



ADVANCED  
MECHATRONICS  
SOLUTIONS, INC



# Autonomous FORKLIFTS

COST-EFFECTIVE  
INDUSTRIAL TECHNOLOGY



Excellent flexibility and accuracy. Reduce labor and increase efficiency with AMS Autonomous Forklifts. Capable of completing complex task.



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**GET IN TOUCH!**



# Specifications

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Item	Abstract	Mark	Unit	Content
Rated load volume		Q	kg	800
Load center distance		c	mm	600
Motor type	DC/AC Open/enclosed			AC/enclosed
Standard lifting height		h3	mm	2000
Standard fork size	Thick/Width/Length	s/e/l	mm	35/100/950
Fork adjustment distance	Max/Min	B3/B4	mm	754/215
Overall length	Fork include	L1		2109
Vehicle length	Without fork	L2		1140
Overall width		B	mm	1014
Fork rack retracted height		h1	mm	1800
Fork rack stretched height		h4	mm	3350
Min turning radius		R	mm	1110
Min right angle aisle width			mm	1420
Min stacking aisle width	1000×1000 pallet	Ast	mm	2340
Moving speed	Forward (full load/empty load)		km/h	5/5
	Backward (full load/empty load)		km/h	5/5
Lift speed, laden/unladen	Full load/empty load		mm/s	130/200
Lowering speed, laden/unladen	Full load/empty load		mm/s	160/140
Whole vehicle weight	Battery included		kg	1965
Ground clearance	Min low	m1	mm	55
	Wheelbase center	m2	mm	55
Vehicle brake mode	Mechanical/hydraulic/electric air brake			Electromagnetic
Battery	Form			Welded
	Voltage/volume		V/Ah	24/200
	Weight		kg	210

# Features

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SAFETY SENSORS



NAVIGATION LASER SCANNER

MAIN CONTROL BOX & PANEL

#### REFITTED PARTS:

1. Added navigation system and component parts
2. Added control system and component parts
3. Added safety sensors
4. Other mechanical parts

*\*Pictures are for reference only. Actual pattern of vehicle subject to final signed drawing*



# Parameters

<b>Control Mode</b>	Sweden controller	<b>Working Time</b>	24 Hours
<b>Moving Direction</b>	Forward, backward, left, right, forkway picking, rotate	<b>Gradeability</b>	$\leq 3^\circ$
<b>Communication Mode</b>	Wireless communication (optional)	<b>Stop Accuracy</b>	$\pm 5\text{mm}$
<b>Drive Mode</b>	Steering Wheel	<b>Charging Mode</b>	Offline Charging
<b>Drive Voltage</b>	DC48V	<b>Safety Sensor Range</b>	$\leq 3\text{m}$ , adjustable, emergency stop distance $< 300\text{mm}$
<b>Load Capacity</b>	800kg	<b>Alarm Mode</b>	Sound and light alarm
<b>Moving Speed</b>	0-90m/min (adjustable)	<b>Battery</b>	Consecutive battery discharge times $> 3000$
<b>Turning Radius</b>	1110mm	<b>Safety Protection</b>	Obstacle sensor + mechanical anti-collision + emergency stop button triple protection
<b>Navigation Accuracy</b>	$\pm 5\text{mm}$	<b>Lifespan</b>	$> 10$ years

