FS-WilsonX190D / X220D



Lifting equipment for server / rack FS-WilsonX-RCS

The FS-WilsonX-RCS series comes in two height versions — lift, install and precisely position servers, GPUs, racks & battery packs in cleanroom environments; electric self-propelled, safe one-person operation.

FS-WilsonX190D · 1500 mm FS-WilsonX220D · 1800 mm Cleanroom ESD protection

Series **FS-WilsonX190D-RCS / FS-WilsonX220D-RCS**

1800 mm · Max. stroke · 125 mm/s · Protection rating

Design & highlights

QXP **Quick-release battery pack** — QXP Lithium battery DC24V20AH × 2, fast swap with no interruption to operation.

DRIVE **Electric self-propelled** — forward 0–3 km/h, reverse 0–1.5 km/h; soft start/stop, slows down when cornering, no tail swing.

SAFE **Safety design** — FCW automatic forward barrier, ERB anti-pinch when reversing, STA cornering deceleration, anti-pinch wheel covers, MP3 warning sound, (optional) warning light.

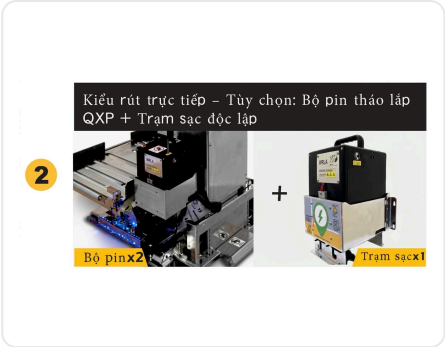
ESD **Cleanroom & ESD protection** — Class 1000 compliant; special-material wheels that push easily, resist wear and generate no dust.



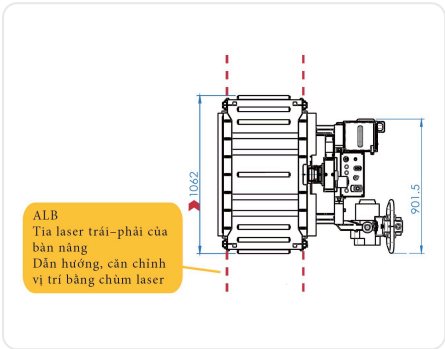
FS-WilsonX-RCS – Product Image 1



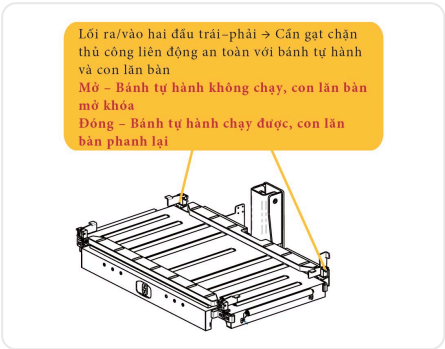
FS-WilsonX-RCS – ASP Control Box



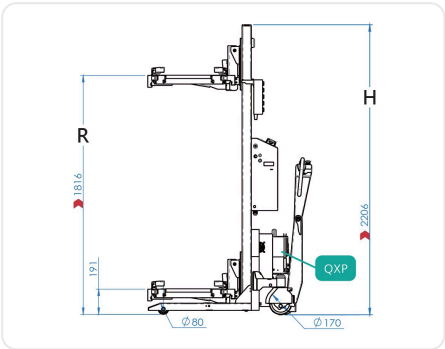
FS-WilsonX-RCS – QXP Battery Pack



FS-WilsonX-RCS – Product Image 4



FS-WilsonX-RCS – Product Image 5



FS-WilsonX-RCS – Product Image 6

Two Height Versions

FS-WilsonX220D-RCS · 2200 mm

- Lifting stroke (R): 200 – 1800 mm
- Main column height (H): 2200 mm (linear guide version)
- Suited to tall racks and a larger working reach
- Lifting capacity 120 kg

FS-WilsonX190D-RCS · 1900 mm

- Lifting stroke (R): 200 – 1500 mm
- Main column height (H): 1900 mm (linear guide version)
- Compact configuration with a lower overall height
- Lifting capacity 120 kg

Dimensions

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

FS-WilsonX190D — Lifting stroke (R)	200 – 1500
FS-WilsonX190D — Main column height (H)	1900 (linear guide version)
FS-WilsonX220D — Lifting stroke (R)	200 – 1800
FS-WilsonX220D — Main column height (H)	2200 (linear guide version)

Technical Specifications

Specification	FS-WilsonX190D-RCS 1900 mm version	FS-WilsonX220D-RCS 2200 mm version
Lifting stroke (R) mm	200 – 1500 mm	200 – 1800 mm
Main column height (H) mm	1900 mm * Linear guide version (線軌版)	2200 mm * Linear guide version (線軌版)
Lifting capacity	120 kg	
Lifting speed	125 mm/s · soft start & stop	
IP rating	IP41	
Battery	QXP quick-release battery pack — Lithium battery DC24V20AH × 2 * Lithium battery version supplied for the Taiwan market	
Charging voltage	100 – 220V AC, 50/60 Hz	
Material	SUS304 stainless steel + aluminum	
Travel speed	Forward 0 – 3 km/h · Reverse 0 – 1.5 km/h * Soft start/stop · slows down when cornering, no tail swing	
Cleanroom technology	Meets Class 1000 cleanroom requirements Electrostatic discharge (ESD) protection Special-material wheels — easy to push, wear-resistant, dust-free	
Safety design	FCW — automatic forward barrier/warning ERB — deceleration & anti-pinch switch when reversing STA — deceleration when cornering (safe turn assist) Anti-pinch wheel covers MP3 operation warning sound (Optional) Operation warning light	

Applications

Server Rack GPU Chassis Battery packs Test equipment

Product codes: FS-WilsonX190D-RCS (1900 mm version) / FS-WilsonX220D-RCS (2200 mm version). Specifications are subject to change without notice. The Lithium battery configuration is supplied for the Taiwan market.

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