

X-Series Robots

X1200Z

Product Dimensions

Body Size:1000×972×125mm

Weight: 270 kg

Maximum Lifting Height: 35 mm

Pallet Compatibility:1200×1000×1100mm

Battery & Power

Battery Type:

Room Temperature: 48V 40Ah (CE/UL: 48V 36Ah)

Cold Storage: 48V 30Ah (CE/UL version battery TBD)

Run Time:

Room Temperature: 1.2h charge for 8~10h use

Cold Storage: 2h charge for 6~8h use

Cycle Life:≥2000 full charge/discharge cycles



Core Features & Performance		Safety & Environmental Adaptability	
Navigation System	Motor-driven	Obstacle Detection	Laser obstacle avoidance and cargo detection
Payload Capacity	1200 kg	Detection Distance	2.5 m
Lift Time	2.5 s	Floor Requirements:	Flatness: 2m distance: ≤5mm height difference 1m distance: ≤8mm absolute height difference Entire warehouse: ≤20mm height difference Ditch Width: <15mm
Position Accuracy	Stop Accuracy : ±2 mm	Operating Conditions	Temperature: Room Temperature: -10~45°C Cold Storage: 0~-25°C Humidity: Room Temperature: ≥5°C: 10%~95% (non-condensing); <5°C: 10%~40% (non-condensing) Cold Storage: <90% (non-condensing)
BaseTravel Speed	No-load 1.6m/s, full-load 1.5m/s		