

MF15

MiMA[®]
Min. Space Max. Performance

Electric Reach Truck(1.5t)

The MF15 is a small-tonnage electric reach truck series. With a load capacity of 1500kg, a maximum lift height of 4500mm, it is designed with a user-friendly stand-on driving method. MF15 combines compact design and lightweight with exceptional lifting power, making it the perfect choice for efficient warehouse operations in even the narrowest working aisles.

2024 New Arrival



PERFORMANCE

Equipped with an 8.6kW lift motor for adequate and enhanced lifting power.

Curtis brand controller, Shimadzu brand hydraulic system ensures precise and reliable operation

COMFORT

Power steering makes handling effortless, especially at low speeds.

The valve lever is positioned closer to the driver for easy operation.

EFFICIENCY

The new layout with a built-in charger streamlines the charging process.

A narrower body design increases maneuverability in tight spaces.

SAFETY

The integrated lubrication system in the swinging axle reduces noise and wear.

Enhanced cooling with dual fans maintains optimal vehicle performance.

DETAILS

- 1) Its compact size and lightweight, featuring a smaller turning radius and aisle width.
- 2) Built-in intelligent charger for easier and more convenient battery charging.
- 3) The valve lever is ergonomically positioned to the driver for easy and reasonable operation.
- 4) Tilting fork for safer, easier pallet stacking and unloading, effectively prevents the goods from falling.



SPECIFICATION

Standard

1.1	Model		MF15
1.2	Power type		Battery
1.3	Operation		Stand on
1.4	Load capacity	Q(kg)	1500
1.5	Load center distance	C(mm)	500
1.6	Distance from fork surface to front wheel center	x(mm)	346
1.7	Front overhang	x1(mm)	180
1.7	Wheelbase	y(mm)	1345

Weights

2.1	Service weight (incl. battery)	kg	2760
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Wheels

3.1	Tyre type, front/rear		PU
3.2	Tyre size, front	mm	φ254×104
3.3	Tyre size, rear	mm	φ343×108
3.4	Balance wheel	mm	φ180×76
3.5	Wheels, number front/rear (X=driven)		2/1x+2
3.3	Track width, front	b10(mm)	680
3.4	Track width, front	b11(mm)	964

Dimensions

4.1	Fork tilt range, front/rear	α/β(°)	3/5
4.2	Mast retracted height	h1(mm)	2142
4.3	Free lift height	h2(mm)	1172
4.4	Lift height	h3(mm)	4500
4.5	Mast extended height(incl. backrest)	h4(mm)	5460
4.6	Overhead guard height	h6(mm)	2250
4.7	Pedal height	h7(mm)	300
4.8	Support legs height	h8(mm)	285
4.9	Overall length (with fork)	l1(mm)	2283
4.10	Overall length (without fork)	l7(mm)	1707
4.11	Distance to fork surface	l2(mm)	1213
4.12	Overall width	b1/b2(mm)	1090
4.13	Fork dimensions	l/e/s(mm)	1070/100/35
4.14	Backrest width	b3(mm)	1088
4.15	Fork outside distance	b5(mm)	222-650
4.16	Support legs inner width	b4(mm)	750
4.17	Reach distance	l4(mm)	525
4.18	Ground clearance below mast	m1(mm)	82
4.19	Aisle width with pallet 1000*1200mm, C=500mm	Ast(mm)	2682
4.20	Aisle width with pallet 800*1200mm, C=600mm	Ast(mm)	2737
4.21	Turning radius	Wa(mm)	1594

Performance

5.1	Travelling speed, laden/unladen	km/h	9/10
5.2	Lift speed, laden/unladen	mm/s	240/370
5.3	Lowering speed, laden/unladen	mm/s	340/320
5.4	Mast movement speed, reach/retract	mm/s	180
5.5	Gradeability, laden/unladen(S2-5min)	%(tanθ)	10
5.5	Brake type		Electromagnetic

Driving

6.1	Drive motor, rating(S2-60min)	kw	4.5
6.2	Lift motor, rating(S3-15%)	kw	8.6
6.3	Battery voltage/nominal capacity	V/Ah	48/300
6.4	Battery weight	kg	490
6.5	Steering type		Electro-Hydraulic

Other

7.1	Battery replacement method		Side pull
7.2	Charger		Built-in

