








### Forklift Mobile Robot (FMR)

Available Optional —NA								
Model		F1-1000U	F1-200T	F4-1000C	F4-1000A	F3-3000A	F4-2000A	F6-1500A
General	Dimension L*W*H (mm)	1600*990*1870	1095*745*1240	1640*990*1990	1775*940*2130	2072*970*2045	2200*1106*2200	2827*1268*2233
	Weight (kg)	800	220	700	750	840	1410	2500
	Rated load (kg)	600	200	1000	1400	3000	2000	1500
	Load center (mm)	600	—	600	600	600	600	500
	Fork lifting height (mm)	2000	250	1300(customize to 3000mm)	3000	120	2500	3000
	Height of mast, extended (mm)	2665	—	—	3435	—	3580	3908
	Fork dimension s*e*l (mm)	55*206*1150	—	55*160*1200	60*180*1150	55*180*1150	55*180*1150	55*120*1150
	Fork spread (mm)	540/Customizable	270	680/Customizable	600/Customizable	620/Customizable	620/Customizable	600/Customizable
	Pallet size (mm)	1200*800	—	1200*1000	1200*1000	1200*1000	1200*1000	1200*1000
	Navigate	Laser SLAM	Laser SLAM	Laser SLAM	Laser SLAM	Laser SLAM	Laser SLAM	Laser SLAM
Screen (in)	11	4.3	11	11	11	11	11	
Motion performance	Laser obstacle avoidance	Available	Available	Available	Available	Available	Available	Available
	Automobile data recorder	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Bumper strip	Available	Available	Available	Available	Available	Available	Available
	Pallet in-position detection	Available	Available	Available	Available	Available	Available	Available
	Fork infrared sensor	Available	—	Available	Available	Available	Available	Available
Battery Performance	Scram button	Available	Available	Available	Available	Available	Available	Available
	Caution light	Available	Available	Available	Available	Available	Available	Available
Safety Protection	Sound-light alarm	Available	Available	Available	Available	Available	Available	Available
	Rated speed (mm/s)	1200	1200	1200	1200	1500	1500	1200
	Position accuracy(mm)	±5	±5	±10	±10	±10	±10	±10
	Angular accuracy (°)	±1	±1	±1	±1	±1	±1	±1
	Driving mode	Omni-directional, forward, backward, sidesway, skew, rotation, arc.	Omni-directional, forward, backward, sidesway, skew, rotation, arc.	Steering wheel driving, forward, backward, rotation, arc.	Steering wheel driving, forward, backward, rotation, arc.	Steering wheel driving, forward, backward, rotation, arc.	Steering wheel driving, forward, backward, rotation, arc.	Steering wheel driving, forward, backward, rotation, arc.
	Min. aisle width (1200*1000 mm pallet) (mm)	1800	—	2100	2200	2550	2750	3400
	Endurance (h)	6-8	8	6-8	6-8	8-10	6-8	6-8
	Charging time (h)	≤1.5 (after deep discharge)	≤2 (after deep discharge)	≤2 (after deep discharge)	≤3 (after deep discharge)	≤3 (after deep discharge)	≤3 (after deep discharge)	≤3 (after deep discharge)
Others	Pallet recognition	Optional	—	Optional	Optional	Optional	Optional	Optional
	Visual code reading	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Controllable fork	—	—	—	—	—	—	Optional
	RFID reader	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Fork customization	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Mast customization	Optional	Optional	Optional	Optional	—	Optional	Optional