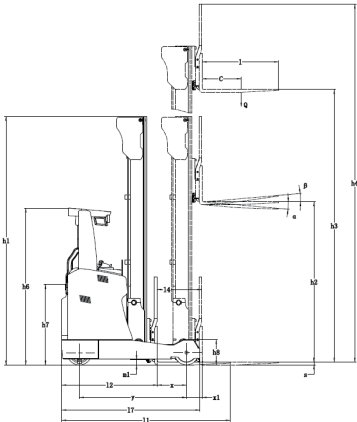
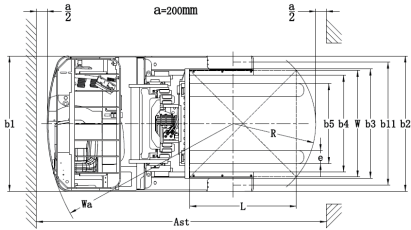


Characteristics					
1.1 Brand	MIMA				
1.2 Model	MFZ16S	MFZ20S	MFZ16D	MFZ20D	
1.3 Drive type	Battery				
1.4 Operation type	Seated				
1.5 Operation method	Multway valve		Multway valve		
1.6 Load capacity	Q(t)	1600	2000	1600	2000
1.7 Load center distance	C(mm)	600			
1.8 Distance from front axle to fork vertical face	x(mm)	387[1][2]	426[1][2]	387[1][2]	426[1][2]
1.9 Front overhang	x'(mm)	184			
1.10 Wheelbase	y(mm)	1400	1500	1400	1500
Weight					
2.1 Service weight (incl.battery)	kg	3700	4131	3700	4131
2.2 Axle loading, fork back, unladen front/rear	kg	2309/1391	2446/1510	2309/1391	2446/1510
2.3 Axle loading, fork forward, laden front/rear	kg	798/4501	730/5226	798/4501	730/5226
2.4 Axle loading, fork back, laden front/rear	kg	2042/3258	2196/3761	2042/3258	2196/3761
Wheels					
3.1 Tyre type, front/rear	Solid PU/Solid PU				
3.2 Tyre size, front	mm	φ343×120			
3.3 Tyre size, rear	mm	φ300×120			
3.4 Wheels,number front/rear (D=driven)		1X / 2			
3.5 Track width, rear	b1[1](t)	1170			
Dimensions					
4.1 Mast/Fork tilt angle front/rear	α/β(°)	3/5			
4.2 Mast retracted height	h(mm)	2220			
4.3 Free lift height	h2(mm)	1120			
4.4 Lift height	h3(mm)	4500			
4.5 Mast extended height(with backrest)	h4(mm)	5630			
4.6 Overhead guard height	h6(mm)	2200			
4.7 Seat height	h7(mm)	1080			
4.8 Side shift distance		±50			
4.9 Support arms height	h8(mm)	320			
4.10 Overall length	l(mm)	2330[3][4]	2390[3][4]	2330[3][4]	2390[3][4]
4.11 Length to fork face	l2(mm)	1260[3][4]	1320[3][4]	1260[3][4]	1320[3][4]
4.12 Overall width	b1/b2(mm)	1270/1290			
4.13 Fork dimensions	l/e/s(mm)	1070×100×35	1070×122×40	1070×100×35	1070×122×40
4.14 Fork carriage width	b3(mm)	1090			
4.15 Fork outside spread	b5(mm)	250-703	272-725	250-703	272-725
4.16 Support arms inner width	b4(mm)	906			
4.17 Reach distance	kl(mm)	570[1][2]	609[1][2]	570[1][2]	609[1][2]
4.18 Ground clearance below mast	m1(mm)	75			
4.19 Aisle width with pallet 1000×1200mm/1200 cross fork	Ast(mm)	2707[5]	2777[5]	2707[5]	2777[5]
4.20 Aisle width with pallet 800×1200mm/1200 cross fork	Ast'(mm)	2753[5]	2818[5]	2753[5]	2818[5]
4.21 Turning radius	Wa(mm)	1647	1747	1647	1747
4.22 Vehicle length	7(mm)	1796	1903	1796	1903
Performance					
5.1 Travelling speed, laden/unladen	km/h	14/14			
5.2 Lift speed, laden/unladen	m/s	0.35/0.52	0.33/0.52	0.35/0.51	0.33/0.51
5.3 Lowering speed, laden/unladen	m/s	0.51/0.55			
5.4 Mast travel speed, forward/retract	m/s	0.15			
5.5 Gradeability, laden/unladen (S2=5mm)	%(tanθ)	10			
5.6 Service brake		Hydraulic			
Motor					
6.1 Drive motor rating(S2=60min)	kw	5.6[6]			
6.2 Lift motor rating(S3=15%)	kw	12.8			
6.3 Steer motor rating(S2=60min)	kw	0.67			
6.4 Battery voltage/nominal capacity	V/Ah	48/420	48/560	48/420	48/560
6.5 Lithium Battery voltage/nominal capacity(optional)	V/Ah	48/300	48/560	48/300	48/460
6.6 Battery weight	kg	715[7]	920[7]	715[7]	920[7]
Others					
7.1 Battery replacement method	Front pull				
7.2 Noise level at operator's ear	dB(A)	75			

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.
[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

Load center distance: C=600mm Lift height: h3(mm) Load capacity: Q(kg)

Lift height / Model	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	1800	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)	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	
6.4 Battery voltage/nominal capacity	V/Ah	48/420	48/560							
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.



Min. Space Max. Performance

Since 1994

MFZ16/20S

MFZ16/20D

SEATED ELECTRIC REACH TRUCK



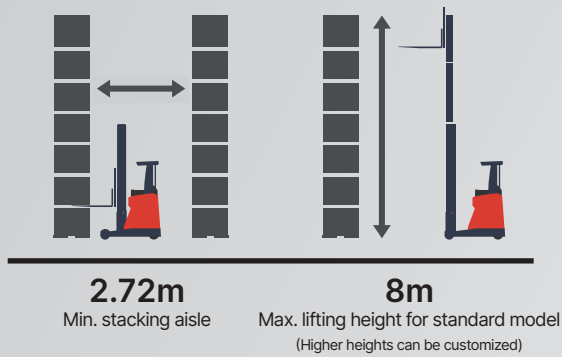
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INTERTRAC

Material Handling ☎ 900 818 978

Faster speed, higher efficiency

VNA high-level dense storage



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



MFZ16L
Lithium battery version



MFZ20M
Electromagnetic valve



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

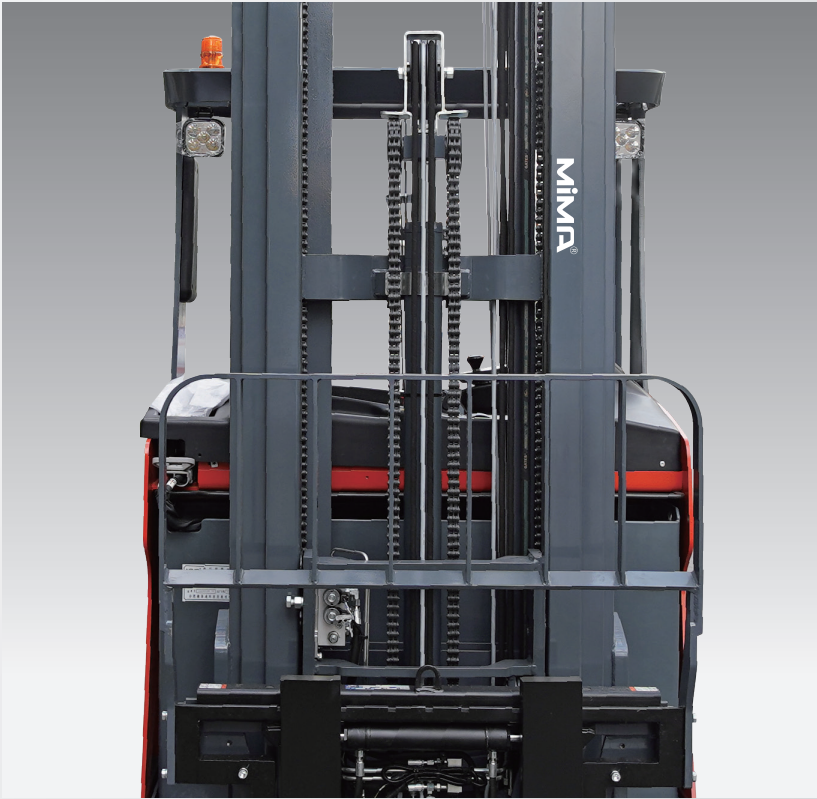


Efficiency

- 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



Overhead guard



HD fork camera system



Operation handle (optional)

info@carretillasintertrac.com