

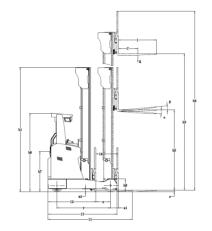
## Characteristics 1.2 Model MFZ20S 1.3 Drive type 1.8 Distance from front axle to fork vertical face x(mm) 426[1][2] Weight 3700 4131 3700 4131 2.1 Service weight (incl.battery) kg 2.2 Axle loading,fork back, unladen front/rear kg Wheels 3.1 Tyre type, front/rea 3.2 Tyre size, front 4.1 Mast/Fork tilt angle front/rear α/B(°) 3/5 4.4 Lift height 4.5 Mast extended heigh 4.6 Overhead guard heigh 4.10 Overall length 2330[3][4] 2390[3][4] 4.11 Length to fork face 4.15 Fork outside spread 272-725 272-725 4.16 Support arms inner wid b4(mm 2753[5] 2818[5] 1747 4.21 Turning radius 1647 Performance 5.4 Mast travel speed, forward/retract Motor 6.1 Drive motor rating(S2=60min 6.2 Lift motor rating(S3=15%) 12.8

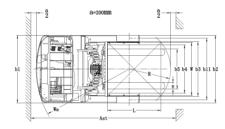
## Note [1]: This value decreases by 60 mm with side shifter option

[2]: For MFZ16S with 48V 560Ah lead-acid or 48V 460Ah lithium battery, this value decreases by 50 mm; for MFZ20S with 48V 700Ah lead-acid or 48V 600Ah lithium battery, it decreases by 72 mm.

- [3]: This value increases by 60 mm with side shifter option.
- [4]: For MFZ16S with 48V 560Ah lead-acid or 48V 460Ah lithium battery, this value increases by 50 mm; for MFZ20S with 48V 700Ah lead-acid or 48V 600Ah
- lithium battery, it increases by 72 mm.
  [5]: Increases by 40 mm with side shifter option
- [5]: Increases by 40 mm with side shifter option.
  [6]: Optional 8 kW drive motor available.
- [7]: For MFZ16S with 48V 560Ah lead-acid or 48V 460Ah lithium battery, this value is 920 kg; for MFZ20S with 48V 700Ah lead-acid or 48V 600Ah lithium battery this value is 1100 kg.

## 2D View





## **Load Specifications Summary**

Modelahi	4000	4500	5000	5500	6000	6500	7000	7500	8000
MFZ16S	1600	1600	1600	1600	1600	1550	1500	1300	1200
MFZ16D	1600	1600	1600	1600	1600	1600	1500	1400	1300
MFZ20S	2000	2000	2000	1900	1800	1700	1600	1450	1350
MFZ20D	2000	2000	2000	2000	1900	1800	1700	1600	1500

## Mast Specifications Summary

Triplex full- free mast	MFZ16S/MFZ20S:4000-8000mm; MFZ16D/MFZ20D:4000-8000mm;								
Lift height	h3(mm)	4000	5000	5500	6000	6500	7000	7500	8000
Mast extended height (with backrest)	h4(mm) [1]	5130	6130	6630	7130	7630	8130	8630	9130
Mast retracted height	h1(mm)	2053	2387	2554	2720	2887	3153	3320	3487
Free lift height (with backrest)	h2(mm)	953	1287	1453	1620	1787	2053	2220	2387
Free lift height (without backrest)	h2(mm)	1403	1737	1903	2070	2237	2303	2470	2637

Note [1]: Maximum mast height during lifting includes load backrest; subtract 178mm if standard load backrest is not included.







# MFZ16/20D SEATED ELECTRIC REACH TRUCK

MFZ16/20S



## BANYITONG SCIENCE & TECHNOLOGY DEVELOPING CO.,LTD

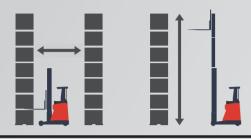
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## Faster speed, higher efficiency VNA high-level dense storage



2.72m Min. stacking aisle

8m

Max. lifting height for standard model (Higher heights can be customized)

The MFZ series is a new reach truck with a load capacity of 1.6 to 2.0 tons and a max. lifting height of 8 meters. The mast can be moved forward or retracted. It features a compact body, small turning radius, and high efficiency. The truck uses a full AC maintenance-free system with excellent performance. The narrow mast design provides better visibility and improved safety.

## Suitable for:

Medium storage density, high turnover scenarios; Stacking in narrow aisles

## **MFZ New Series Models**

Model	Operation type	Battery	Max. lifting height
MFZ16/20S	Multi-way valve	48V	Up to 8m
MFZ16/20D	Electromagnetic valve	48V	Up to 8m
MFZ16L	Electromagnetic valve	80V	Up to 9.5m
MFZ16M	Electromagnetic valve	48V	Up to 9.5m
MFZ16H	Electromagnetic valve	48V	Up to 10.5m
MFZ20M	Electromagnetic valve	48V	Up to 12.5m
MFZ20H	Electromagnetic valve	48V	Up to 12.5m
MFZ25/30M	Electromagnetic valve	48V	Up to 8.5m







For indoor stacking needs, when counterbalance forklift aisle width or load capacity cannot meet the requirements, reach trucks are the preferred choice.

MIME

Stand-on reach trucks have the most optimized aisle; when load capacity or lifting height is insufficient, seated reach trucks are better. Stand-on reach trucks: lower lifting height, lighter high-level loads, smaller aisles, flexible operation, suitable for short-time tasks. Seated reach trucks: higher lifting height, stronger high-level load capacity, slightly wider aisles than standing type, suitable for long-time tasks, higher efficiency.

MiMA seated reach trucks cover a wide range of tonnage, with high lifting height, better high-level stability, faster lifting/lowering speed, effectively improving warehouse handling and stacking efficiency.

## **High-strength mast**

- High-margin mast with high precision and strong load capacity
- High-stability mast, stable at high positions

## **Visibility**

- Tilted overhead guard beam helps observe goods at height, enhancing high-level stacking visibility
- Streamlined side body design avoids blocking view when picking goods at low level

## Comfort

- Multi-function smart dashboard with wheel display
- Adjustable seat for optimal operator comfort, easier for long-time work
- Spacious cabin, easy to get in and out
- Quiet operation with low noise level, more comfortable driving experience

# ay Mima

## **Efficiency**

- High work efficiency: faster lifting/lowering and travel speed, improved productivity
- Three-speed modes (high, medium, low) for different scenarios, enhancing efficiency and safety
- Full AC system with imported controller, stable and efficient

## Safety

- All-wheel braking: front and rear wheel brakes for better braking, safe on wet or icy surfaces
- HD wheel display
- Ultra-quiet, high-precision, high-sensitivity steering system enhances control and responsiveness, improving safety
- High-level fork camera system with laser-assisted positioning, safer picking and placing
- OPS presence detection: truck functions (driving, hydraulics, etc.) only activate when operator is in position and foot switch is pressed, ensuring safety







