



LWR-2119 shown

LWR Series

Heavy Duty, Sectional Wall Rack



Panel Space:	7, 10, 12, 16, 18, 21, 24, and 35U
Overall Depth:	19.05" [484 mm], 23.05 [585], 28.05 [712], 32.05 [814]
Overall Width:	23.06" [586 mm]
Load Capacity:	125-300 lbs. [57-136 kg] (UL Listed)

Wall rack features welded 16-gauge USA-certified steel backbox and front mounting section. Ships in two cartons so backbox can be field installed while front is loaded at the shop. Black-texture powder-coat finish.

FEATURES

BACKBOX:

- 5.80"D with keyhole mounting slots on 16" centers
- 10"x10" opening accommodates electrical pull box
- 1/4-20 ground stud
- Embossed dimples on back plane for installation of board-mounted accessories
- Top and bottom have a knockout panel with combination EKO's for conduit (1/2"-3/4" and 1"-1-1/2") and KO's for wireless antennae (1/2").
- Side locks (2) are keyed differently than optional door.

FRONT MOUNTING SECTION:

- Features welded sides, fully-gusseted corners, triple formed (side-to-bottom, side-to-top) wrap design mounts to backbox from inside with 2 heavy duty (self seating, positive locking) spring-loaded L-pins (move pins to change swing orientation). Strength equivalent to 3/16" steel. Front and side vents. Beveled front corners. Roller closure keeps front closed without mandatory locking.
- Top/bottom KO's for wireless antennae and integral rails on EIA spacing for mounting or lacing.
- **Rack Rails:** One-pair 11-gauge steel rails with smooth-black finish, 10-32 threaded holes and numbered RU increments. Recessed 0.625".

INSTALLATION: See technical drawing for minimum clearance needed to allow mounting section to swing open 90 degrees (+1" for optional door). Mounting section can swing open more than 90 degrees if room is provided.

HARDWARE: Black pilot point screws with captive washers and draw latch (one with 7-24U models or two with 32U models) are shipped with the mounting section.

COMPLIANCE: EIA/TIA Compliant; TAA Compliant; BAA Compliant; UL 2416 Listed in US and Canada (19"D and 23"D models);

OPTIONAL:

- **Surface-mount front door:** solid steel (LFD series), fully-vented steel (LFD--FV series), or smoked plexiglass (LFD--P series)
- Additional pair of mounting rails (RRD series)

19" & 23"D Models



All Models



Draw latch may be used to pull and hold mounting section and backbox together.

A&E SPECIFICATIONS

The EIA-compliant welded sectional wall rack shall be Lowell LWR-_____, which shall consist of a backbox and mounting section. Overall measurements shall be _____"H x _____"D x 23.06"W, providing _____U panel space. The mounting section shall be _____"D with triple formed side-to-bottom, side-to-top wrapped construction to achieve strength equivalent to 3/16" thick steel. It shall feature side vents, one-pair adjustable mounting rails tapped 10-32, four knockouts for antennae (top and bottom), draw latch hole, and integral rails on EIA spacing (top and bottom). The mounting section shall attach to the backbox on the inside with two heavy duty, spring-loaded L-pins (self seating, positive locking), which can be attached on either side to alter swing orientation. The backbox shall be 5.80"D with mounting holes on 16" centers, a 10"x 10" rear opening, embossed dimples and lacing points on the back plane, knockout panels with combination knockouts (1/2"-3/4", and 1"-1-1/2"), mounting holes for draw latch(es), and keyed side lock(s). The rack shall be manufactured in the USA using USA-certified steel and have a black-textured powder-coat finish. It shall be Trade Agreement Act (TAA) compliant, and Buy American Act (BAA) compliant. It shall be UL 2416 Listed if overall depth is 19" or 23"D.

OPTIONAL ACCESSORIES

- Solid steel surface-mount front door with key lock (LFD series)
- Smoked plexiglass surface-mount front door with key lock (LFD--P series)
- Fully-vented surface-mount front door with key lock (LFD--FV series)
- Additional pair of mounting rails (RRD series)
- Thermal management kit with two (2) whisper fans, vent blockers, and thermostat cord (FW2-KITT-VB)

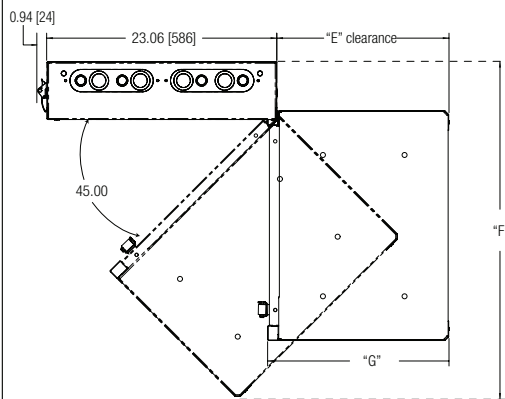
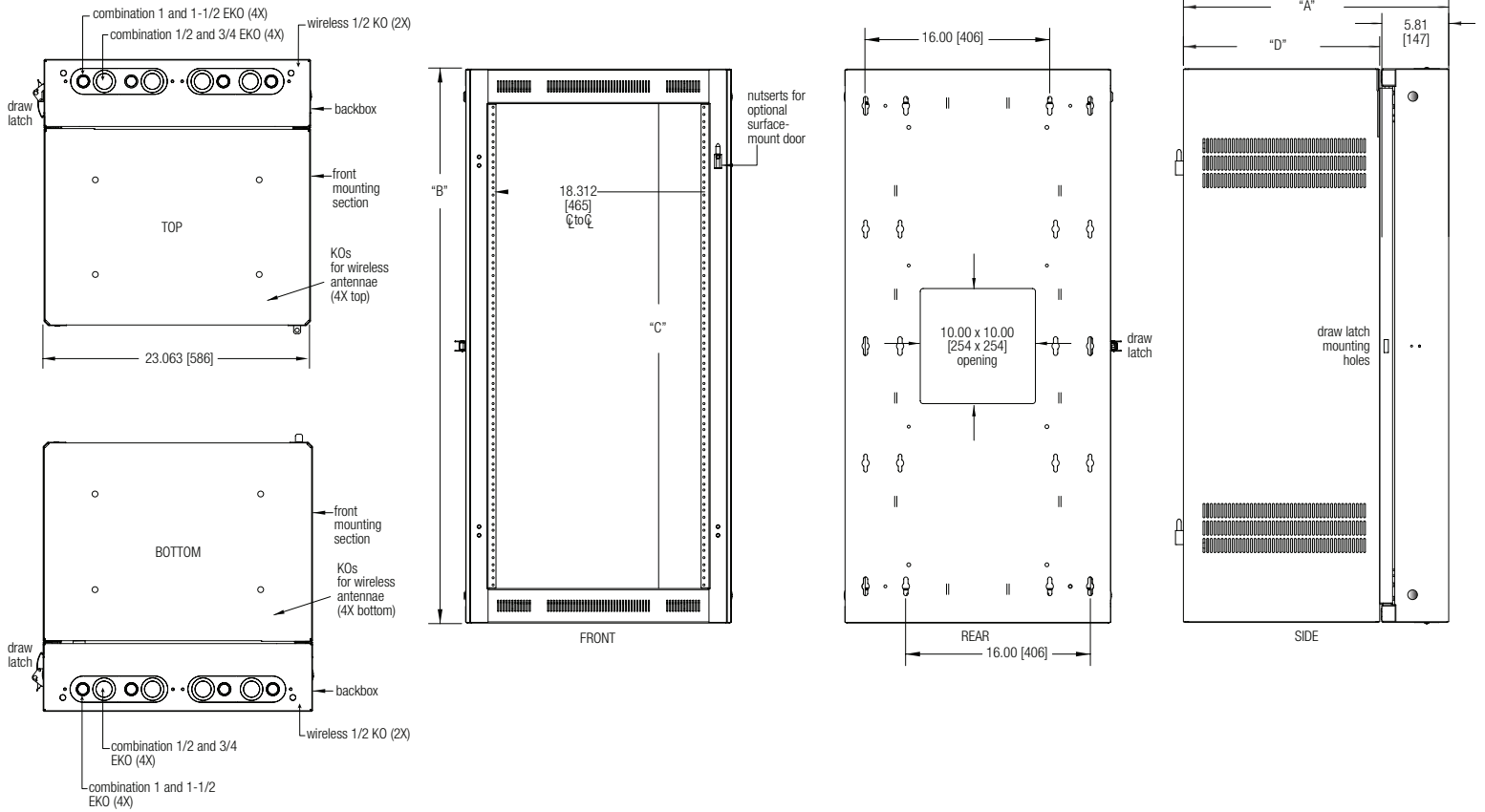
LWR SERIES SUMMARY

Model No.	Rack Units	"A" Overall Depth	Usable Depth*	"B" Overall Height	"C" Usable Height	Overall Width	"D" Mounting Section Depth	Load Capacity	Adjustable Rails	UL Listed
LWR-719	7 U	19.05 [484]	16.00 [406]	18.38 [467]	12.25 [311]	23.06 [586]	13.06 [332]	125 lbs	1 pr	Yes
LWR-1019	10 U	19.05 [484]	16.00 [406]	23.63 [600]	17.50 [445]	23.06 [586]	13.06 [332]	150 lbs	1 pr	Yes
LWR-1219	12 U	19.05 [484]	16.00 [406]	27.13 [689]	21.00 [533]	23.06 [586]	13.06 [332]	150 lbs	1 pr	Yes
LWR-1619	16 U	19.05 [484]	16.00 [406]	34.13 [867]	28.00 [711]	23.06 [586]	13.06 [332]	200 lbs	1 pr	Yes
LWR-1819	18 U	19.05 [484]	16.00 [406]	37.50 [953]	31.50 [800]	23.06 [586]	13.06 [332]	250 lbs	1 pr	Yes
LWR-2119	21 U	19.05 [484]	16.00 [406]	42.88 [1089]	36.75 [933]	23.06 [586]	13.06 [332]	250 lbs	1 pr	Yes
LWR-2419	24 U	19.05 [484]	16.00 [406]	48.13 [1223]	42.00 [1067]	23.06 [586]	13.06 [332]	300 lbs	1 pr	Yes
LWR-3519	35 U	19.05 [484]	16.00 [406]	67.38 [1711]	61.25 [1556]	23.06 [586]	13.06 [332]	300 lbs	1 pr	Yes
LWR-723	7 U	23.05 [585]	20.00 [508]	18.38 [467]	12.25 [311]	23.06 [586]	17.06 [433]	125 lbs	1 pr	Yes
LWR-1023	10 U	23.05 [585]	20.00 [508]	23.63 [600]	17.50 [445]	23.06 [586]	17.06 [433]	150 lbs	1 pr	Yes
LWR-1223	12 U	23.05 [585]	20.00 [508]	27.13 [689]	21.00 [533]	23.06 [586]	17.06 [433]	150 lbs	1 pr	Yes
LWR-1623	16 U	23.05 [585]	20.00 [508]	34.13 [867]	28.00 [711]	23.06 [586]	17.06 [433]	200 lbs	1 pr	Yes
LWR-1823	18 U	23.05 [585]	20.00 [508]	37.50 [953]	31.50 [800]	23.06 [586]	17.06 [433]	250 lbs	1 pr	Yes
LWR-2123	21 U	23.05 [585]	20.00 [508]	42.88 [1089]	36.75 [933]	23.06 [586]	17.06 [433]	250 lbs	1 pr	Yes
LWR-2423	24 U	23.05 [585]	20.00 [508]	48.13 [1223]	42.00 [1067]	23.06 [586]	17.06 [433]	300 lbs	1 pr	Yes
LWR-3523	35 U	23.05 [585]	20.00 [508]	67.38 [1711]	61.25 [1556]	23.06 [586]	17.06 [433]	300 lbs	1 pr	Yes
LWR-1228	12 U	28.05 [712]	25.00 [635]	27.13 [689]	21.00 [533]	23.06 [586]	22.06 [560]	200 lbs	1 pr	---
LWR-1628	16 U	28.05 [712]	25.00 [635]	34.13 [867]	28.00 [711]	23.06 [586]	22.06 [560]	250 lbs	1 pr	---
LWR-1828	18 U	28.05 [712]	25.00 [635]	37.50 [953]	31.50 [800]	23.06 [586]	22.06 [560]	250 lbs	1 pr	---
LWR-2428	24 U	28.05 [712]	25.00 [635]	48.13 [1223]	42.00 [1067]	23.06 [586]	22.06 [560]	300 lbs	1 pr	---
LWR-1232	12 U	32.05 [814]	29.00 [737]	27.13 [689]	21.00 [533]	23.06 [586]	26.60 [662]	200 lbs	1 pr	---
LWR-1632	16 U	32.05 [814]	29.00 [737]	34.13 [867]	28.00 [711]	23.06 [586]	26.60 [662]	250 lbs	1 pr	---
LWR-1832	18 U	32.05 [814]	29.00 [737]	37.50 [953]	31.50 [800]	23.06 [586]	26.60 [662]	250 lbs	1 pr	---
LWR-2432	24 U	32.05 [814]	29.00 [737]	48.13 [1223]	42.00 [1067]	23.06 [586]	26.60 [662]	300 lbs	1 pr	---

*Usable Depth allows partial extension of equipment into backbox. Rack dimensions (rounded) – inches and [mm]; 1U = 1.75"

TECHNICAL DRAWINGS

Dimensions are inches and [mm] unless stated otherwise.



- Allow additional 1" for optional door depth
- Allow sufficient clearance to access side locks (5")

CORNER INSTALL DETAIL (19"D rack)

- "E" minimum clearance to open 90 degrees = 13.26" [337]
- "F" minimum clearance to open 45 degrees = 31.03" [788]
- "G" overall mounting section depth = 14.18" [360]

CORNER INSTALL DETAIL (23"D rack)

- "E" minimum clearance to open 90 degrees = 17.26" [438]
- "F" minimum clearance to open 45 degrees = 33.87" [860]
- "G" overall mounting section depth = 18.18" [462]

CORNER INSTALL DETAIL (28"D rack)

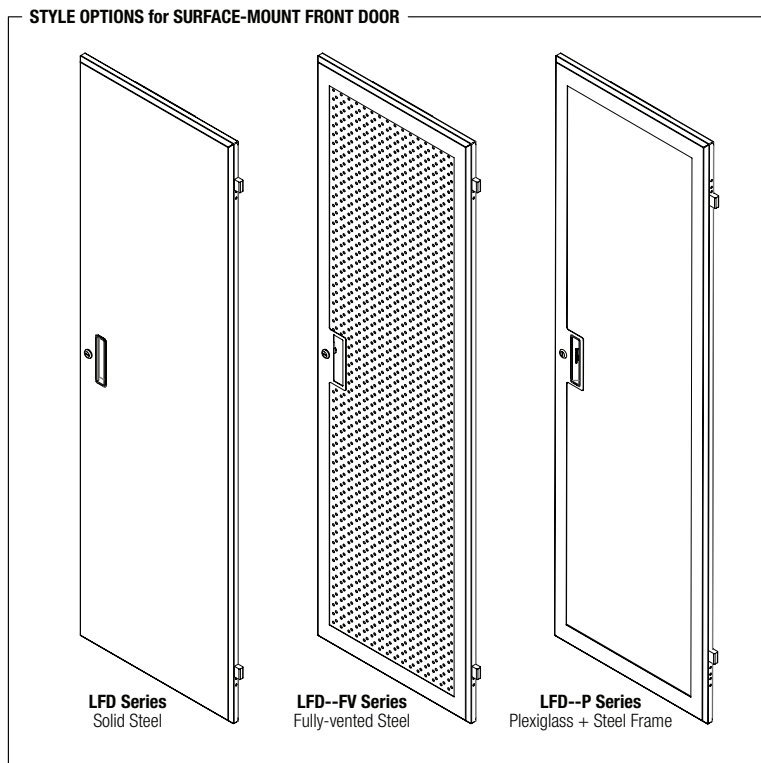
- "E" minimum clearance to open 90 degrees = 22.26" [565]
- "F" minimum clearance to open 45 degrees = 37.87" [860]
- "G" overall mounting section depth = 23.18" [589]

CORNER INSTALL DETAIL (32"D rack)

- "E" minimum clearance to open 90 degrees = 26.26" [667]
- "F" minimum clearance to open 45 degrees = 40.20" [1021]
- "G" overall mounting section depth = 27.18" [690]

SERIES SPECIFIC ACCESSORIES — SURFACE-MOUNT FRONT DOORS

Dimensions are inches and [mm] unless stated otherwise.



LFD Series Summary

Model No.	"A" = RU
► LFD-7	7 U
► LFD-10	10 U
► LFD-12	12 U
LFD-14	14 U
► LFD-16	16 U
► LFD-18	18 U
► LFD-21	21 U
► LFD-24	24 U
► LFD-35	35 U
LFD-40	40 U
LFD-44	44 U
LFD-54	54 U

LFD--FV Series Summary

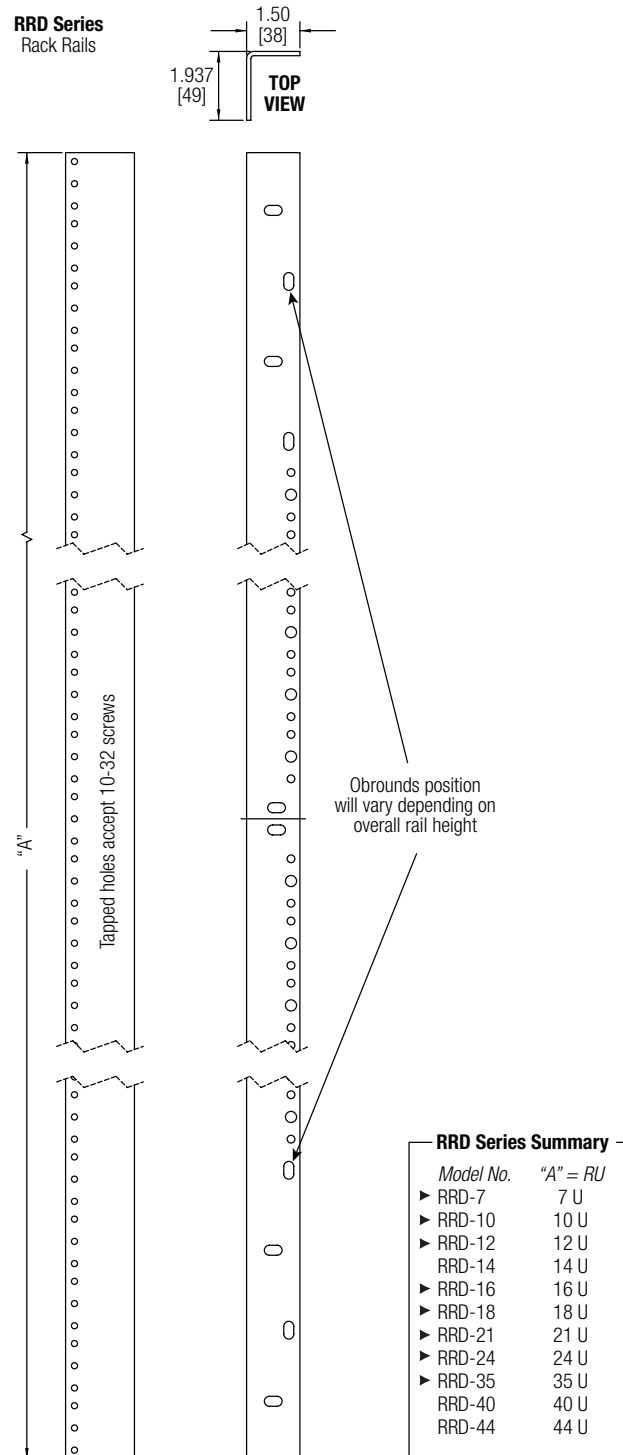
Model No.	"A" = RU
► LFD-7FV	7 U
► LFD-10FV	10 U
► LFD-12FV	12 U
LFD-14FV	14 U
► LFD-16FV	16 U
► LFD-18FV	18 U
► LFD-21FV	21 U
► LFD-24FV	24 U
► LFD-35FV	35 U
LFD-40FV	40 U
LFD-44FV	44 U

LFD--P Series Summary

Model No.	"A" = RU
► LFD-7P	7 U
► LFD-10P	10 U
► LFD-12P	12 U
LFD-14P	14 U
► LFD-16P	16 U
► LFD-18P	18 U
► LFD-21P	21 U
► LFD-24P	24 U
► LFD-35P	35 U
LFD-40P	40 U
LFD-44P	44 U

► = accessory fits LWR Series models

SERIES SPECIFIC ACCESSORIES — ADDITIONAL RACK RAILS



▶ = accessory fits LWR Series models

