

Model: LGR-series

Lowell Gangable Rack (22"D)

Description:

The LGR gangable rack is UL Listed (Standard 1678) and rated to support up to 3150 lbs. Open frame is welded 16-gauge steel with seamless side-frame construction, a 14-gauge steel bottom, and reinforcements at loadbearing junctures for strength equivalent to 11-ga. steel. Each rack frame is beveled front and rear and includes a vented rear door, steel closure panels (for top), removeable knockout panels above/below rear door, panel mounting hardware, and one (1) pair of adjustable rack rails. Finish is black wrinkle powder epoxy.

Features:

- UL rated to support up to 3150 lbs.
- Made in the USA with 100% certified U.S. steel.
- Adjustable Rack Rails: (1-pair RRD-series) feature a dual hole pattern and are installed with the tapped (10-32) side in position. They can be field-reversed to access the square punched side for use with cage nuts and 12-24, 6mm or 10-32 screws. Rails are imprinted with easy-to-read rack unit increments. Clearance from rails to flush outside of frame is 1.75" (2.5" from rail to inside of optional surface-mount front door).
- Front: open front has vents top and bottom for passive ventilation and will accept surface front door (LFD-series, order separately).
- Rear: rack includes recessed, locking rear door - vented top/ bottom. Removable knockout panels set above and below rear door. (Rack can also be purchased without a rear door—see model listings below.)
- Top: open top features 6"D rear conduit plane with knockouts for conduit: three (2"-1"), two (1.5"-1"), plus room to use a Greenlee-style punch for 4" conduit. Top also features six (0.5") knockouts for BNC style wireless antennas. Two flush solid steel panels (3U and 4U) are included to close the 7U opening. 19"W fan panels may be used instead (order separately).
- Bottom: 14-gauge steel bottom with full-size opening accepts large cable bundles. Vertical array of 2" holes and 4" x 1.5" openings front-to-rear along rack bottom assist cabling between racks. Includes T-nuts for optional leg levelers (order separately) and holes for anchor bolts (not included). Will accept optional stationary or mobile platform base (order separately).

Options: (order separately)

- **Side Panels:** vented, steel side panels with black finish. Sold in sets—each set includes 4 pieces (2 per side). Side panels increase overall width to 24.31". See models in chart below.
- **Platform Base:** stationary base (LSB-22), stationary shallow base (LSSB-22), mobile shallow base (LMSB-22), or mobile shallow base w/fine floor casters (LMSB-22FL). See related spec sheets for more information.
- **Front Door:** locking front door in solid steel, fully-vented steel, or steel frame with smoked Plexiglas insert (see LFD-series).
- **Rack Rails:** additional full length or short rack rails with dual-hole pattern can be ordered (see RRD-series).
- **Cable Chase:** Full height, 4"W cable chase (see LCC4-series).
- **Accessories:** see Lowell Rackware® for 19"W drawers, fan panels and other rack accessories.



Gangable racks
Shown with side panels



Rails with
dual hole pattern

A&E Specifications:

The UL Listed gangable rack shall be Lowell Model _____. Rack shall measure 23.06"W x 22"D x _____" H with ____ U panel space for mounting 19"W E.I.A. standard components. Rack shall include a vented rear door, solid top closure panels and one pair of adjustable mounting rails that are tapped 10-32 on one side and square punched on the other. Each welded assembly shall be of 16-gauge US Certified steel with seamless side-frame construction and have a 14-gauge steel bottom with reinforcement at all load-bearing junctures. Rack shall include compound knockouts on the top for conduit size 2"-1" and 1.5"-1", 0.5" knockouts for BNC wireless antennas, and a 7U top opening with integral E.I.A. rackrail to accept 19" wide accessories (solid closure panels are included). Bottom shall include provisions for optional leg levelers (ordered separately). Rack shall be equipped with 2" diameter holes located top to bottom along the rear side for wire/cable management between racks. Additionally, there shall be 4" x 1.5" obround openings front to rear along the bottom of the rack to manage cable bundles between racks. Rear frame shall include removable knockout panels for passage of large cable bundles above and below the rear door. Knockout panels shall have 0.5" knockouts (for wireless microphone antennas) and include compound knockouts for conduit size .75"-.5" and 1.5"-1". Rack front shall include vents above and below the door opening. Finish shall be wrinkle powder epoxy in black.

Model No.	Description	Rack Units*	Overall D	Useable D**	Panel Space	Overall H	Overall W
LGR-3522	Gangable Rack	35	22"	19.34"	61.38"	67.38"	23.06"
LGR-3522-LRD	Gangable Rack Less Rear Door	35	22"	19.34"	61.38"	67.38"	23.06"
LGR-4022	Gangable Rack	40	22"	19.34"	70.13"	76.18"	23.06"
LGR-4022-LRD	Gangable Rack Less Rear Door	40	22"	19.34"	70.13"	76.13"	23.06"
LGR-4422	Gangable Rack	44	22"	19.34"	77.13"	83.13"	23.06"
LGR-4422-LRD	Gangable Rack Less Rear Door	44	22"	19.34"	77.13"	83.13"	23.06"
LGR-3522-SP	Optional Side Panels (for LGR-3522) 1-pr.						
LGR-4022-SP	Optional Side Panels (for LGR-4022) 1-pr.						
LGR-4422-SP	Optional Side Panels (for LGR-4422) 1-pr.						

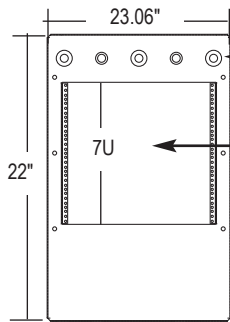
*One rack unit (RU or U) = 1.75" **Usable depth is the maximum racking depth with front rack rails in fully forward position.

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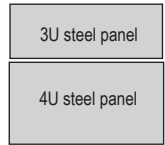
Lowell™

TOP VIEW



KNOCKOUTS FOR CONDUIT

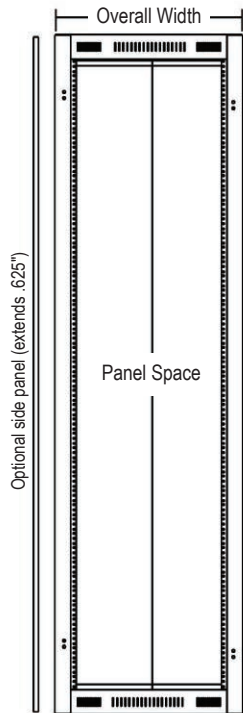
Three (2"-1"), two (1.5"-1"), plus six front-to-rear .knockouts for BNC. The extra deep 6" knockout plane provides room to use a Greenlee-style punch for 4" conduit.



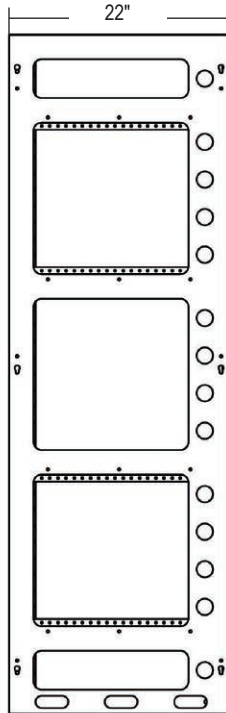
TOP CLOSURE PANELS

During shipping, two solid panels (3U, 4U) are mounted to the rack front for extra stability. Panels can be used as flush closure panels in the 7U EIA opening at top. The top will also accept optional fan or vent panels (order separately).

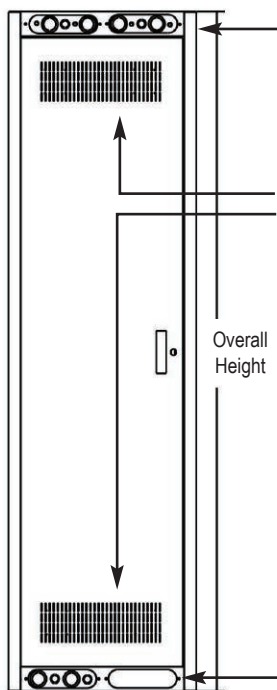
FRONT VIEW



SIDE VIEW



REAR VIEW



REAR KNOCKOUT PANELS

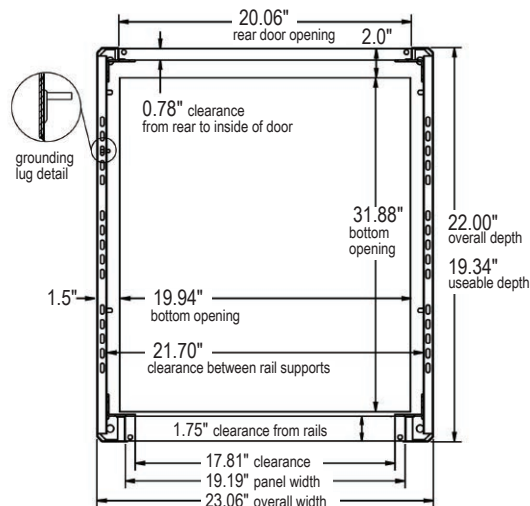
Panels above the recessed rear door have combination knockouts(.5") for wireless antenna, (.75"-.5") and (1.5"-1") for conduit.

Notched vents mount optional rear door fan panel or fan kit (order separately).

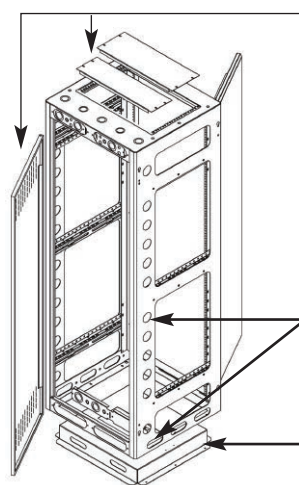
REAR KNOCKOUT PANELS

Below the rear door one panel has combination knockouts for conduit (.75"-.5") and (1.5"-1"). The other is a blank project panel.

BOTTOM FOOTPRINT & RACK CROSS-SECTION



REAR ASSEMBLY VIEW (WITH OPTIONS)



Top panels and locking, rear door (included).

OPTIONAL FRONT DOOR: Surface door mounts right or left even after equipment is installed.

OPTIONAL SIDE PANELS: Each pair features vents for passive heat dissipation, recessed hand grips, and the ability to lock in position even after equipment is installed(order separately).

Side openings (2" and 4" x 1.5") facilitate cable management between racks.

OPTIONAL BASE: Stationary and mobile bases fit inside frame. Open frame bottom is reinforced and includes T-nuts for optional leg levelers and holes for optional anchor bolts.

All measurements are inches.