




Product Name	Wali Stacker Crane Mobile Robot		
Model	C1200S	C1200L	C3000
Image			
Mast Configuration	Single Mast	Dual Masts	Dual Masts
Rated Payload (kg)	1200 (Single/Double Deep Shelf)	1200 (Single/Double Deep Shelf)	3000 (Single Deep Shelf)
Lifting Positioning Methods	Laser Ranging + Encoder	Laser Ranging + Encoder	Laser Ranging + Encoder
Obstacle Avoidance Methods	LiDAR/RGB-D Camera	LiDAR/RGB-D Camera	LiDAR/RGB-D Camera
Travel Positioning Accuracy (mm)	±3	±3	±3
Maximum Travel Speed (No-Load) (m/min)	180(12m Mast) 160(24m Mast)	180(12m Mast) 160(24m Mast)	160
Travel Acceleration (m/s ²)	0.5	0.5	0.5
Lift Positioning Accuracy (mm)	±3	±3	±3
Lifting Height (m)	24	24	24
Maximum Lifting Speed (No-Load) (m/min)	50	50	40
Lifting Acceleration (m/s ²)	0.5	0.5	0.5
Aisle Width (Straight-Ahead) (mm)	1700	1700	2100
Pick/Extend Speed (No-Load) (m/min)	40	40	40
Power Supply Method	Trolley Conductor (5P)	Trolley Conductor (5P)	Trolley Conductor (5P)
Communication Methods	Wi-Fi (Optional)/4G (Optional)	Wi-Fi (Optional)/4G (Optional)	Wi-Fi (Optional)/4G (Optional)
Bus Protocol	Profinet	Profinet	Profinet
Driving Method	Inverter Motor	Inverter Motor	Inverter Motor