



features.

- **Panel Space:** 44U or 77.00" [1956], + 4U in base
- **Overall Height:** 92.78" [2357]
- **Overall Depth:** 28.40" [721]
- **Usable Depth:** 26.00" [660], allowing partial extension of equipment into backbox
- **Overall Width:** 23.06" [586]
- **Description:** Wall-mount rack provides convenient access to equipment as it swings open on a support base, which offers an additional 4U of panel space.
- **Construction:** Welded 16-gauge certified U.S. steel. Black wrinkle powder epoxy finish. Beveled corners.
- **Backbox:**
 - 4.69"D box mounts on 16" centers
 - Rear includes opening to accommodate wall obstructions and multiple lacing points.
 - Sides have upper/lower EKO for conduit (2-1/2").
 - Top features a removable knockout panel and combination EKOs for conduit (1/2"–3/4" and 1"–1-1/2") plus KOs for wireless antennae (1/2").
 - Embossed dimples and lacing points on back plane allow flush installation of board-mounted accessories.
- **Cabinet (mounting section):**
 - Opens with single-release mechanism. Slam latch closure.
 - Pivots open 90 degrees on support base. Right-hand swing can be changed to left using internal spring-loaded hinges.
 - Top 7U opening has integral EIA rail for optional 19" accessories (fan panels, lights, etc.). Solid panels (shipping stiffeners) can also be used to close the top.
 - Vents in sides and front. Center key lock allows side-by-side installation.
 - One pair 11-gauge steel rails (44U, 10-32 threaded holes, numbered RU increments) are recessed 0.63" to allow 1.38" clearance for equipment knobs and optional door. Rails are adjustable (can be moved deeper into rack).
 - Cabinet (mounting section) depth 23.53"
- **Support Base:**
 - Stainless steel ball transfers in base assist smooth pivoting of loaded rack.
 - Side EKOs (2-1/2") along base for cable management
 - Top access panel (3U)
 - Front access panel can be removed to mount equipment or accessories (4U space, 1 pr. fixed-position rails).
 - Bottom opening: 19.92"D x 18.95"W
- **Installation:** Minimum clearance to allow 90 degree swing is 45.67" (+1" for optional door).
- **Hardware:** Black pilot point screws with captive washers for quick installation.
- **Compliance:** EIA/TIA compliant. RoHS compliant.
- **Load Capacity:** 500 lbs.
- **Optional:**
 - LFD-44, LFD-44FV or LFD-44P: Surface-mount front door (left or right swing)— solid steel, fully vented steel, or smoked plexiglass.
 - RRD-44: 1 pair 44U rear rails tapped 10-32 (for rack)
 - LWBR-BRR4: 1 pair 4U rear rails w/cage nuts (for base)
 - LWBR-BD4: 4U door for base
 - UDP-414: 4U utility drawer for base
 - MVBLWBR: Magnetic vent blockers



a&e specifications.

The EIA/TIA compliant wall-mount rack shall be Lowell LWBR-4428, which shall include a backbox and rack with support base. Overall measurements shall be 92.78"H x 28.40"D x 23.06"W, providing 44U rack space plus an additional 4U in the support base. Construction shall be 16 gauge welded, certified U.S. steel with beveled corners and black wrinkle powder epoxy finish. The cabinet (mounting section) with vented sides shall swing open 90 degrees on a support base with stainless steel ball transfers, from a right hinge (field changeable to left) and have a front key lock to secure it to backbox. It shall include 1 pair adjustable mounting rails (44U). The 4.69"D backbox shall mount on 16" centers and have knockouts for conduit and BNC antennae, multiple lacing points, provisions to attach board-mounted accessories and two access panels. The base shall have 1 pair fixed mounting rails (4U). Rack load capacity shall be 500 lbs.

Optional

- The rack shall include a surface-mount front door with key lock, Lowell _____ (LFD-44 solid steel, LFD-44FV fully vented steel, LFD-44P smoked plexiglass).
- The rack shall include an additional pair of 44U rails, tapped 10-32, for the rear of the rack, Lowell RRD-44.
- The rack shall include a pair of 4U rails, with cage nuts, for the rear of the support base, Lowell LWBR-BRR4.
- The rack shall include a 4U door for the support base, Lowell LWBR-BD4.
- The rack shall include a 4U utility drawer for the support base, Lowell UDP-414.
- The rack shall include a set of magnetic vent blockers to assist airflow management, Lowell MVBLWBR.

LWBR series summary

Model No.	Cabinet Space	Base Space	Overall Depth	Usable Depth	Overall Height	Overall Width	Cabinet Top Opening	Cabinet Rails (adjustable)	Base Rails (fixed)	Load Capacity
LWBR-4022	40 U	4 U	22.40 [569]	20.00 [508]	85.78 [2179]	23.06 [586]	7 U	1 pr	1 pr	500 lbs
LWBR-2428	24 U	4 U	28.40 [721]	26.00 [660]	57.77 [1467]	23.06 [586]	7 U	1 pr	1 pr	500 lbs
LWBR-3528	35 U	4 U	28.40 [721]	26.00 [660]	77.03 [1957]	23.06 [586]	7 U	1 pr	1 pr	500 lbs
LWBR-4028	40 U	4 U	28.40 [721]	26.00 [660]	85.78 [2179]	23.06 [586]	7 U	1 pr	1 pr	500 lbs
LWBR-4428	44 U	4 U	28.40 [721]	26.00 [660]	92.78 [2357]	23.06 [586]	7 U	1 pr	1 pr	500 lbs
LWBR-2432	24 U	4 U	32.40 [823]	30.00 [762]	57.77 [1467]	23.06 [586]	10 U	1 pr	1 pr	500 lbs
LWBR-3532	35 U	4 U	32.40 [823]	30.00 [762]	77.03 [1957]	23.06 [586]	10 U	1 pr	1 pr	500 lbs
LWBR-4032	40 U	4 U	32.40 [823]	30.00 [762]	85.78 [2179]	23.06 [586]	10 U	1 pr	1 pr	500 lbs

Rack dimensions (rounded) – inches and [mm]; 1U = 1.75"



