

LVR-1421 series (14-22"D)

Lowell Vari-Rack®



Description:

The Vari-Rack is engineered for versatility in the field, easy installation and cost effective shipping. Innovative system with depth adjustment from 14"-21" measures a narrow 19.214"W and ships knocked down for freight economies. Assembled models will support up to 400 lbs and offer the functional benefit of mounting standard EIA fan, vent or closure panels size 1-4RU in the top and bottom of the expanded depth frame. Easy to assemble system includes only a few components for simple and labor-efficient installation. It is ideal for freestanding or built-in applications that have minimal space available such as inside custom cabinetry, desks, under counters, credenzas and in narrow and/or shallow open areas.

To speed installation, base and top sections are fully assembled with only the depth adjustment needed. Four corner post rails with printed rack units are easily installed and may be field cut in 1RU increments to create a custom rack height. Models with panel space over 30RU are equipped with two side support brackets for torsional rigidity. Each system includes panel mounting PilotPoint™ hardware. Top and base panel opening size is determined by the 'pinning depth' screw positions located on the inner brackets of the top and base. For easy adjustment, the brackets are printed with inches, millimeters and RU increments and may be secured along a 'variable' slot or 'pinned' in EIA increments. (Note: if side panels are planned, the pinning depth will need to be in the 4RU position to ensure that the rack is fully extended to the 21" depth to mount the 22"D side panels.) The front of the base and top are vented for natural heat dissipation and include a center device cutout with cover to mount low voltage Decora-style switches and controls (order separately). Corner post mounting rails are robust 11 gauge steel tapped 10-32 and printed with RU increments. Base and top are heavy gauge US Steel shipped fully assembled with inner depth adjustment brackets, 5/16" hex nuts and 10-32 x 1/2" flat-head screws and 10-32 hex nuts for pinning EIA depths. Durable black powder epoxy finish. 10-32 PilotPoint™ panel mounting screws with captive washers are included with rails.

Features:

- 14" - 21"D adjustable base and top
- Four corner post 11-gauge steel mounting rails tapped 10-32
- 400 lbs. load capacity
- Removable top knockout panel with .5" knockout for wireless antennas, .75"-.5" and 1.5"-1" knockouts for conduit
- PilotPoint™ screws with captive washers
- Two side support brackets included with 30U, 38U, and 44U models
- Black powder epoxy finish

Options:

- **Vented Side Panels:** feature lift-off convenience with pocket grips and guide-post/keyhole mounts. Panels can be secured with screws if desired. Panel extends .5" beyond front and rear of frame and adds .625" to the width. 18-gauge steel with vents top and bottom. Black. (Note: 22"D side panels mount to LVR-1421-series in fully extended (21"D) position only. Black.
- **Rear Access Cover:** vented for passive heat dissipation. Includes lock and key. Black. Note for thermal management: cover will accept optional fan panels (two FW1-KIT or one FW2-RD).
- **Front Door:** solid or Plexiglas front door sits 1.38" from frame and includes lock and key. Mounts right or left without drilling. Black.
- **Middle-depth Rails:** additional mounting rails support rear of rack-mounted equipment. LVR-RRRT-series rails are specifically engineered with a thin flange to fit LVR-series racks. Sold in pairs.
- **Mobile Base:** 14-ga. steel, skirted design hides four 3" swivel casters. Increases rack height 4.25". Fits racks set to 21"D. Black.
- **Cable Chaise:** 3"W raceway for wire or cable management. Fits 44U rack set to 21"D. Black.
- **Protective Runner Kit:** plastic glides protect cabinetry when rack is placed inside a credenza.
- **Casters:** available in swivel or swivel/locking styles.
Note: use caution when loading equipment or moving racks on a mobile base or casters to avoid tipover.

A&E Specifications:

Open frame rack system(s) shall be Lowell LVR-1421-series variable depth, thin frame system Model _____. Rack frame(s) shall measure 19.214"W and have a variable depth of 14 to 21 inches. Panel space height shall be _____RU for mounting EIA standard components. Corner post mounting rails shall be 11-gauge steel with printed rack unit increments. Frame system shall ship knocked down and feature pre-assembled base and top units for fast installation. Base and top shall provide variable and 'pinned' depth adjustment in inches, millimeters, and RU increments. System shall be finished in black powder epoxy and include assembly and panel mounting hardware. Models 30RU and taller shall include side support brackets. *Optional Side Panels:* Installations that require side panels shall include Model _____. Side panels shall be 22"D and mount to the fully expanded 21"D position of the LVR-1421-series frame. Panels shall mount to key-hole openings in the frame and include a recessed handle for lift off access. *Optional Middle Depth Rails:* Installations that require rear rail support shall include LVR-RRRT-series Model _____, which includes one pair of 10-32 rails, four adjustable support brackets and hardware.



Rack Model No.:	LVR8-1421	LVR14-1421	LVR22-1421	LVR30-1421	LVR38-1421	LVR44-1421
Rack Units (1.75", A) :	8RU	14RU	22RU	30RU	38RU	44RU
Panel Space (A):	14.125"	24.625"	38.625"	52.625"	66.625"	77.125"
Overall Height (B):	17.841"	28.341"	42.341"	56.341"	70.341"	80.841"
Inside Side Height (C):	9.931"	20.431"	34.431"	48.431"	62.431"	72.931"
Overall Width:	19.214"	19.214"	19.214"	19.214"	19.214"	19.214"
Overall Depth Closed:	14"	14"	14"	14"	14"	14"
Overall Depth Expanded:	21"	21"	21"	21"	21"	21"
Usable Depth:	14 - 21"	14 - 21"	14 - 21"	14 - 21"	14 - 21"	14 - 21"
Mounting Rails:	4	4	4	4	4	4
Side Support Brackets:	0	0	0	2	2	2
Panel Hardware:	25	25	25	25	50	50

Options:

Vented Side Panels: sold in pairs, panels are 22"D and designed to mount to an LVR-1421 rack set to fully extended (21"D) position only. Panels extend 1" beyond rack frame (.5" front and back).

Model No.	LVR8-21SP	LVR14-21SP	LVR22-21SP	LVR30-21SP	LVR38-21SP	LVR44-21SP
Middle Depth Rails: sold in pairs, rack rails are designed to "float" within rack height. Rack unit height is indicated in last two digits of part number (e.g., LVR-RR10 = 10RU)	---	LVR-RR10	LVR-RR10	LVR-RR10	LVR-RR10	LVR-RR10
	---	LVR-RR16	LVR-RR16	LVR-RR16	LVR-RR16	LVR-RR16
	---	---	---	LVR-RR24	LVR-RR24	LVR-RR24
	---	---	---	---	LVR-RR32	LVR-RR32
	---	---	---	---	---	LVR-RR40

Front Door: solid steel door OR steel door with smoked Plexiglas insert (P suffix in model number).

LVR-FD-8	LVR-FD-14	LVR-FD-22	LVR-FD-30	LVR-FD-38	LVR-FD-44
LVR-FD-8P	LVR-FD-14P	LVR-FD-22P	LVR-FD-30P	LVR-FD-38P	LVR-FD-44P

Rear Access Cover: vented, locking rear cover.

LVR-RAC-8V	LVR-RAC-14V	LVR-RAC-22V	LVR-RAC-30V	LVR-RAC-38V	LVR-RAC-44V
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Mobile Base: base with 4 casters will fit any LVR-1421 rack set to fully extended depth (21").

LVR-MB21	LVR-MB21	LVR-MB21	LVR-MB21	LVR-MB21	LVR-MB21
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Casters (only): set of 4 casters either swivel or swivel-locking (L suffix indicates 1-pr. have locks) for use with any LVR rack set to any depth.

LVR-C3S	LVR-C3S	LVR-C3S	LVR-C3S	LVR-C3S	LVR-C3S
LVR-C3SL	LVR-C3SL	LVR-C3SL	LVR-C3SL	LVR-C3SL	LVR-C3SL

Protective Runner Kit: set of 4 plastic glides for use with any LVR rack set to any depth.

PRK	PRK	PRK	PRK	PRK	PRK
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Cable Chase: 3" raceway for use with rack model no. LVR44-1421 set to maximum depth (21").

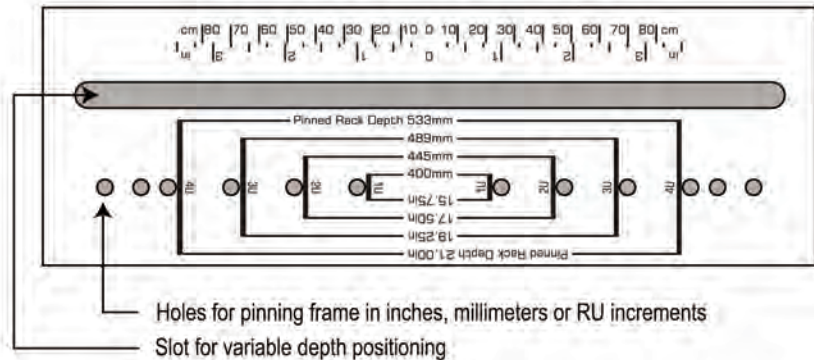
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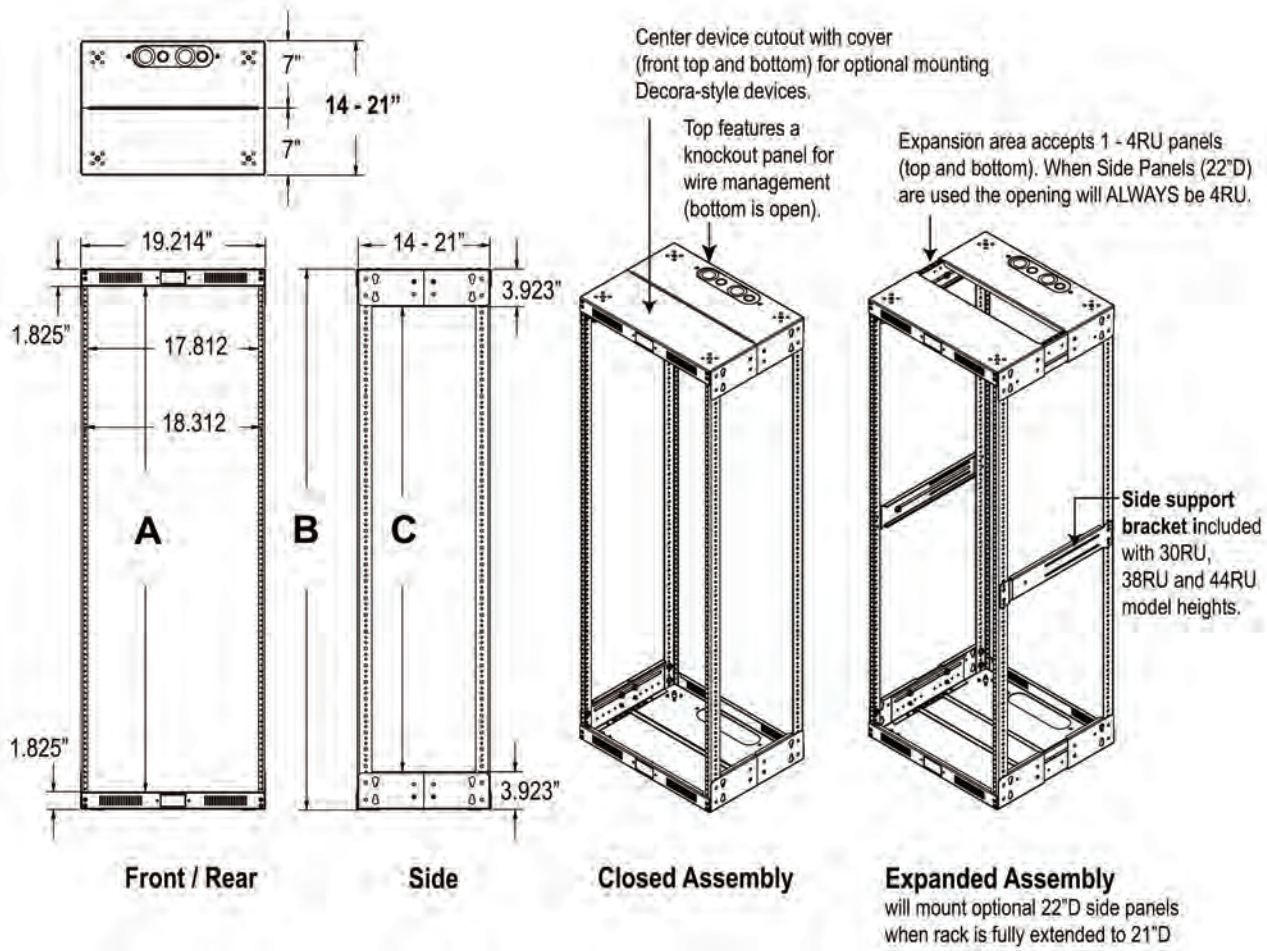


Depth Adjustment

Lowell's unique adjustable-depth frame uses an inner bracket in the top and base sections. For easy adjustment, the brackets are printed with inches, millimeters and 1-4RU increments and may be secured along a 'variable' slot or 'pinned' in EIA increments. The top and bottom assembly is shipped in the 14" deep position. To extend the top and bottom to desired depth, simply remove the four (4) screws/nuts, expand to desired depth, and reinsert the screws/nuts. The 5/16" hex nuts may also need to be loosened and secured.

Note: if side panels are planned, the pinning depth will need to be in the 4RU position to ensure that the rack is fully extended to the 21" depth to mount the 22"D side panels.





Optional Side Panels:

