FS-Mandy220DM



Dual & single platform server lifter

The FS-Mandy220DM series with two platform configurations — lift, install and position servers, GPUs, racks & battery packs precisely in cleanroom environments, operated by just one person.

DDA dual platform RCA single platform Cleanroom ESD protection

Series **FS-Mandy220DM-DDA-CCD / -RCA-CCD**

2440 mm · Max. stroke · 125 mm/s · Protection rating

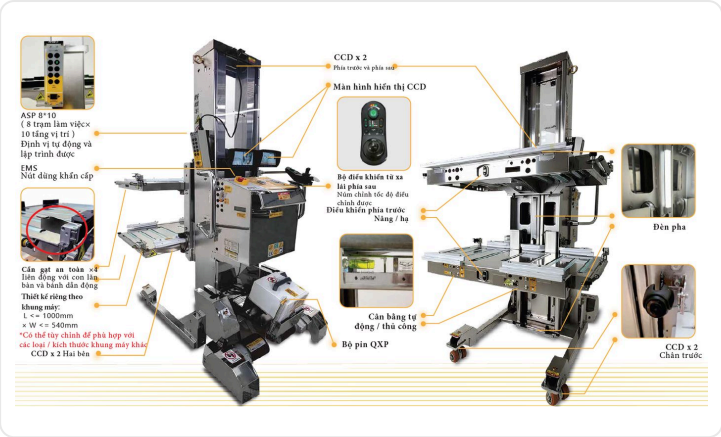
Design & key features

QXP **Quick-swap battery pack** — Taiwan: Lithium DC24V20AH × 2 (8 kg each); International: VRLA DC24V22AH × 2 (15 kg each), fast replacement without interrupting operation.

ASP **Advanced sensor positioning** — choose one of two: 15 stations × 8 levels or 8 stations × 10 levels, with programmable, lockable position memory.

DRIVE **Electric self-propelled drive** — forward 0–3 km/h, reverse 0–1.5 km/h; soft start/stop, STA safe turning assist.

ESD **Cleanroom & anti-static** — meets cleanroom requirements; easy-push, wear-resistant, non-shedding materials.



FS-Mandy220DM – Product Image

Two platform versions

FS-Mandy220DM-DDA-CCD · Dual platform

- Lower platform (Rb): 240 – 1900 mm
- Upper platform (Rt): 780 – 2440 mm
- Ideal for 48U racks
- Lower platform fits chassis H ≤ 420 mm / 9U
- Net weight 373 kg / 600 lbs

FS-Mandy220DM-RCA-CCD · Single platform

- Lifting stroke: 240 – 1900 mm
- Customizable to rack requirements
- Compact configuration, one working platform
- Net weight 230 kg / 506 lbs

Dimensions

Main dimensions (unit: mm) — refer to the FULLSHARP technical drawing.

Overall dimensions (L × W × H)	1345 × 1050 × 2208
Mast height (H)	2208
DDA lifting stroke — lower platform (Rb)	240 – 1900
DDA lifting stroke — upper platform (Rt)	780 – 2440
RCA lifting stroke (R)	240 – 1900

Specifications

Specification	FS-Mandy220DM-DDA-CCD Dual platform · 114111601A	FS-Mandy220DM-RCA-CCD Single platform · 114082701A
Overall dimensions	L1345 × W1050 × H2208 mm	

Specification	FS-Mandy220DM-DDA-CCD Dual platform · 114111601A	FS-Mandy220DM-RCA-CCD Single platform · 114082701A
Lifting stroke (R) mm	Lower platform (Rb): **240 – 1900 mm** Upper platform (Rt): **780 – 2440 mm** * Ideal for 48U racks. Lower platform fits chassis H ≤ 420 mm / 9U	240 – 1900 mm * Customizable to different rack requirements
Mast height (H) mm	2208 mm	
Lifting capacity	200 kg * Total weight on lower + upper platforms	200 kg
Net weight	373 kg / 600 lbs	230 kg / 506 lbs
Lifting speed	125 mm/s, soft start & stop	
IP rating	IP41	
Battery	QXP quick-swap battery pack: Taiwan — Lithium battery DC24V20AH × 2 (8 kg each) International — VRLA battery DC24V22AH × 2 (15 kg each) * The Lithium battery version is distributed in the Taiwan market only	
Charging voltage	110 – 240V AC, 50/60 Hz	
Material	SUS304 stainless steel	
Control panel	Push-button control panel — bilingual Traditional Chinese / English with icons: Power switch Battery level indicator / status LED Manual up/down confirmation button ASP advanced sensor positioning system — lift lock / automatic sensing count of positioning points (choose one of two): 15 stations × 8 levels or 8 stations × 10 levels EMS emergency stop button	
Travel speed	Forward 0 – 3 km/h · Reverse 0 – 1.5 km/h * Soft start/stop · STA – safe turning assist	
Cleanroom technology	Meets cleanroom requirements Durable, easy-push, wear-resistant, non-shedding materials Electrostatic discharge (ESD) protection	

Applications

Servers Racks GPUs Chassis Battery packs Test equipment

Model: FS-Mandy220DM-DDA-CCD (dual platform · 114111601A) / FS-Mandy220DM-RCA-CCD (single platform · 114082701A). Specifications are subject to change without notice. The Lithium battery configuration is distributed in the Taiwan market only.

Contact us for consultation and a quotation

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Specifications may vary with the ordered configuration. Please contact FullSharp for exact details.