

3-Way Pallet Stacker

High-level dense storage solution for VNA warehouse

MC/MCA/MCC

MiMA[®]
Min Space,Max Performance





3-WAY PALLET STACKER

(MC08/12/16 MCA16 MCC12/14/16)

Banyitong Science & Technology Developing Co., Ltd. (MiMA) is the first company in the design, development, and sale of VNA (Very Narrow Aisle) 3-way pallet stackers. As one of the earliest certified companies in China, MiMA successfully delivered over 3,000 3-way pallet stackers, making it a market leader in terms of shipment volume. In 2023, MiMA contributed to the compilation of the "Mechanical Industry Standard of the People's Republic of China - 3-way Pallet Stackers Forklift" and holds over 40 patents for three-way pallet trucks. Our products are sold both domestically and internationally. The MiMA 3-way pallet stacker optimizes storage space utilization, enhances staff efficiency, and is your ideal warehouse assistant.

- The fork can be shifted sideways and rotated 180 degrees.
- Narrower shelf aisles with down to 1.5 meters
- Maximum lifting height of 14.2 meters
- Increase warehouse capacity by 200%

Conventional Warehousing

Narrow Aisle Storage

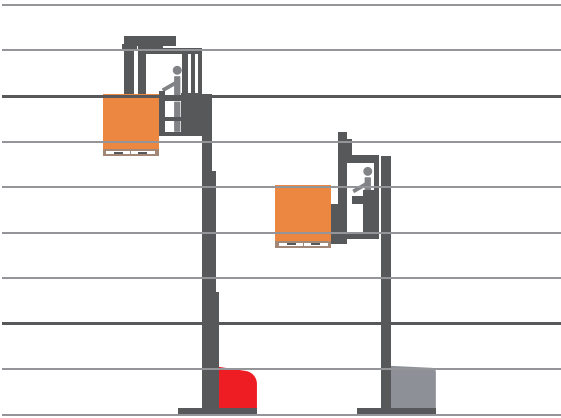
Very Narrow Aisle Warehousing
(Storage capacity increased by 200%)

High Lifting Height

The MiMA 3-way pallet stacker offers exceptional lifting capabilities, with the man-up model reaching an impressive height of 14.2 meters. This feature significantly enhances your warehouse capacity.

Great Load Capacity

Powerful specialized mast structure design, great high position loading capacity. The mast adopts special H-type mast channel steel, central rail and frame type design to ensure structural strength and rigidity while improving the view, and significantly enhance the stability of high-position operation.

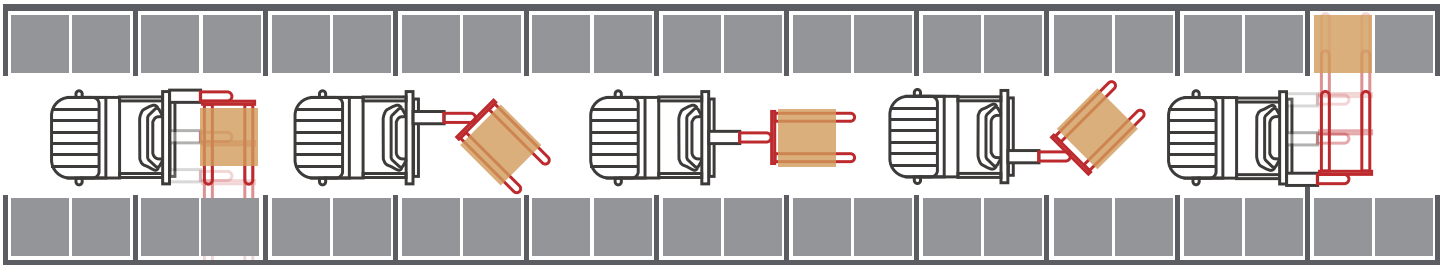
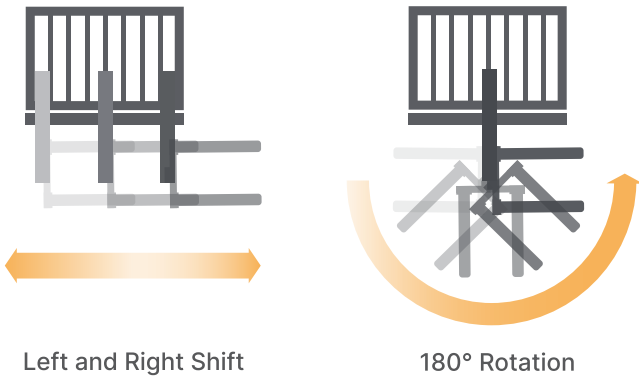


Forks can move sideways and rotate 180-Degree

With the capability to move forks sideways and rotate by 180 degrees, the MiMA 3-way pallet stacker allows for efficient stacking of goods on both the left and right sides in narrow aisles without turning. This feature significantly enhances warehouse utilization and operational efficiency.

Super Power, Extended Endurance

With high voltage and low current, the MiMA 3-way pallet stacker ensures longer operational endurance and reduce energy consumption. Equipped with maintenance-free AC motors for driving, steering, and lifting, the entire truck offers reliable performance.



MC08/12/16

2024 New Arrival

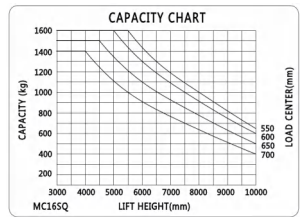
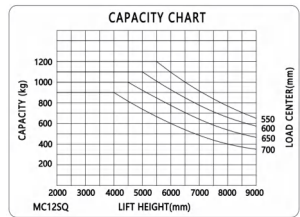
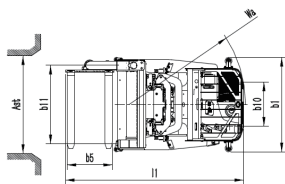
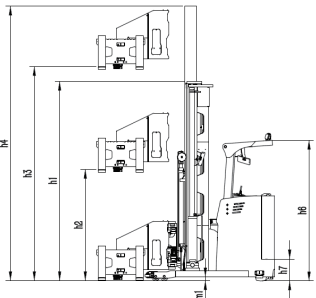
Stand-on 3-way Pallet Stacker (0.8t/1.2t/1.6t)

The MC08/12/16 series forklift is a 3-way pallet stacker designed for high-level stacking in narrow aisle, with lifting height of 3.0-6.0m/3.0-9.0m/3.0-10m. The stacking, loading, and unloading of goods on both sides of the aisle are realized through 180° rotation and left-right side shift of the forks without body turning. Suitable for: Medium and high-level narrow aisle stacking.



Model	MC08/MC12/MC16
Load Capacity(kg)	700/1200/1600
Load Center Distance(mm)	550/550/600
Overall Length(mm)	2600/2960/3000
Overall Width(mm)	1475 ^[1] /1475 ^[1] /1575 ^[1]
Turning Radius Wa(mm)	1600/1910/1980
Service Weight incl. battery (kg)	2870/4860/5330
Performance Data	
Travel Speed, laden/unladen(Km/h)	7.5/8
Lift Speed, laden/unladen(mm/s)	350/400 300/300 300/300
Lowering Speed, laden/unladen(mm/s)	300/350 340/340 340/340
Dimensions	
Fork Dimensions l/e/s(mm)	1100/100/35 1200/125/50 1200/125/50
Spread Fork Outside (mm)	260-760/265-765/265-765
Min. Stacking Aisle Width Ast(mm)	1500 ^[2] /1600 ^[2] /1600 ^[2]
Min. Main Aisle Width Wa(mm)	≥(2950+350) ^[3] /≥(3350+350) ^[3] /≥(3450+350) ^[3]
Electrical Parameters	
Drive Motor Rating(kw)	4.5AC/5.5AC/5.5AC
Lift Motor Rating(kw)	8.6AC/15AC/15AC
Battery Voltage/Rated Capacity(V/Ah)	48/200 ^[4] 48/390 ^[4] 48/480 ^[4]
Battery Weight(min.)(kg)	150/618/726
Steering System	Electric Steering
Battery Change Method	Side Pull

- [1]: The overall width with the guide wheels removed is 1370mm for the MC08&MC12 model and 1470mm for the MC16 model.
[2]: Stacking aisle width +50mm with optional magnetic navigation.
[3]: Safe margin +350mm for the width of the main aisle.
[4]: Optional lithium battery specification: MC08: 48V/200Ah; MC12/16: 48V/300Ah.
Note: Only some of the parameters are listed in this table. For details, please consult professional sales engineer.



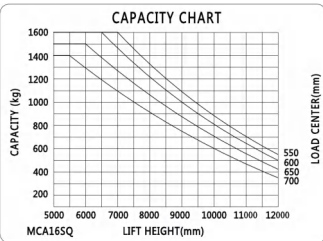
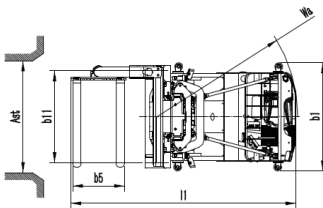
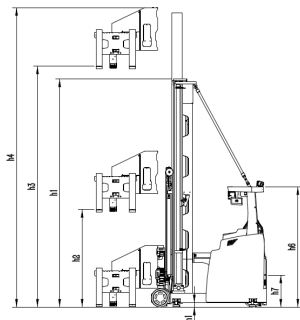
MCA16

Seated 3-way Pallet Stacker (1.6t)

The MCA16 series forklift is a 3-way pallet stacker designed for narrow aisle stacking, with lifting height of 3-12m. Forks can be rotated and moved left-to-right to stack and pick from both sides without body turning. Suitable for: Medium and high-level narrow aisle stacking.



Model	MCA16
Load Capacity(kg)	1600
Load Center Distance(mm)	600
Overall Length(mm)	3315
Overall Width(mm)	1575 ^[1]
Turning Radius Wa(mm)	2085
Service Weight incl. battery (kg)	6000
Performance Data	
Travel Speed, laden/unladen(Km/h)	8/8
Lift Speed, laden/unladen(mm/s)	300/300
Lowering Speed, laden/unladen(mm/s)	340/340
Dimensions	
Fork Dimensions l/e/s(mm)	1200/125/50
Spread Fork Outside(mm)	265~765
Stacking Aisle Width(pallet 1200*1200)(mm)	1600 ^[2]
Main Aisle Width(pallet 1200*1200)(mm)	≥(38 00+400) ^[3]
Electrical Parameters	
Drive Motor Rating(kw)	8AC
Lift Motor Rating(kw)	15AC
Battery Voltage/Rated Capacity(V/Ah)	48/600 ^[4]
Battery Weight(min.)(kg)	945
Steering System	Electric Steering
Battery Change Method	Front Pull



- *This parameter table provides technical data for standard models only. For non-standard and other height series models, please consult Banyitong Science & Technology Developing Co., Ltd. Specifications and configurations are subject to change without prior notice.
[1]: The width of the vehicle without the guide wheels is 1470mm;
[2]: The net channel width is applicable to standard mechanical guide rail models (magnetic navigation model, stacking net channel width + 50mm), the above data varies depending on the use conditions;
[3]: The main channel width safety margin of the mechanical guide rail model needs to be +400mm, the magnetic guidance model needs to be +400mm when using the manual rail entry function, and +900mm when using the automatic rail entry function;
[4]Optional lead-acid battery specifications: 48V/880AH; optional lithium battery specifications: 48V/460Ah, 48V/600Ah.

MCC12

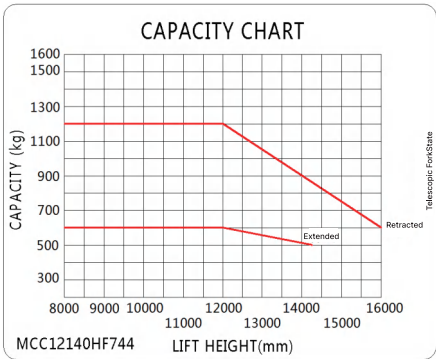
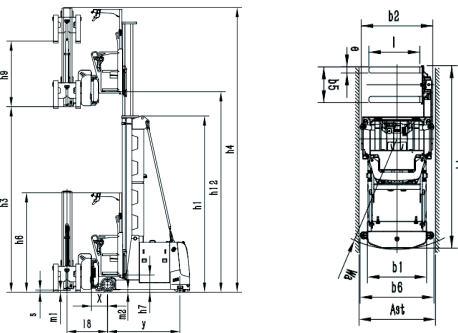
Double-deep Man-up Turret Truck(1.2t)

The 3-way forks can be rotated 180° and moved left to right to pick up goods in very narrow aisles without the vehicle turning; Super lifting height of 15.8m; With fork extension stroke of 1000mm, it can take the goods from double-deep shelves. It is suitable for very narrow aisle, very high shelves, double-deep shelves and intensive warehousing conditions, which can greatly enhance the storage capacity rate. The MCC series of man-up 3-way pallet stacker allow the operator to move up with the cab to to do stacking, picking and inventory tasks.



Model	MCC12
Load Capacity(kg)	1200
Load Center Distance(mm)	500
Stand Height (mm)	445
Guide Wheel Outer Distance (mm)	1875
Turning Radius (mm)	2535
Lift Height of Main Mast (mm)	14000
Performance Data	
Travel Speed, laden/unladen(km/h)	10/10
Lift Speed, laden/unladen(mm/s)	320/320
Lowering Speed, laden/unladen(mm/s)	400/380
Dimensions	
Telescopic Forks Stroke(mm)	1000
Main Aisle Width(mm)	4800
Minimum Stacking Clear Aisle Width(pallet 1000*1000)(mm)	2000
Guide Wheel Outer Distance(mm)	1875
Electrical Parameters	
Drive Motor Rating(kw)	9.5AC
Lift Motor Rating(kw)	21AC
Parking Brake Mode	Electromagnetic Braking
Driving Brake Mode	Regenerative/Electromagnetic Braking
Steering System	Electric Steering
Battery Change Method	Side Pull

*The above lift height refers to the overall lifting height.
*The above load curve of MCC12H series is only applicable to specific working conditions.
Note: Only some of the parameters are listed in this table. For details, please consult professional sales engineer.



MCC14F80

Man-up Turret Truck for Cold Storage(1.4t)

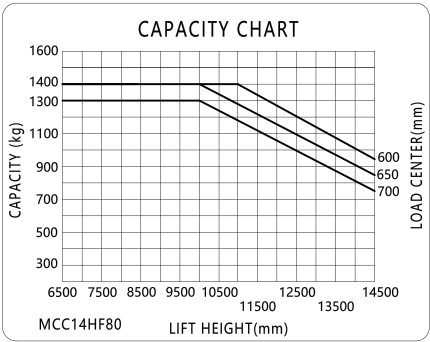
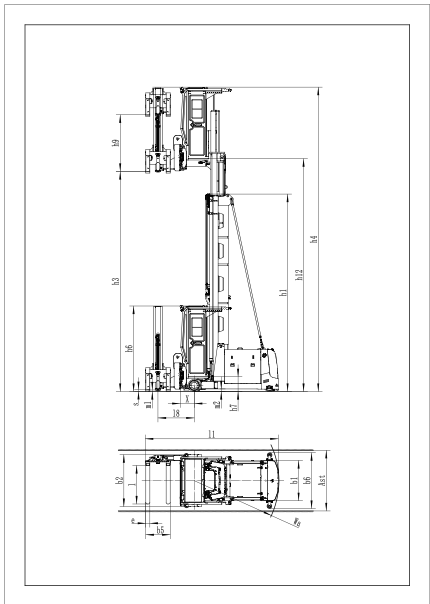
The MCC14F80 3-way pallet stacker is specially designed for cold storage environments above -25°C. It has a load capacity of 1400kg and a maximum lift height of up to 14200mm lifting height. Navigation modes include mechanical and electromagnetic options for narrow aisles in cold storage. The forks rotate 180° and shift laterally, optimizing narrow aisle stacking without vehicle turning. Special materials and large-diameter load wheels ensure strength and stability on wet floors, maximizing warehouse capacity.



Model	MCC14F80
Load Capacity(kg)	1400
Load Center Distance(mm)	600
Overall Length(Fork 90°)(mm)	3955
Overall Width(mm)	1244/1502
Turning Radius(mm)	2615
Service Weight(incl.battery)(kg)	9900
Performance Data	
Travel Speed, laden/unladen(km/h)	10/10
Lift Speed, laden/unladen(mm/s)	320/320
Lowering Speed, laden/unladen(mm/s)	400/380
Dimensions	
Fork Dimensions l/e/s(mm)	1200/125/50
Spread Fork Outside(mm)	390~750
Stacking Aisle Width(pallet 1200*1200)(mm)	1650 ^[1]
Main Aisle Width(pallet 1200*1200)(mm)	≥(4320+400) ^[2]
Electrical Parameters	
Drive Motor Rating(kw)	9.5AC
Lift Motor Rating(kw)	21AC
Battery Voltage/Rated Capacity(V/Ah)	80/700
Battery Weight(min.)(kg)	1840
Steering System	Electric Steering
Battery Change Method	Side Pull

[1]: The clear aisle width applies to standard models with mechanical guide rails (for models with magnetic navigation, +50mm to the clear stacking aisle width); the above data may vary depending on the operating conditions.

[2] The main aisle width includes safety distances. For standard models with mechanical guide rails, the minimum main aisle width safety distance needs to be +400mm (models with magnetic navigation needs to be +900mm). The above data may vary depending on the pallet size.



MCC16

Man-up Turret Truck(1.6t)

MCC16 series forklift is a man-up narrow aisle 3-way turret truck with rated capacity of 1.6 tons, main lifting height of 4.5-12.5m, auxiliary lifting height of 1.7m. The stacking, loading, and unloading of goods on both sides of the aisle are realized through 180°rotation and left-right side shift of the forks without body turning. The cab can be raised for high-level stacking, picking, inventory and other tasks. It offers both standing and seated operating modes, ensuring good operational visibility and functional expandability.



Model	MCC16
Load Capacity(kg)	1600
Load Center Distance(mm)	600
Overall Length(Fork 90°)(mm)	3725
Overall Width(mm)	1244/1502
Turning Radius(mm)	2235
Service Weight(incl.battery)(kg)	7700

Performance Data	
Travel Speed, laden/unladen(km/h)	10/10
Lift Speed, laden/unladen(km/h)	320/320
Lowering Speed, laden/unladen(mm/s)	400/380

Dimensions	
Fork Dimensions l/e/s(mm)	1200/125/50
Spread Fork Outside(mm)	390~750
Stacking Aisle Width(pallet 1200*1200)(mm)	1650 ^[1]
Main Aisle Width(pallet 1200*1200)(mm)	≥(4100+400) ^[2]

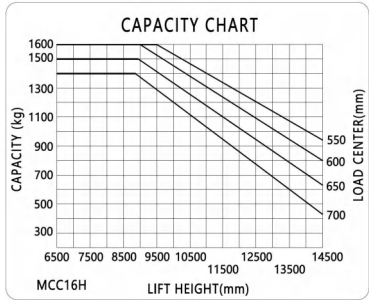
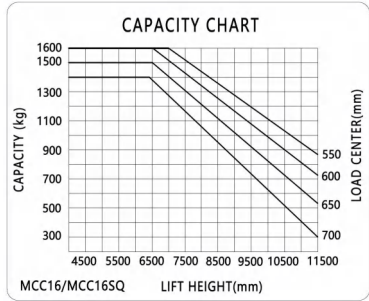
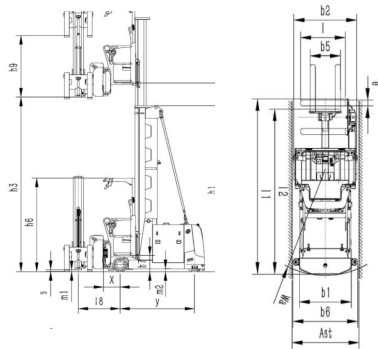
Electrical Parameters	
Drive Motor Rating(kw)	8AC
Lift Motor Rating(kw)	21AC
Battery Voltage/Rated Capacity(V/Ah)	80/560 ^[3]
Battery Weight(min.)(kg)	1530
Steering System	Electric Steering
Battery Change Method	Side Pull

[1]: The clear aisle width applies to standard models with mechanical guide rails (for models with magnetic navigation, +50mm to the clear stacking aisle width); the above data may vary depending on the operating conditions.

[2] The main aisle width includes safety distances. For standard models with mechanical guide rails, the minimum main aisle width safety distance needs to be +400mm (models with magnetic navigation needs to be +900mm). The above data may vary depending on the pallet size.

[3]: Optional lithium battery: 80V/460Ah or 80V/600Ah.

Note: Only some of the parameters are listed in this table. For details, please consult professional sales engineer.



MCC16-U

Man-up Turret Truck(1.6t)

MCC16 series forklift is a man-up narrow aisle 3-way turret truck with rated capacity of 1.6 tons, main lifting height of 4.5-12.5m, auxiliary lifting height of 1.7m. The stacking, loading, and unloading of goods on both sides of the aisle are realized through 180°rotation and left-right side shift of the forks without body turning. The cab can be raised for high-level stacking, picking, inventory and other tasks. It offers both standing and seated operating modes, ensuring good operational visibility and functional expandability.



Model	MCC16U
Load Capacity(kg)	1600
Load Center Distance(mm)	600
Overall Length(Fork 90°)(mm)	3805
Overall Width(mm)	1244/1502
Turning Radius(mm)	2310
Service Weight(incl.battery)(kg)	8350

Performance Data	
Travel Speed, laden/unladen(km/h)	10/10
Lift Speed, laden/unladen(km/h)	320/320
Lowering Speed, laden/unladen(mm/s)	400/380

Dimensions	
Fork Dimensions l/e/s(mm)	1200/125/50
Spread Fork Outside(mm)	280~700
Minimum Stacking Clear Aisle Width(pallet 1200*1200)(mm)	1650 ^[1]
Main Aisle Width(pallet 1200*1200)(mm)	≥(4175+400) ^[2]

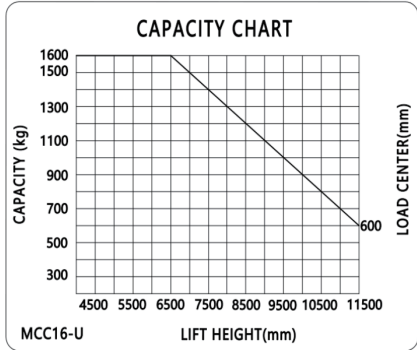
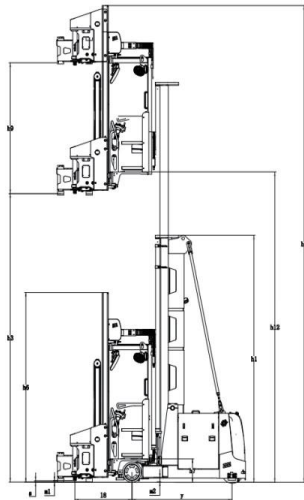
Electrical Parameters	
Drive Motor Rating(kw)	8AC
Lift Motor Rating(kw)	21AC
Battery Voltage/Rated Capacity(V/Ah)	80/560 ^[3]
Battery Weight(min.)(kg)	1530
Steering System	Electric Steering
Battery Change Method	Side Pull

[1]: The clear aisle width applies to standard models with mechanical guide rails (for models with magnetic navigation, +50mm to the clear stacking aisle width); the above data may vary depending on the operating conditions.

[2] The main aisle width includes safety distances. For standard models with mechanical guide rails, the minimum main aisle width safety distance needs to be +400mm (models with magnetic navigation needs to be +900mm). The above data may vary depending on the pallet size.

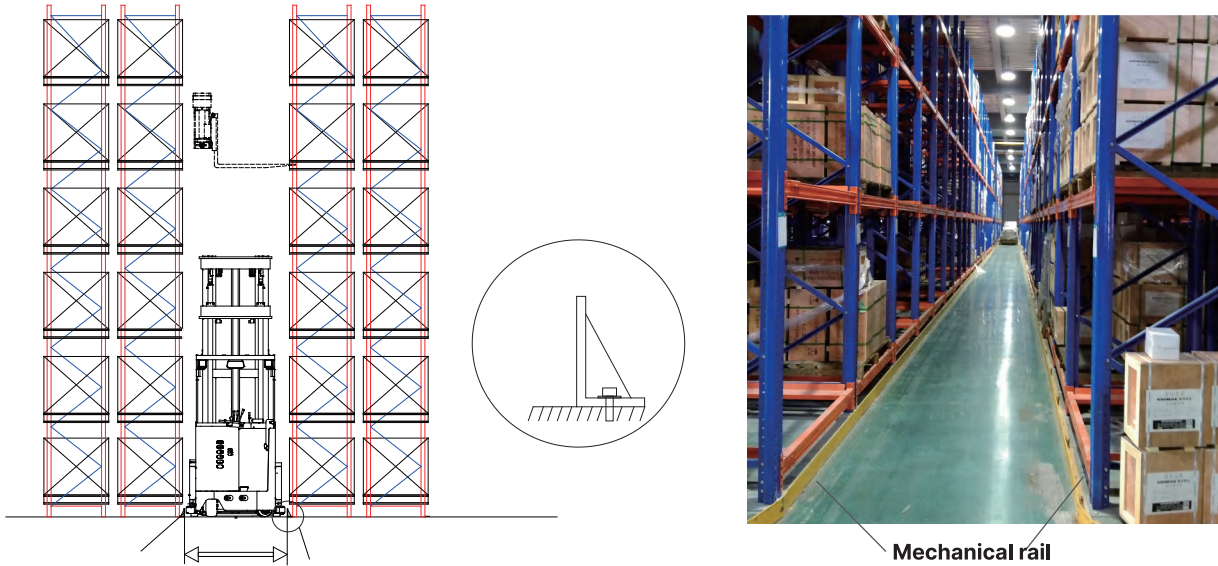
[3]: Optional lithium battery: 80V/460Ah or 80V/600Ah.

Note: Only some of the parameters are listed in this table. For details, please consult professional sales engineer.

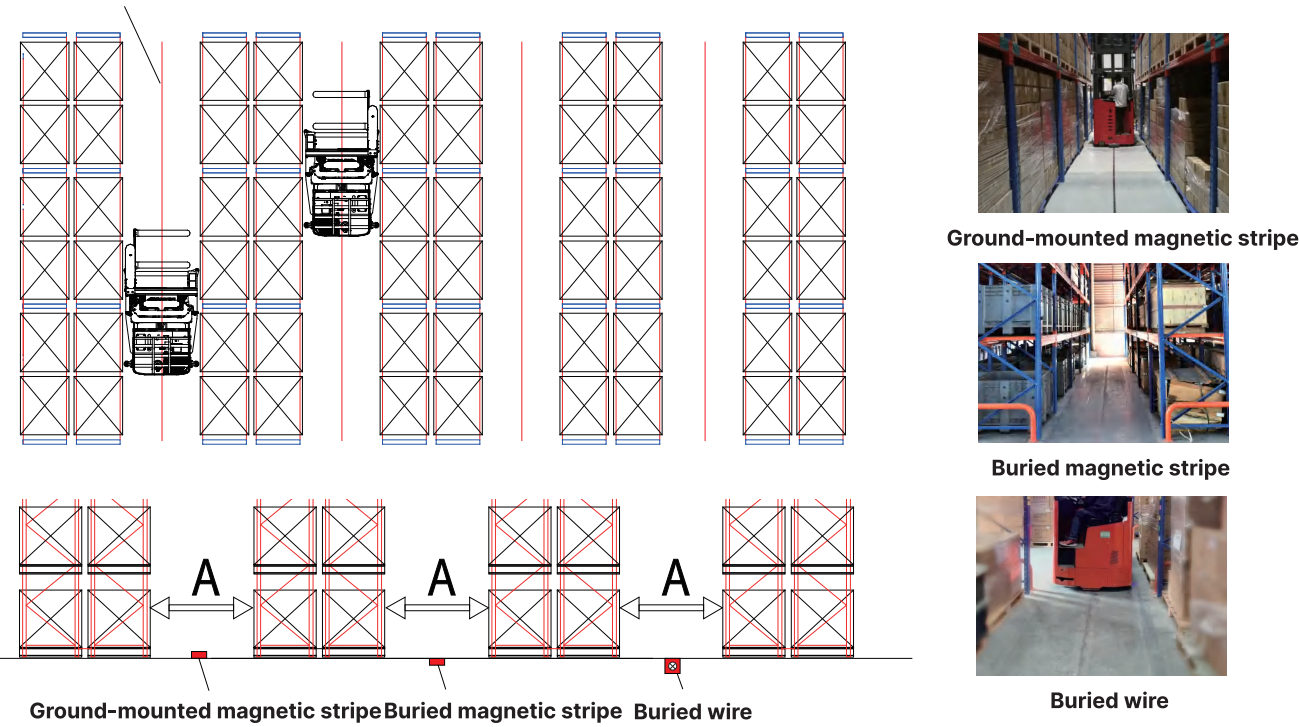


Navigation Mode

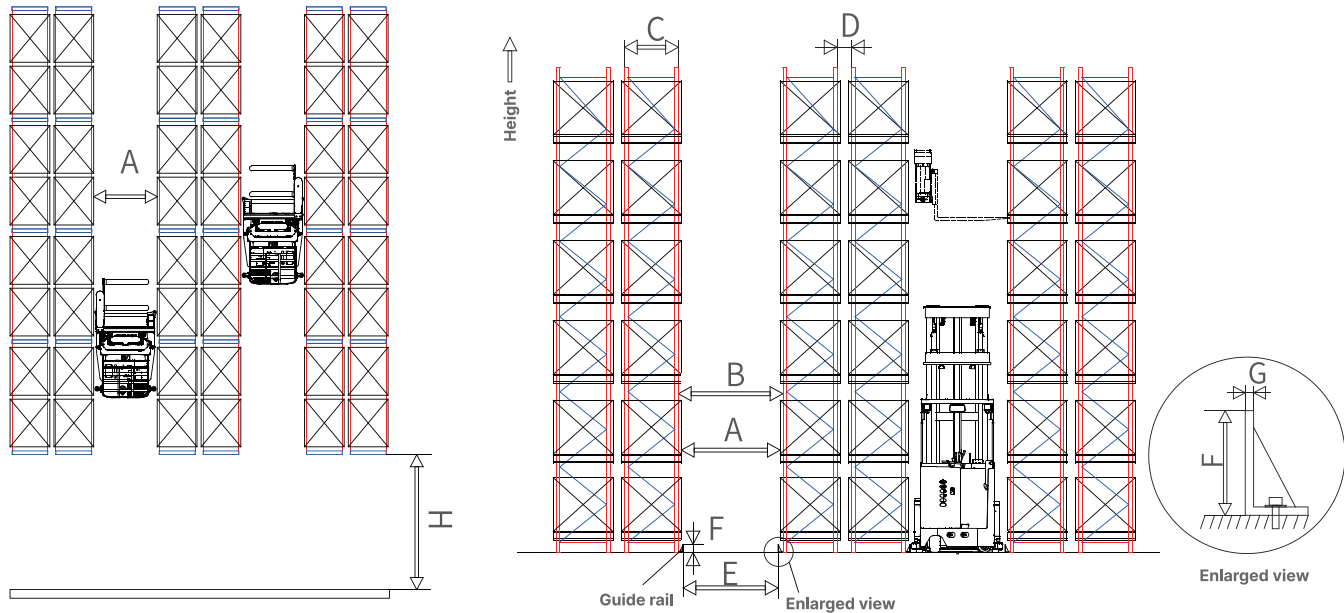
Mechanical guide mode The crossbeam is installed at the bottom of the shelf, and the guide rail is installed on the ground in the aisle. The vehicle travels along the rail within the aisle, ensuring efficient and safe movement.



Magnetic navigation mode (optional) Goods can be placed directly on the floor without floor rails, which saves the bottom crossbeams and reduces warehouse construction costs.



The dimension of rack and aisle



Dimension Sheet

Mode		MC12			MC16			MCA16			MCC16		
Pallet size	mm	1000×1000 1000×1200	1100×1100	1200×1200 1000×1200	1000×1000 1000×1200	1100×1100	1200×1200 1000×1200	1000×1000 1000×1200	1100×1100	1200×1200 1000×1200	1000×1000 1000×1200	1100×1100	1200×1200 1000×1200
Load center	mm	C500	C550	C600	C500	C550	C600	C500	C550	C600	C500	C550	C600
Fork length	mm	1000	1100	1200	1000	1100	1200	1000	1100	1200	1000	1100	1200
A Net width of aisle/ goods to goods distance	mm	1500/1550 ⁽¹⁾	1500/1550 ⁽¹⁾	1600/1650 ⁽¹⁾	1600/1650 ⁽¹⁾			1600/1650 ⁽¹⁾			1650/1700 ⁽¹⁾		
B Beam spacing between the rack	mm	1700/1750 ⁽¹⁾	1700/1750 ⁽¹⁾	1800/1850 ⁽¹⁾	1800/1850 ⁽¹⁾			1800/1850 ⁽¹⁾			1850/1900 ⁽¹⁾		
C Rack depth	mm	800	900	1000	800	900	1000	800	900	1000	800	900	1000
D Rack back-to-back distance	mm	≥300			≥300			≥300			≥300		
H Main aisle width	mm	≥3700		≥3800	≥3800			4300/4800 ⁽¹⁾			4500/5000 ⁽¹⁾		
E Inner distance of the guide rail	mm	1480±5			1580±5			1580±5			1580±5		
F Guide rail height	mm	≥100			≥100			≥100			≥100		
G Guide rail thickness	mm	≥8			≥10			≥10			≥10		

Note: (1) The net aisle dimensions of racks in magnetic navigation mode. The table above shows corresponding parameters under standard conditions. For more detailed requirements, please consult our professional sales engineers.

Mast Specifications

MC08 Mast Specifications (Duplex Mast)									
Type	MC08	08-30	08-35	08-40	08-45	08-50	08-55	08-60	
Lifting Height	h3(mm)	3000	3500	4000	4500	5000	5500	6000	
Mast extended height (incl. the fork guard)	h4(mm)	3820	4320	4820	5320	5820	6320	6820	
Mast retracted height	h1(mm)	2195	2445	2695	2945	3195	3445	3695	
Free lifting height	h2(mm)								

MC08 Mast Specifications (Triplex Full Free Mast)											
Type	08SQ-40	08SQ-45	08SQ-50	08SQ-55	08SQ-60						
Lifting Height	4000	4500	5000	5500	6000						
Mast extended height (incl. the fork guard)	4820	5320	5820	6320	6820						
Mast retracted height	2233	2400	2567	2733	2900						
Free lifting height	1449	1615	1781	1949	2115						

MC12 Mast Specifications (Duplex Mast)								
Type	MC12	12-30	12-35	12-40	12-45	12-50	12-55	12-60
Lifting Height	h3(mm)	3000	3500	4000	4500	5000	5500	6000
Mast extended height (incl. the fork guard)	h4(mm)	3935	4435	4935	5435	5935	6435	6935
Mast retracted height	h1(mm)	2435	2685	2935	3185	3435	3685	3935
Free lifting height	h2(mm)							

MC12 Mast Specifications (Triplex Full Free Mast)											
Type	12SQ-45	12SQ-50	12SQ-55	12SQ-60	12SQ-65	12SQ-70	12SQ-75	12SQ-80	12SQ-85	12SQ-90	
Lifting Height	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	
Mast extended height (incl. the fork guard)	5440	5940	6440	6940	7440	7940	8440	8940	9440	9940	
Mast retracted height	2635	2805	2970	3135	3305	2470	3635	3805	3970	4135	
Free lifting height	1750	1910	2080	2250	2410	2580	2750	2910	3080	3250	

MC16 Mast Specifications (Duplex Mast)									
Type	MC16	16-30	16-35	16-40	16-45	16-50	16-55	16-60	
Lifting Height	h3(mm)	3000	3500	4000	4500	5000	5500	6000	
Mast extended height (incl. the fork guard)	h4(mm)	4065	4565	5065	5565	6065	6565	7065	
Mast retracted height	h1(mm)	2565	2815	3065	3315	3565	3815	4065	
Free lifting height	h2(mm)								

MC16 Mast Specifications (Triplex Full Free Mast)													
Type	16SQ-45	16SQ-50	16SQ-55	16SQ-60	16SQ-65	16SQ-70	16SQ-75	16SQ-80	16SQ-85	16SQ-90	16XSQ-95	16SQ-100	
Lifting Height	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500	10000	
Mast extended height (incl. the fork guard)	5570	6070	6570	7070	7570	8070	8570	9070	9570	10070	10570	11070	
Mast retracted height	2765	2935	3100	3265	3435	3600	3765	3935	4100	4265	4435	4600	
Free lifting height	1750	1910	2080	2250	2410	2580	2750	2910	3080	3250	3410	3580	

MCA16 Mast Specifications (Triplex Full Free Mast)																	
Type	MCA16	16SQ-45	16SQ-50	16SQ-55	16SQ-60	16SQ-65	16Sq-70	16SQ-75	16SQ-80	16SQ-85	16SQ-90	16SQ-95	16SQ-100	16SQ-105	16SQ-110	16SQ-115	16SQ-120
Lifting Height	h3(mm)	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500	10000	10500	11000	11500	12000
Mast extended height (incl. the fork guard)	h4(mm)	5650	6150	6650	7150	7650	8150	8650	9150	9650	10150	10650	11150	11650	12150	12650	13150
Mast retracted height	h1(mm)	2765	2935	3100	3265	3435	3600	3765	3935	4100	4265	4435	4600	4765	4935	5100	5265
Free lifting height	h2(mm)	1750	1910	2080	2250	2410	2580	2750	2910	3080	3250	3410	3580	3750	3910	4080	4250

MCC16 Mast Specifications (Duplex Mast)													
Type	MCC16	16-45	16-50	16-55	16-60	16-65	16-70	16-75	16-80	16-85	16-90	16-95	
Lifting Height of Main Mast	h3(mm)	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500	
Total Lift Height	h4(mm)	6200	6700	7200	7700	8200	8700	9200	9700	10200	10700	11200	
Max.lifting Height of the Mast	h1(mm)	7130	7630	8130	8630	9130	9630	10130	10630	11130	11630	12130	
Mast retracted height	h2(mm)	3665	3915	4165	4415	4665	4915	5165	5415	5665	5915	6165	
Max.picking Height	h12+1600(mm)	6545	7045	7545	8045	8545	9045	9545	10045	10545	11045	11545	

MCC16 Mast Specifications (Triplex Full Free Mast)														
Type	MCC16	16SQ-45	16SQ-50	16SQ-55	16SQ-60	16SQ-65/16H-65	16SQ-70/16H-70	16SQ-75/16H-75	16SQ-80/16H-80	16SQ-85/16H-85	16SQ-90/16H-90	16SQ-95/16H-95		
Lift Height of Main Mast	h3(mm)	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500		
Total Lift Height	h3+h9(mm)	6200	6700	7200	7700	8200	8700	9200	9700	10200	10700	11200		
Mast Extended Height	h4(mm)	7130	7630	8130	8630	9130	9630	10130	10630	11130	11630	12130		
Mast Retracted Height	h1(mm)	2935	3105	3275	3445	3615	3785	3955	4125	4295	4475	4655		
Max.picking Height	h12+1600(mm)	6545	7045	7545	8045	8545	9045	9545	10045	10545	11045	11545		
Free Lifting Height	h2(mm)	305	475	645	815	985	1155	1325	1495	1665	1665	2025		

MCC16 Mast Specifications (Triplex Full Free Mast)									
Type	MCC16	16H-100	16H-105	16H-110	16H-115	16H-120	16H-125		
Lift Height of Main Mast	h3(mm)	10000	10500	11000	11500	12000	12500		
Total Lift Height	h3+h9(mm)	11700	12200	12700	13200	13700	14200		
Mast Extended Height	h4(mm)	12630	13130	13630	14130	14630	15130		
Mast Retracted Height	h1(mm)	4835	5015	5195	5375	5555	5735		
Max.picking Height	h12+1600(mm)	12045	12545	13045	13545	14045	14545		
Free Lifting Height	h2(mm)	2205	2385	2565	2745	2925	3105		

MCC16U Mast Specification (Duplex Mast)													
Model	MCC-U	16-45	16-50	16-55	16-60	16-65	16-70	16-75	16-80	16-85	16-90	16-95	
Lift height of main mast	h3(in)	177.2	196.8	216.5	236.2	255.9	275.6	295.3	315	334.7	354.3	374.0	
Total lift height	h3+h9(in)	244.1	263.8	283.5	303.2	322.8	342.5	362.2	381.9	401.6	421.3	440.9	
Mast extended height	h4(in)	280.7	300.4	320.1	339.8	359.5	379.1	398.8	418.5	438.2	457.9	477.6	
Mast retracted height	h1(in)	144.3	154.1	164	173.8	183.7	193.5	203.4	213.5	223	232.9	242.7	
Max. picking height	h12+63(in)	257.7	277.4	297.1	316.7	336.4	356.1	375.8	395.5	415.2	434.8	454.5	

MCC16U SQ Mast Specification (Triplex Full Free Mast)													
Model	MCC-U	16SQ-45	16SQ-50	16SQ-55	16SQ-60	16SQ-65/16H-65	16SQ-70/16H-70	16SQ-75/16H-75	16SQ-80/16H-80	16SQ-85/16H-85	16SQ-9016H-90	16SQ-9516H-95	
Lift height of main mast	h3(in)	177.2	196.8	216.5	236.2	255.9	275.6	295.3	315	334.7	354.3	374.0	
Total lift height	h3+h9(in)	244.1	263.8	283.5	303.2	322.8	342.5	362.2	381.9	401.6	421.3	440.9	
Mast extended height	h4(in)	280.7	300.4	320.1	339.8	359.5	379.1	398.8	418.5	438.2	457.9	477.6	
Mast retracted height	h1(in)	115.6	112.2	128.9	135.6	142.3	149	155.7	162.4	169.1	176.2	183.3	
Max. picking height	h12+63(in)	257.7	277.4	297.1	316.7	336.4	356.1	375.8	395.5	415.2	434.8	454.5	
Free lifting height	h2(in)	12	18.7	25.4	32.1	38.8	45.5	52.2	58.9	65.6	72.6	79.7	

MCC16U H Mast Specification (Triplex Full Free Mast)										
Model	MCC-U	16H-100	16H-105	16H-110	16H-115	16H-120	16H-125	16H-130	16H-135	
Lift height of main mast	h3(in)	393.7	413.4	433.1	452.8	472.4	492.1	511.8	531.5	
Total lift height	h3+h9(in)	460.6	480.3	500	519.7	539.4	559.1	578.7	598.4	
Mast extended height	h4(in)	497.2	516.9	536.6	556.3	576	595.7	615.4	635	
Mast retracted height	h1(in)	190.4	197.4	204.5	211.6	218.7	225.8	232.9	240	
Max. picking height	h12+63(in)	474.2	493.9	513.6	533.3	553	572.6	592.3	612	
Free lifting height	h2(in)	86.8	93.9	101	108.1	115.2	122.2	129.3		

Notice: The data in the above table is the standard model data,If you have special application or problems, please contact us.



1994

Nearly 30 years of forklift history

600+

Employees

50+

National invention patents

72000m²

Total area

Founded in 1994, Banyitong Science & Technology Developing Co., Ltd. is a high-tech enterprise specializing in designing and manufacturing high-end electric material handling equipment. The company covers an area of 72,000 square meters with 600 employees. We are one of the first batch of national "SRDI"(Specialization, Refinement, Differentiation, Innovation)small giant enterprises in Anhui Province, with a highly qualified R&D team of over 100 engineers. We're also an industrial technology R&D center in Anhui province.

"MiMA", our product brand, is interpreted as Min. Space, Max. Performance! We aim to create more excellent value for customers through our professional products and realize more fantastic dreams together with our customers.