



Model No.

# LFR-4427

## Fixed-Rail Rack

Panel Space:	44U or 77.00" [1956]
Overall Height:	83.125" [2111]
Overall Depth:	27.00" [686]
Usable Depth:	24.25" [616]
Overall Width:	23.06" [586]
Load Capacity:	2000 lbs. [907kg] (UL Listed)



ECONOMICAL STAND-ALONE FLOOR RACK features welded sides, fixed-position front rails for a cost-effective solution for equipment that won't need to be moved deeper into the rack, and 8"D rear brackets for semi-adjustable positioning of optional rear rails.

## FEATURES

**CONSTRUCTION:** Fully welded certified U.S. steel, 16-gauge frame with 14-ga. bottom reinforced at load-bearing junctions. Black wrinkle powder epoxy finish. Beveled edge front corners.

**FRONT:** Upper and lower vents in frame front. Nutserts are ready to add optional surface-mount front door (reversible, left or right swing).

**REAR:** Laser-cut knockout panels and combination EKOs for conduit (1/2"-3/4" and 1"-1-1/2") in frame above and below rear door. Upper section has KOs for wireless antennae (1/2"). Standard model includes recessed rear door (reversible—left or right swing) with vents and key lock. Rear door can be omitted by placing "LRD" (less rear door) suffix in model number.

**SIDES:** Welded side panels with upper and lower vents.

**BOTTOM** (open access): Includes 10-32 threaded grounding stud in corner, 3/8"-16 threaded T-nuts for (optional) leg levelers, and holes for anchor bolts (by others). Opening is 19.94"W x 22.88"D.

**CONFIGURABLE TOP** (with closure panels): 7U top opening features 10-32 threaded rails on 19" E.I.A. spacing. Includes two black solid closure panels (3U, 4U) which can be replaced with optional 19" panels (fan, vent, etc.).

**CABLE MANAGEMENT:** Combination knockouts above and below rear door. Large opening in bottom of rack.

**THERMAL MANAGEMENT:** Vents in top, sides, and rear door will accept (optional) single fan kits or rear door fan panel.

**RACK RAILS – 44U** (fixed-position): One pair of 11-gauge steel 10-32 threaded rails on E.I.A. spacing with bi-directional numbered RU increments (rails mount in either direction). Black finish. Clearance from front rail to outside frame (flush) is 1.75".

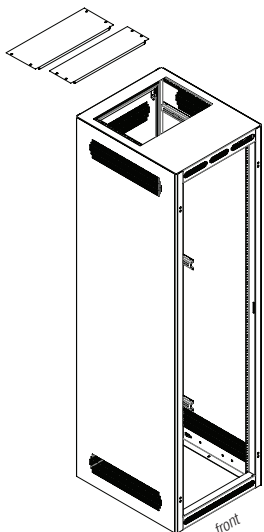
**REAR BRACKETS:** 8"D brackets accommodate semi-adjustable positioning of (optional) rear rails or accessories.

**Hardware:** Black pilot point screws with captive washers for quick installation.

**COMPLIANCE:** EIA/TIA compliant. RoHS compliant. UL 2416 Listed in U.S. and Canada.

### OPTIONAL:

- Front door (LFD Series)
- Additional rails (RRD-44)
- Leg levelers (LL)
- Mobile base (LMB-27)
- Stationary base (LSB-27)
- Rear door fan panel with 2 whisper fans (FW2-RD, additional models available)



The rack includes a rear door and top closure panels. A front door is optional, order separately.



## A&E SPECIFICATIONS

The EIA/TIA compliant 19" equipment floor rack shall be Lowell model LFR-4427 with overall dimensions of 83.125"H x 27.00"D x 23.06"W; usable height of 44 rack units, and usable depth of 24.25". Rack construction shall be fully welded certified U.S. steel with 16-gauge frame and 14-gauge bottom reinforced at load-bearing junctions, all with black wrinkle powder epoxy finish. The welded sides shall feature upper and lower vents. The rack shall include a recessed rear door (reversible—left or right swing) with vents and key lock, laser-cut knockout panels and combination EKO's for conduit (1/2"—3/4" and 1"—1-1/2") in frame above and below rear door, and (1/2") KO's for wireless antennae above the rear door. The frame front shall have upper and lower vents, and provisions to accept an (optional) surface-mount door with left or right hand swing. The configurable top shall feature a 7U opening and include two solid closure panels, which can be replaced with (optional) 19" fan or vent panels. The bottom shall have an opening measuring 22.88" x 19.94". The rack shall include a grounding stud and 1 pair (44U) fixed-position front rails tapped 10-32 on 19" E.I.A. spacing, with black finish and numbered rack unit increments. The rack shall include two rear brackets (8"D) to mount (optional) rails or accessories. The UL 2416 Listed rack shall be manufactured in the U.S.A. with UL Listed load capacity of 2000 lbs.

## OPTIONAL ACCESSORIES

- The rack shall include a solid steel surface-mount front door with key lock, LFD-44.
- The rack shall include a smoked plexiglass surface-mount front door with key lock, LFD-44P.
- The rack shall include a fully-vented surface-mount front door with key lock, LFD-44FV.
- The rack shall include a mobile base, LMB-27, which shall add 1.25" to overall height.
- The rack shall include a stationary base, LSB-27, which shall not increase height.
- The rack shall include a set of four leg levelers, LL.
- The rack shall include an additional pair of 44U mounting rails, RRD-44.
- The rack shall include a fan panel with two fans, which shall mount to the rear door, FW2-RD.

## LFR SERIES SUMMARY

Model No.	Rack Units	Overall Depth	Usable Depth	Overall Height	Usable Height	Overall Width	Top Opening	Bottom Opening Depth	Bottom Opening Width	Fixed Rails	Load Capacity
LFR-2122	21 U	22.00 [559]	19.25 [489]	42.88 [1089]	36.75 [933]	23.06 [586]	---	17.88 [454]	19.94 [506]	1 pr	500
LFR-2422	24 U	22.00 [559]	19.25 [489]	48.13 [1222]	42.00 [1067]	23.06 [586]	---	17.88 [454]	19.94 [506]	1 pr	500
LFR-3522	35 U	22.00 [559]	19.25 [489]	67.38 [1711]	61.25 [1556]	23.06 [586]	---	17.88 [454]	19.94 [506]	1 pr	1600
LFR-3527	35 U	27.00 [686]	24.25 [616]	67.38 [1711]	61.25 [1556]	23.06 [586]	7 U	22.88 [581]	19.94 [506]	1 pr	1600
LFR-4027	40 U	27.00 [686]	24.25 [616]	76.13 [1934]	70.00 [1778]	23.06 [586]	7 U	22.88 [581]	19.94 [506]	1 pr	2000
LFR-4427	44 U	27.00 [686]	24.25 [616]	83.13 [2111]	77.00 [1956]	23.06 [586]	7 U	22.88 [581]	19.94 [506]	1 pr	2000

*Rounded dimensions inches and [mm]; 1U = 1.75"*

**ORDERING OPTION:** Omit rear door by adding "LRD" to end of model number, ex. LFR-3522-LRD

THIS SPEC

## TECHNICAL DRAWINGS

Dimensions are inches and [mm] unless stated otherwise.

