

MR-F4-1000-C(HI)

Forklift Mobile Robot



Key Feature

- Adopts narrow robot body design, transports in forklift mode, and supports mast customization and fork size customization.
- Adopts SLAM navigation to achieve accurate positioning.
- Supports smooth and omnidirectional motions with max. running speed of 1.2 m/s.
- Adopts smart/independent power management, and supports auto-charge and self-returning after charging completed, and environmental friendly.
- Supports multiple safety protections, such as laser/infrared obstacle avoidance, load detection, emergency stop button, and audible alarm.
- Supports lifting, carrying, rotating and lowering goods up to 1000 kg (2204.62 lb.) via standard pallets.
- Supports indicating device status via LCD screen and status indicator.
- Supports Wi-Fi communication and seamless roaming and operation smoothly in a network-covered area.

Typical Application

E-commerce, electronics manufacturing, automobile, consumer electronics, mechanical manufacturing, texture, tobacco, medicine, etc.

Available Model

MR-F4-1000-C(HI)

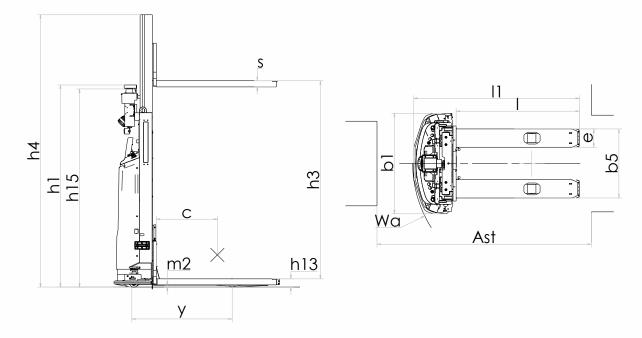
Accessory

Charging station: CH-48/60(CE)



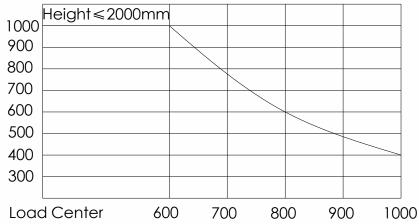


Dimension

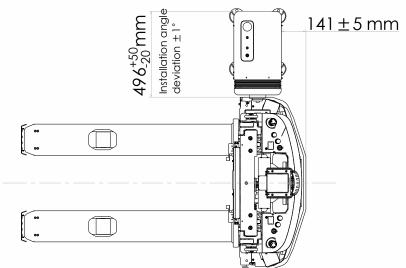


Loading Curve





Charging Station Deployment



Specification

Dimension	Model	MR-F4-1000-C(HI)
Dimension		
Weight (with Battery)		1640 mm × 990 mm × 1990 mm (64.57" × 38.98" × 78.35")
Rated Load	Weight (with Battery)	715 kg (1576.30 lb.)
Load Center Distance		
Wheelbase		
Lifting Height 2031 mm ± 3 mm (79.96" ± 0.11") Max. Gantry Height 2682 mm (105.59") Fork above Ground after Lowering 81 mm ± 3 mm (31.9" ± 0.11") Fork Distance 680 mm (26.77") Min. Ground Clearance 16 mm (0.63") Applicable Pallet Dimension 1200 mm × 1000 mm (47.24" × 39.37") Laser Scan Height 1950 mm (76.77") Min. Rotation Radius 1178 mm (46.38") Right Angled Passage Width 2052 mm (80.79") Motion Performance 1.01.2 m/s Running Speed (Full Load/Empty) 1.01.2 m/s Positioning Accuracy ± 10 mm (0.39") Positioning Angle Accuracy ± 10 mm (0.39") Max. Gradeability (Full Load/Empty) 130/103 mm/s Lifting Fork Speed (Full Load/Empty) 130/100 mm/s Lowering Fork Speed (Full Load/Empty) 130/100 mm/s Motion Method Steering wheel driving, supports forward, backward, arc motion and rotating in place Rated Voltage 4 8 V Capacity 70 Ah Charge Cycle 1500 times (for fully charging and discharging) Charge Time ≤ 2 h (for fully charging and discharging)		· ·
Max. Gantry Height 2682 mm (105.59") Fork above Ground after Lowering 81 mm ± 3 mm (3.19" ± 0.11") Fork Height Width/Length 60 mm/180 mm/1220 mm (2.36"/7.09"/48.03") Fork Distance 680 mm (26.77") Min. Ground Clearance 16 mm (0.63") Applicable Pallet Dimension 1200 mm × 1000 mm (47.24" × 39.37") Laser Scan Height 1950 mm (76.77") Min. Rotation Radius 1178 mm (46.38") Right Angled Passage Width 2052 mm (80.79") Motion Performance 2052 mm (80.79") Running Speed (Full Load/Empty) 1.071.2 m/s Positioning Accuracy ± 10 mm (0.39") Positioning Angle Accuracy ± 10 mm (0.39") Positioning Angle Accuracy ± 10 mm (0.39") Repeated Positioning Accuracy ± 10 mm (0.39") Iditing Fork Speed (Full Load/Empty) 33%% Lifting Fork Speed (Full Load/Empty) 100/135 mm/s Lowering Fork Speed (Full Load/Empty) 130/100 mm/s Motion Method Stering wheel driving, supports forward, backward, arc motion and rotating in place Battery Performance Rated Voltage 48 V <		· /
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Navigation ModeLaser SLAM (reflector panel)Manual OperationManual controller (optional), HikRobot mobile terminal application	Drive Method	Front wheel driving and steering by motor
Manual Operation Manual controller (optional), HikRobot mobile terminal application	Screen	Supports
	Navigation Mode	
	Manual Operation	Manual controller (optional), HikRobot mobile terminal application
Noise $\leq 75 \text{ dB}$	Noise	≤75 dB



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