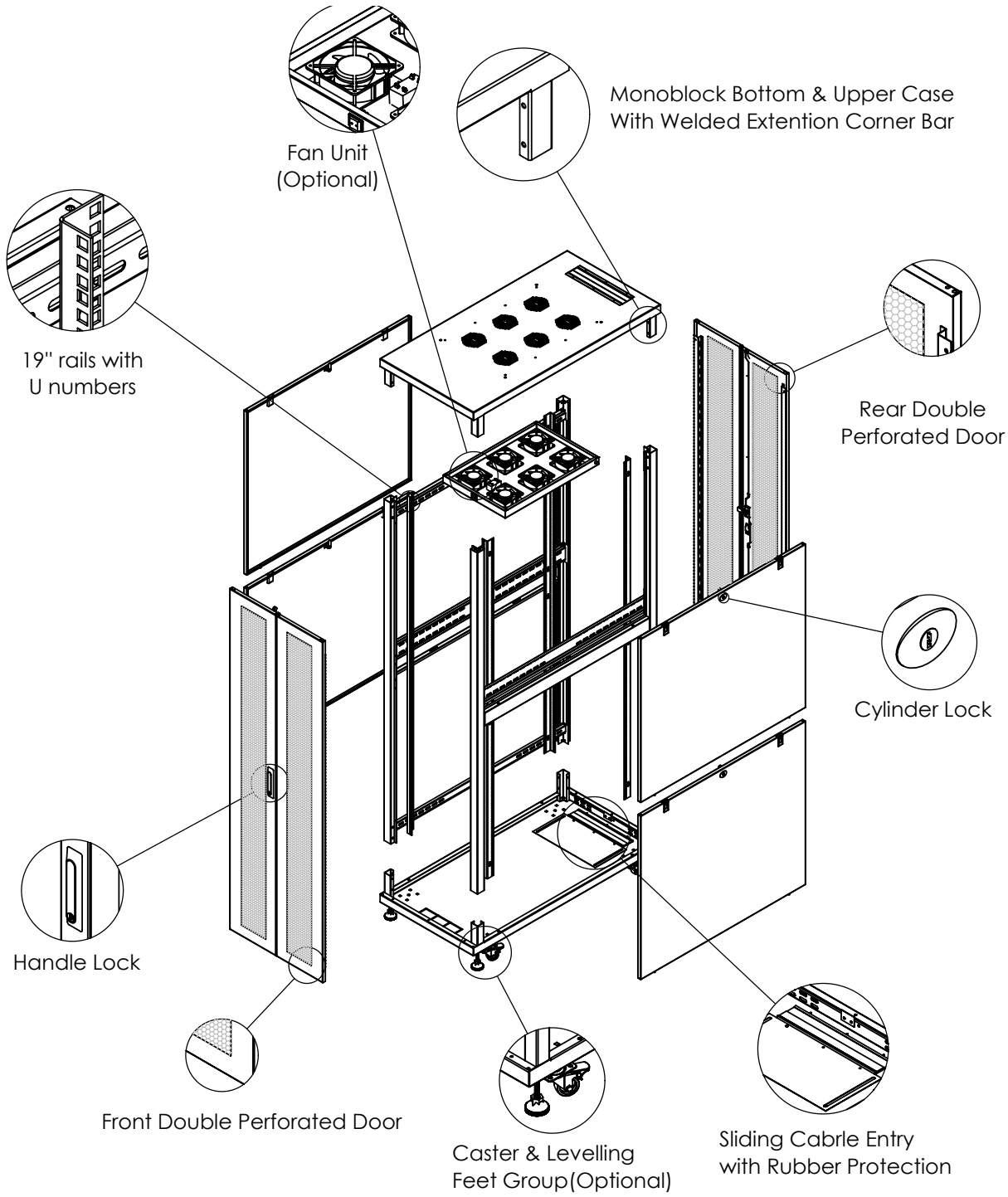


Single perforated

SVRC HEAVY-DUTY / ASSEMBLY

Exploded assembly

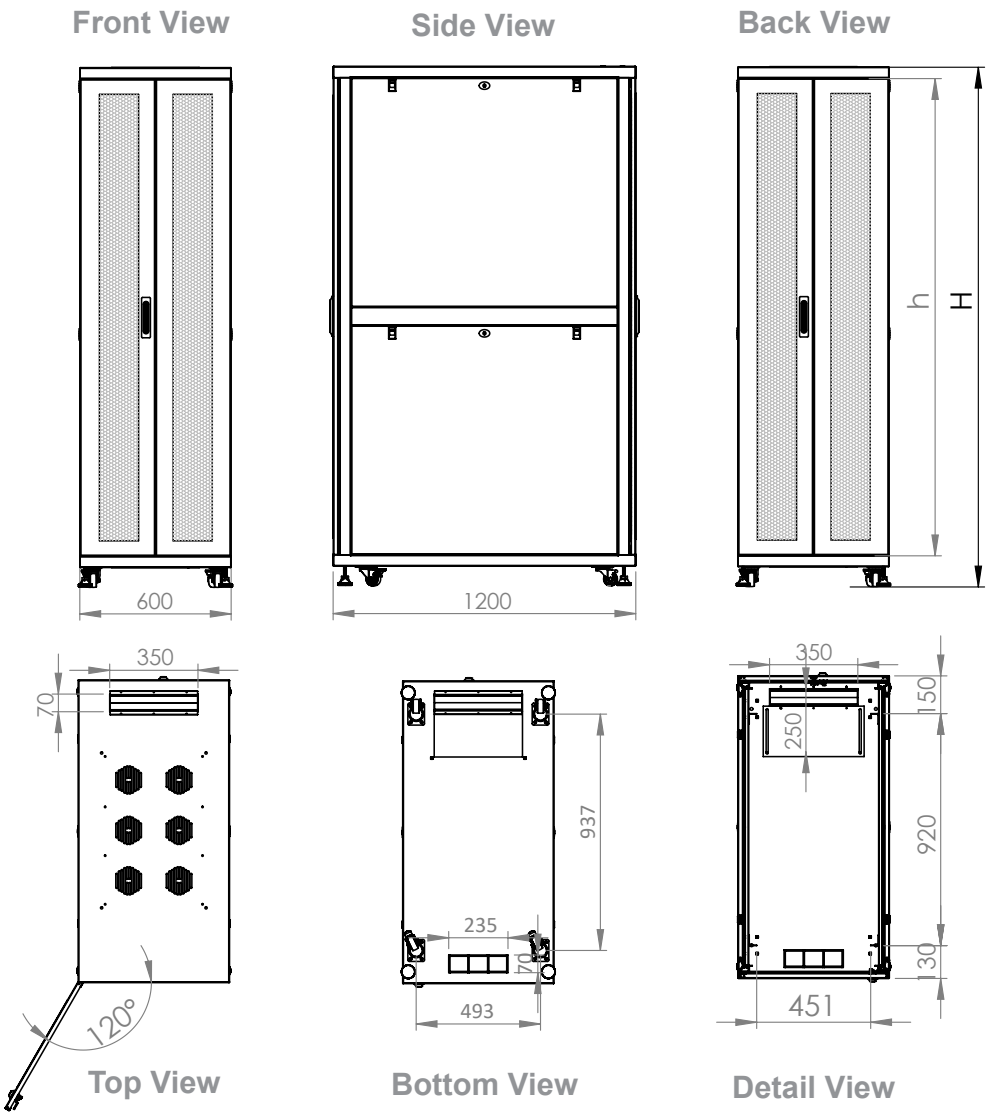
Door hardware, equipment rails and cable access. Optional components are identified in the drawing.



SVRC HEAVY-DUTY / MECHANICAL DRAWING

Dimensions and mounting details

Front, side and rear elevations, top and bottom plans, and mounting detail. Dimensions in mm.



External width × depth	**600 × 1200 mm**
External height (H)	**2098 mm**
Internal height (h)	**1870 mm**
Cabinet weight	**116 kg**

SVRC HEAVY-DUTY / TECHNICAL REFERENCES

Materials and test references

Test conditions, enclosure protection and component specifications for the series.

ENCLOSURE TESTS

Enclosure protection

IP20 under EN 60529. The access test uses a 12 mm diameter, 80 mm long probe applied with a force of 10 N.

Mechanical loading

EN 61587-1, clauses 5.2.1 and 5.2.3. The series documentation lists static loading at level SL06, vibration and resonance under IEC 60068-2-6, and shock under IEC 60068-2-27. Rolling is evaluated under EN 61587-1.

Temperature and humidity

C2 climate tests cover cold exposure at -25 ± 3 °C (IEC 60068-2-1), dry heat at +70 ± 2 °C (IEC 60068-2-2) and cyclic damp heat (IEC 60068-2-30). These are test exposures.

Industrial atmosphere

Sulphur dioxide and hydrogen sulphide exposure is listed at A2. References include IEC 60068-2-42, -43 and -49.

Protective bonding

The reported protective circuit resistance is below 0.1 ohm. Test references are EN 61587-1 and EN 61010-1.

MATERIALS AND COMPONENTS

Steel enclosure

Cold-rolled sheet steel. Material references include EN 10130 and NF A36-401.

Powder coating

The electrostatic coating specification references ASTM D523 for gloss, ASTM D2794 for impact and ASTM D1186/D1400 for film thickness. Density reference: ISO 2811-1.

Fan unit and fasteners

Fan unit safety reference: EN 62368-1:2020 with AC:2020 and A11:2020. Screw and nut references: ISO 7045 and ISO 4032. Material screening: IEC 62321.

Lock hardware

The lock specification lists glass-reinforced PA6 under ISO 1043-1 and a ZnAl4Cu1 alloy under EN 1774.

Optional castors

Wheel set references include EN 12532 and EN 12533. Castors and levelling feet are shown as options in the assembly view.

Equipment enclosure references include EN IEC 61587-1:2022, UL 2416 and RoHS.