

**Model No.**

LGR-4427

- **Gangable rack**
- **44 U x 27"D x 23.06"W**

The LGR offers solid structural support for electronics in multi-bay applications. Includes rear door. Front door is optional (order separately). UL 2416 Listed.

Construction & Features

- **Frame:** Open frame with beveled corners is welded 16-ga. steel with seamless side frame construction and 14-ga. base reinforced at load-bearing junctions for strength equivalent to 11-ga. steel. Overall height is 83.125" (44U useable). Overall depth is 27" (24.34" useable).
- **Front:** Front vents above and below main opening. Clearance from rails to outside frame is 1.75" (flush). A surface-mount front door is available as an option (pg. 3).
- **Rear:** Includes recessed rear door with vents and key lock. Knockout panels above/below door have (.5") knockouts for wireless antennas and (.75-.5"; 1.5-1") knockouts for conduit. A blank project panel is located below the rear door.
- **Top:** 6"D rear conduit plane with combination knockouts (three 2.0-1.0", two 1.5-1.0"), room to use a Greenlee-style punch for 4" conduit, and four knockouts (.5") for wireless antennas. The 7U opening has riveted rails tapped 10-32 to mount optional 19"W fan or vent panels, or to close with solid panels included (shipped mounted to rack front).
- **Base:** 14-ga. steel frame with full size center opening and 4"x1.5" side openings accommodates cabling between racks. Includes grounding stud. The base has provisions to mount an optional mobile or stationary platform base or leg levelers (pg. 3), as well as anchor bolts (not included).
- **Adjustable Rails:** Includes 2 pr. mounting rails tapped 10-32 with printed rack unit increments. Rails are fully adjustable and can be set anywhere along side rail supports.
- **Cable Management:** Removable knockout panels with combination knockouts above/below rear door. Vertical array of 2" holes on sides of frame.
- **Thermal Management:** Vents in front frame and rear door.
- **Load Capacity:** 3150 lbs.
- **Compliance:** EIA/TIA/RoHS compliant, UL 2416 Listed
- **Finish:** Black wrinkle powder epoxy
- **Hardware:** PilotPoint™ screws with captive washers.
- **Origin:** Made in the U.S.A. with certified U.S. steel

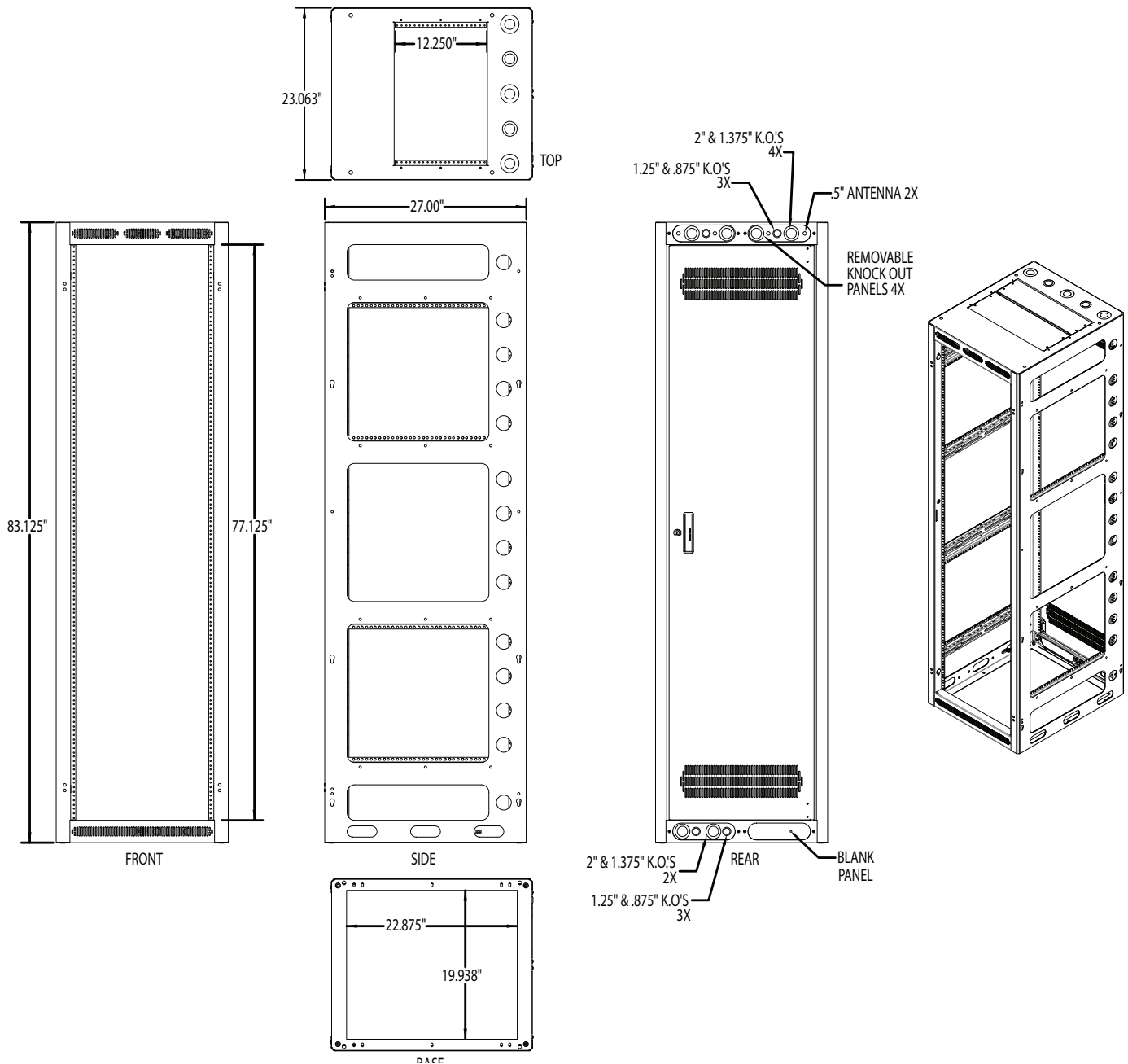
**Options** (order separately)

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A&E Specifications

The EIA/TIA/RoHS compliant, gangable rack shall be Low-ell Model No. LGR-4427. Overall measurements shall be 83.125"H x 27"D x 23.06"W with panel space of 44 rack units. Load capacity shall be 3,150 lbs. The rack shall include a recessed rear door with vents and key lock; top with 7U opening and compound knockouts; open base with grounding stud; two pairs adjustable mounting rails with printed RU increments; knockout panels with combination knockouts above/below rear door; blank project panel below rear door; and provisions to mount an optional surface-mount front door (ordered separately). The rack shall be manufactured in the U.S.A. with certified U.S. steel and have a black wrinkle powder epoxy finish. It shall be listed to UL 2416.

Technical Drawings



Options

Front Door (LFD Series): Surface-mount front door with key lock mounts left or right without drilling. Front rail clear-ance to inside of door is 2.5." Available in solid steel, fully vented steel or smoked plexiglass.

Side Panels (SDP-4427): Solid steel side panels, 1 pr.

Extra Rails (RRD-44): 44U rails tapped 10-32 can be adjusted to mount anywhere along support brackets (1 pr).

Mobile Base (LMB-27): Mounts inside rack frame providing a platform flush to bottom rack space. Increases rack height 1.25". Center opening. Swivel casters. Load rating 1400 lbs.

Stationary Base (LSB-27): Mounts inside rack frame creating a floor that's flush with bottom rack space to support heavy equipment mounted in lowest rack position. Does not increase rack height. Center opening. **(LSSB-27):** Shallow base provides sub-floor 2.25" below bottom rack space, creating a recessed area for accessories. Center opening.

Rear Door Fan Panel (FW2-RD): Mounts to vents in rear door or side panels. Includes two whisper fans with standard cord. **(FW2-RDT):** Cord has built-in thermostat.

Magnetic Vent Blockers (MVBLGR): Set of two magnetic strips to aid active thermal management, typically mounted on rack interior).

Fully Vented Rear Door (LRD-44FV): For increased passive ventilation, order the rack without the standard rear door (no. LGR-4427-LRD) then order a fully vented rear door separately.

Cable Chase (LCC4-4427): 4"W channel provides extra wiring space between racks or at end of multi-bay configuration. 83"H x 27"D.

Model No. Summary

Model No.	Description	Panel Space	Overall Height	Overall Width	Overall Depth	Useable Depth
Racks						
LGR-4427	Gangable rack	44U	83.125"	23.06"	27"	24.34"
LGR-4427-LRD	Gangable rack (less rear door)	44U	83.125"	23.06"	27"	24.34"
Options						
LFD-44	Solid front door					
LFD-44P	Smoked plexiglass front door					
LFD-44FV	Fully vented front door					
SDP-4427	Side panels (1 pr)					
RRD-44	Adjustable rails (1 pr, 44U)					
LMB-27	Mobile base					
LSB-27	Stationary platform base					
LSSB-27	Shallow stationary base					
FW2-RD	Rear door fan panel (2 whisper fans, standard cord)					
FW2-RDT	Rear door fan panel (2 whisper fans, thermostat in cord)					
MVBLGR	Magnetic vent blocker kit					
LRD-44FV	Fully vented rear door					
LCC4-4427	Cable chase					

1 rack unit (RU or U) = 1.75 inches or 44.45 mm.