

All Products are **Certified** & Hold U.S. Patented

MS ROBOTICS



Zero- Emission Fully Electric Lifting Equipment



ELECTRIC FORK LIFT

● Level Control

With automatic height adjustment using a photoelectric sensor, the working height is kept consistent to eliminate the need for bending over. The system can be manually operated when raising the forks to remove items from the pallet or lowering them to place items. The height can be adjusted according to the working position and the operator's height.

PERFORMANCE

- Reverse drive function in case of emergency
- Buzzer alarm activates when raised over 11.8 in
- Travel speed: 2.36 mph (unloaded) / 2 mph (loaded)
- Lifting speed: 0.29 mph m/s (unloaded) / 0.18 mph (loaded)
- Maximum workable slope: 5% (unloaded) / 1% (loaded)
- Temporary workable slope: 10% (unloaded) / 3% (loaded)
- Forklift weight: approx. 981 lb (including battery)

MACHINE SPECIFICATIONS

Q	Load Capacity	lb	2646
a	Wheelbase	in	42.9
b1	Wheel Track	in	42.1 ~54
b2	Fork Outside Width	in	22
c	Load Center	in	20
d	Fork Width	in	5.9
e	Drive Unit Length	in	20
g	Safety Clearance	in	7.8
h1	Overall Height	in	77.6
h2	Max. Lifting Height	in	59
h3	Min. Fork Height	in	3.5
h4	Fork Thickness	in	2.4
L1	Overall Length	in	59
L2	Fork Length	in	37.4
R	Turning Radius	in	55.1

BATTERY

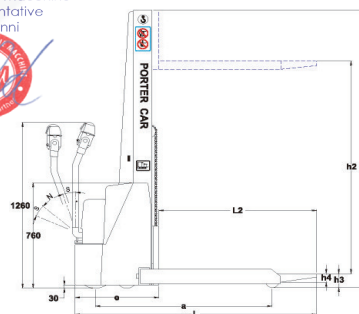
BATTERY	12x2	24V / 75A
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BUILT-IN CHARGER

Voltage	Pressure	Output(DC)
	110 ~ 220V	
	(Free Voltage)	Max 30.6 VDC
Max Current	8A ~ 115V	Max 15 ADC
	4A ~ 115V	
Frequency	50 / 60Hz	-
Phase	Single Phase	-
Fuse	T250V / 15A	-

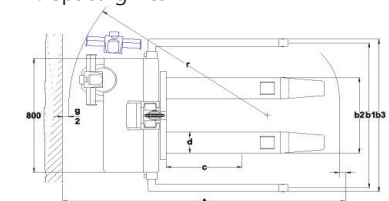
WORKING AISLE WIDTH(IN)

Pallet Size	Orientation	A (Incl. 7.87in Safety Zone)
32 x 48	Narrow Side Insertion	86
48 x 40	Wide Side Insertion	92



MVS-12

S : Non-operating Area
(Safety Zone)
N : Operating Area



WORK ASSISTANCE EQUIPMENT SERIES

ELECTRIC FORK LIFT (FORK-OVER)

MVA-12

ELECTRIC FORK LIFT

● This electric forklift is designed not only to surpass traditional manual stacking and transport methods but also to serve as a dependable companion for the operator with its sleek and modern appearance. Its ergonomic structure ensures maximum comfort during repetitive tasks, featuring smooth acceleration, lifting, lowering, and horn control—all easily accessible with one hand. It eliminates the need for repetitive, waist-intensive movements, significantly reducing operator fatigue.

PERFORMANCE

- Reverse drive function in case of emergency
- Buzzer alarm activates when raised over 11.8 in
- Travel speed: 2.5 mph (unloaded) / 2 mph (loaded)
- Lifting speed: 0.29 mph (unloaded) / 0.18 mph (loaded)
- Maximum workable slope: 5% (unloaded) / 1% (loaded)
- Temporary workable slope: 10% (unloaded) / 3% (loaded)
- Forklift weight: approx. 1,113 lb (including battery)

MACHINE SPECIFICATIONS

Q	Load Capacity	lb	2646
a	Wheelbase	in	42.9
b1	Wheel Track	in	16
b2	Fork Outside Width	in	22
c	Load Center	in	20
d	Fork Width	in	5.9
e	Drive Unit Length	in	20
g	Safety Clearance	in	7.8
h1	Overall Height	in	77.6
h2	Max. Lifting Height	in	59
h3	Min. Fork Height	in	3.5
h4	Fork Thickness	in	2.4
L1	Overall Length	in	59
L2	Fork Length	in	37.4
R	Turning Radius	in	51

BATTERY

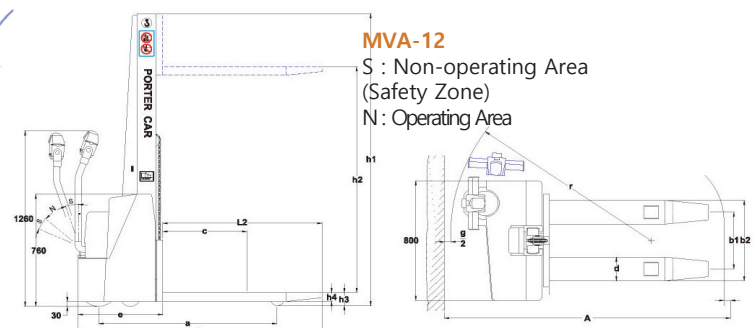
BATTERY	12x2	24V / 75A
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BUILT-IN CHARGER

Voltage	Pressure	Output(DC)
	110 ~ 220V	
	(Free Voltage)	Max 30.6 VDC
Max Current	8A ~ 115V	Max 15 ADC
	4A ~ 115V	
Frequency	50 / 60Hz	-
Phase	Single Phase	-
Fuse	T250V / 15A	-

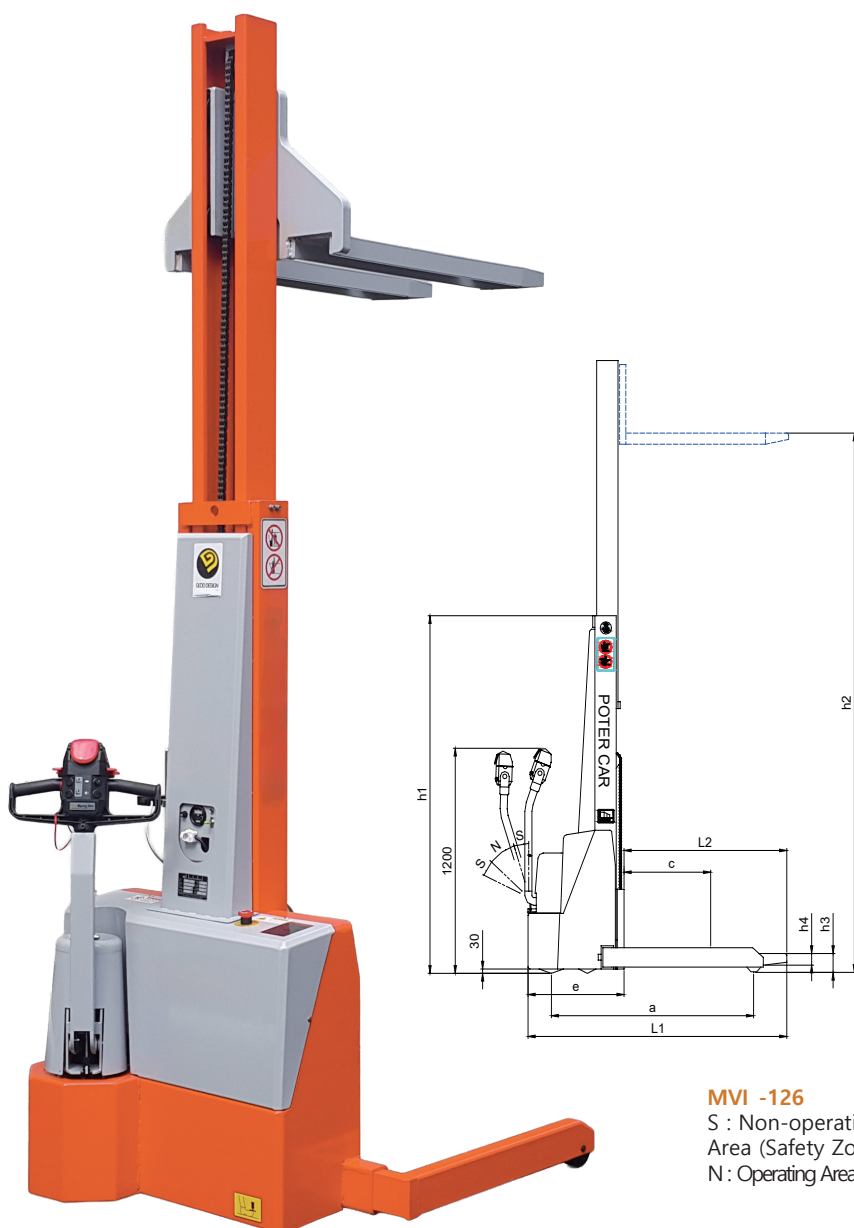
WORKING AISLE WIDTH(IN)

Pallet Size	Orientation	A (Incl. 7.87in Safety Zone)
32 x 48	Narrow Side Insertion	86
48 x 40	Wide Side Insertion	90



ELECTRIC HIGH FORKLIFT

- The electric high-lift truck is specially designed to maximize space utilization in narrow work environments.
- It features an ergonomic design and is equipped with durable German-made mast rails.



MVI -126

S : Non-operating
Area (Safety Zone)
N : Operating Area

MACHINE

SPECIFICATIONS

	Load Capacity	lb	2646
Q	Wheelbase	in	42.9
a	Wheel Track	in	42.1 ~ 54
b1	Fork Outside Width	in	22
b2	Load Center	in	20
c	Fork Width	in	5.9
d	Drive Unit Length	in	20
e	Safety Clearance	in	7.8
g	Overall Height	in	71
h1	Max. Lifting Height	in	98
h2	Min. Fork Height	in	3.5
h3	Fork Thickness	in	2.4
h4	Overall Length	in	59
L1	Fork Length	in	37.4
L2	Turning Radius	in	55.1
R			

BATTERY

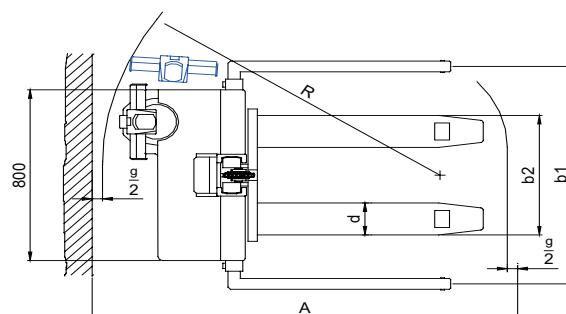
BATTERY	12x2	24V / 81A
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BUILT-IN CHARGER

Voltage	Pressure	Output(DC)
	110 ~ 220V	
	(Free Voltage)	Max 30.6 VDC
Max Current	8A ~ 115V	Max 15 ADC
	4A ~ 115V	
Frequency	50 / 60Hz	-
Phase	Single Phase	-
Fuse	T250V / 15A	-

WORKING AISLE WIDTH(IN)

Pallet Size	Orientation	A (Incl. 7.87in Safety Zone)
32 x 48	Narrow Side Insertion	86
48 x 40	Wide Side Insertion	92



A GOOD ENVIRONMENT CREATES GREAT QUALITY.

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