






# Specification

## Forklift Mobile Robot

							
		F1-300T	F1-500T	F1-1000U		F3-1500	F3-3000
● Available ○ Optional -Unavailable							
General	Dimension L*W*H (mm)	1093*745*1940	1567*800*1940	1640*990*1990		1632*870*1990	1716*950*1985
	Weight (kg)	280	300	700	800	500	750
	Rated load (kg)	300	500	600		1500	3000
	Load center (mm)	382	587	600		600	600
	Fork lifting height (mm)	340	400	1344	2044	200	200
	Fork-ground distance after descending (mm)	100	130	94		75	75
	Fork dimension (s/e/l)(mm)	47*270*744	74*420*1162	60*206*1220		70*175*1232	70*190*1232
	Fork spread (mm)	270	420	551 / Customizable		680 / Customizable	680 / Customizable
Pallet size (mm)	780*590	1000*800	1200*1000		1200*1000	1200*1000	
Motion performance	Rated speed(rated/empty load) (mm/s)	1000	1000	1200		1500	1600
	*Position accuracy (mm) [°]	±10/±1	±10/±1	±10/±1		±10/±1	±10/±1
	Min. turning radius (Wa)(mm)	585	830	894		1244 (After lifting)	1380 (After lifting)
	Driving mode	Omni-directional, forward, backward, sideways, skew, rotation, arc		Omni-directional, forward, backward, sideways, skew, rotation, arc		Steering wheel driving, forward, backward, rotation, arc	
	Min. operation aisle (1200*1000 pallet) (mm)	1370	1860	1988		2062	2165
Battery performance	*Run time (h)	6~8	6~8	6~8		6~8	6~8
	Charging time (h)	≤ 1.5	≤ 1.5	≤ 2		≤ 2	≤ 2
Safety protection	Laser obstacle avoidance	●	●	●		●	●
	Driving recorder	○	○	○		○	○
	Bumper strip	●	●	●		●	●
	Pallet in-position detection	●	●	●		●	●
	Fork infrared sensor	●	●	●		●	●
	Scram button	●	●	●		●	●
	Indication light	○	○	●		●	●
Others/ Customization	Sound alarm	●	●	●		●	●
	Display screen (inch)	4.3	4.3	11		11	11
	Navigation mode	L-SLAM/ 3D SLAM (Customizable)	L-SLAM/ 3D SLAM (Customizable)	L-SLAM/ 3D SLAM (Customizable)		L-SLAM/ 3D SLAM (Customizable)	L-SLAM/ 3D SLAM (Customizable)
	Fork size customization	Customizable	Customizable	Customizable		Customizable	Customizable
	Pallet attitude recognition	Customizable	Customizable	Customizable		Customizable	Customizable
Pallet binding recognition	Customizable	Customizable	Customizable		Customizable	Customizable	

\*The positioning accuracy test under ideal conditions, the actual result is affected by the site environment, rack carrier size, docking matching conditions and other factor.

\*Run time tested under rated condition.