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**MS ROBOTICS**

## Zero- Emission Fully Electric Lifting Equipment



## WORK ASSISTANCE EQUIPMENT SERIES

## ELECTRIC FORK LIFT (STRADDLE)

MVS-12

## 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

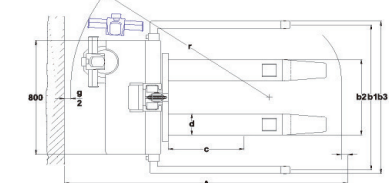
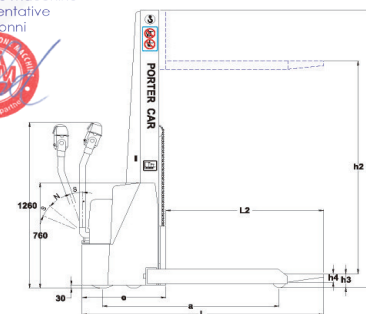
Voltage	Pressure	Output(DC)
	110 ~ 220V	
	(Free Voltage)	Max 30.6 VDC
Max Current	8A ~ 115V	Max 15 ADC
	4A ~ 115V	
Frequency	50 / 60Hz	-
Phase	Single Phase	-
Fuse	T250V / 15A	-

## 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

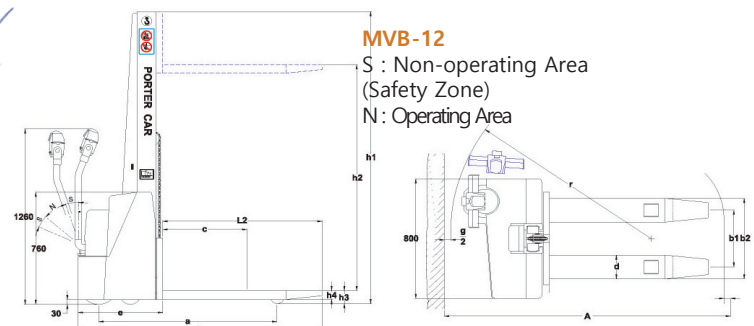
BATTERY	12x2	24V / 75A
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### BUILT-IN CHARGER

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



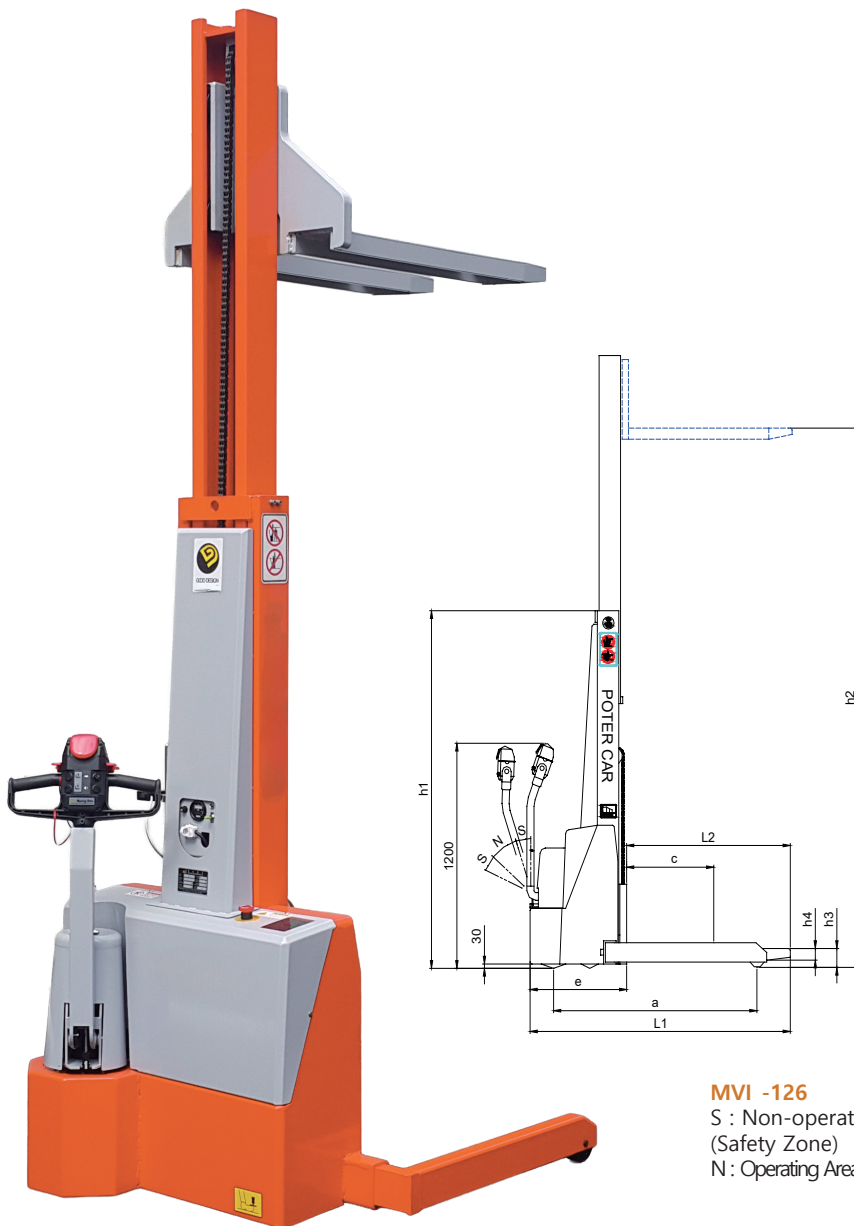
## WORK ASSISTANCE EQUIPMENT SERIES

## ELECTRIC FORK LIFT (2-STAGE)

MVH-125

## ELECTRIC HIGH FORK LIFT

- 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

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	71
h2	Max. Lifting Height	in	98
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

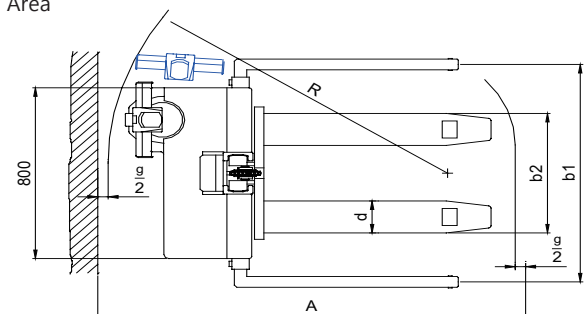
BATTERY	12x2	24V / 81A
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## BUILT-IN CHARGER

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





# NEW AC CONTROLL

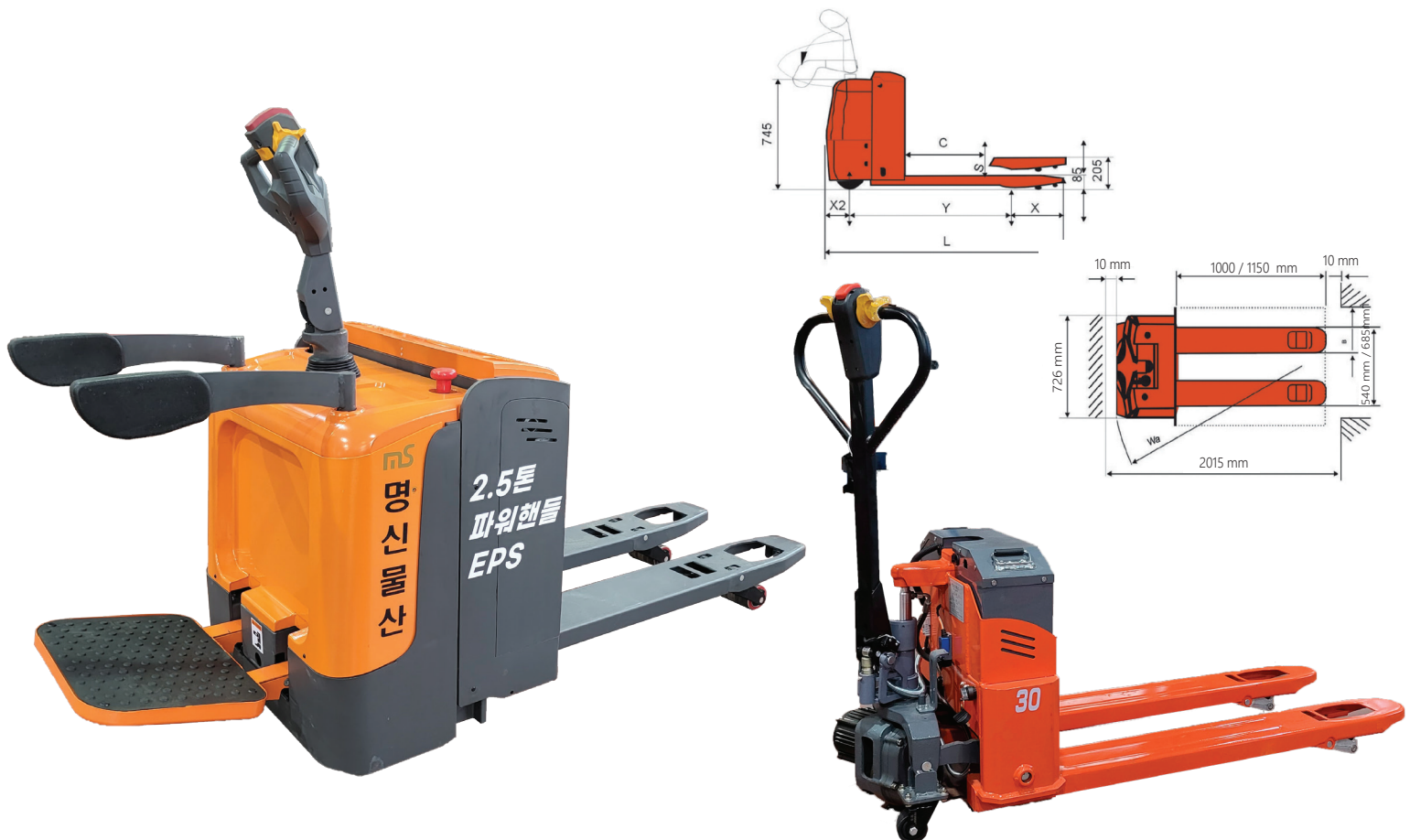
## 2.5T POWER HANDLE EPS CBD 25R

### ELECTRIC PALLET JACK

- Smooth acceleration enhances productivity by allowing efficient entry and exit of pallets. Combined with precise control of movement and lifting, it reduces product damage and increases operational efficiency.
- Using the no-polar electronic controller, the system can be programmed to suit specific tasks or the operator's skill level.
- A lift limit switch stops the pump motor at the maximum lift height for added safety.
- Equipped with a ZF drive wheel, it delivers powerful performance and extended operation time.
- Features a European-made CURTIS electronic controller for reliable and precise control.
- An easy-to-use EPS (Electric Power Steering) system ensures effortless operation for all users.

### MACHINE SPECIFICATIONS

Model		CBD 25R	ELEP-15	ELEP-15-650
Rated Load Capacity	lb	5500	3300	
Lift Height	in	7.8	7.8	7.7
Minimum Fork Height	in	3.4	3.4	3
Load Center (C)	in	23.6	23.6	
Fork Length	in	39.4 / 45.3	39.4 / 45.3	
Fork Width	in	21 / 27 / 23.6	20	23.6 / 25.6
Overall Width	in	28.6	27.6	
Overall Length(L)	in	70	62.6	
Overall Height	in	48.6	48.6	
Travel Speed	mph	Unloaded 3.1 / Loaded 2.8	Unloaded 3.2 / Loaded 3.1	
Lifting Speed	ft/min	Unloaded 7.5 / Loaded 5.1	Unloaded 6.9 / Loaded 5.3	
Drive Motor	kw	1.8	0.8	
Battery	V/Ah	24/240	24/60	
Load Roller	in	Ø3.3x3.7 (Ø3.3x2.8)	Ø3.3x3.7 (Ø3.3x2.8)	
Support Wheel	in	Ø4x1.5	Ø4x1.5	
Drive Wheel	in	Ø9x3	Ø9.5x3.5	
Gradeability	%	Unloaded 16 / Loaded 10	Unloaded 8 / Loaded 5	
Total Weight	lb	1676	595	



- This 5,500 lb capacity powered pallet truck is compactly designed using advanced technology, and is built for medium to heavy-duty applications.

A GOOD ENVIRONMENT CREATES GREAT QUALITY.

A SPECIALIZED MANUFACTURER OF SMART LOGISTICS TOTAL SOLUTION ROBOTS.



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