



ELECTRIC VNA ARTICULATED TRUCKS

Store More in Your Warehouse

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Max.
lift height

12.5 m

Why choose articulated forklift?

The purpose of the articulated forklift is to unload, handle and store goods more effectively. It can load and unload the goods while bringing the goods directly to the indoor shelves, which maximizes the storage efficiency of the workers operation.

Articulated forklifts can be operated in very narrow aisle (narrow to 2 meters), increasing and maximizing the storage capacity for work operations.

MJ series articulated forklift

The new MJ series articulated forklift has a rated load of 2 tons and a maximum lifting height of 12.5 meters. It adopts a front single-drive mechanical differential bridge design, maintenance-free and full AC configuration, and a high-speed gearbox to guarantee greater climbing and relief , mainly to meet the customers' priority needs of efficiency, medium and heavy working conditions, pursuit of high lifting speed, high driving speed, large capacity battery, excellent ergonomics, easy operation, safety, and good performance.

Electric Articulated VNA Truck



Electric Articulated VNA Truck

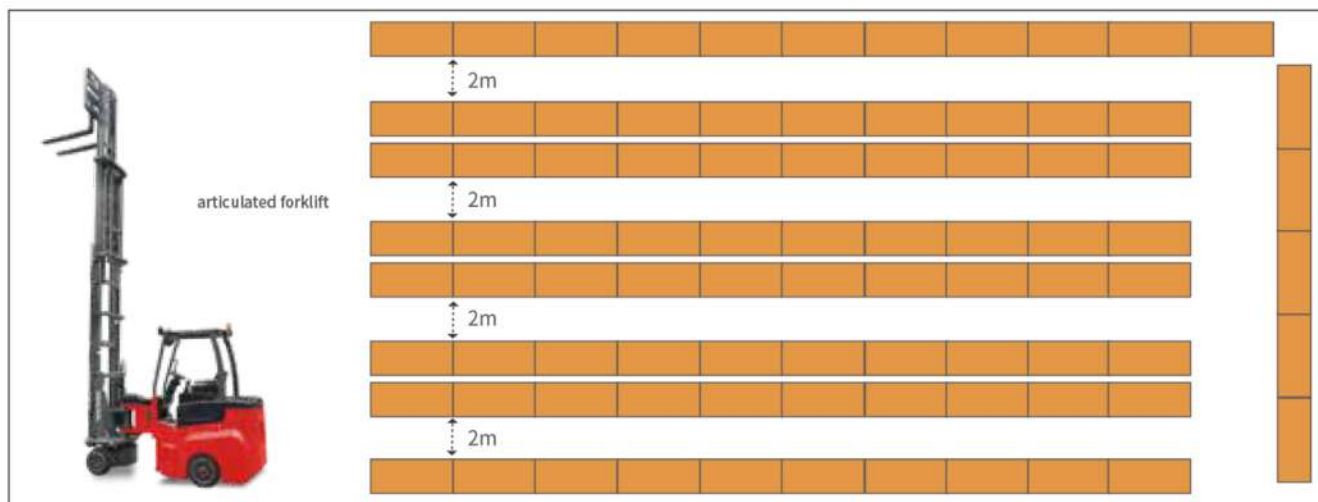


ULTRA NARROW AISLE OPERATION STORAGE CAPACITY INCREASED BY 50%

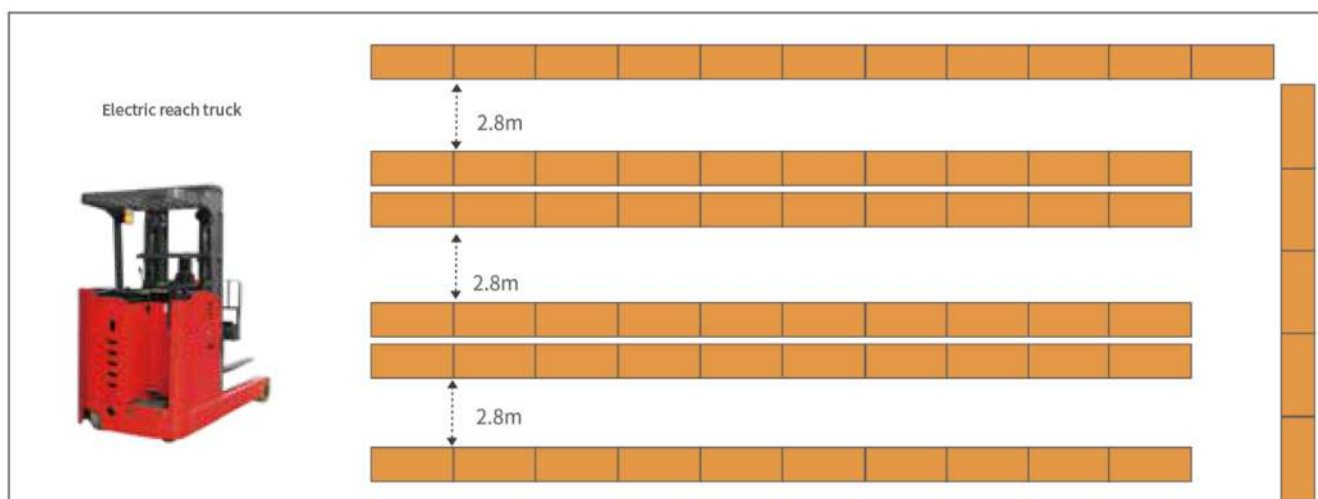
When you need extra warehouse space, you have two options: expand your existing warehouse or move to another place. But if you have a MIMA articulated forklift, you have a third option. Increase the storage capacity of the warehouse by optimizing your shelf layout and reducing the aisle width to 2.0 meters. In addition, when designing new warehouses, narrow aisle shelving is also an ideal choice, which can maximize improve the storage capacity.



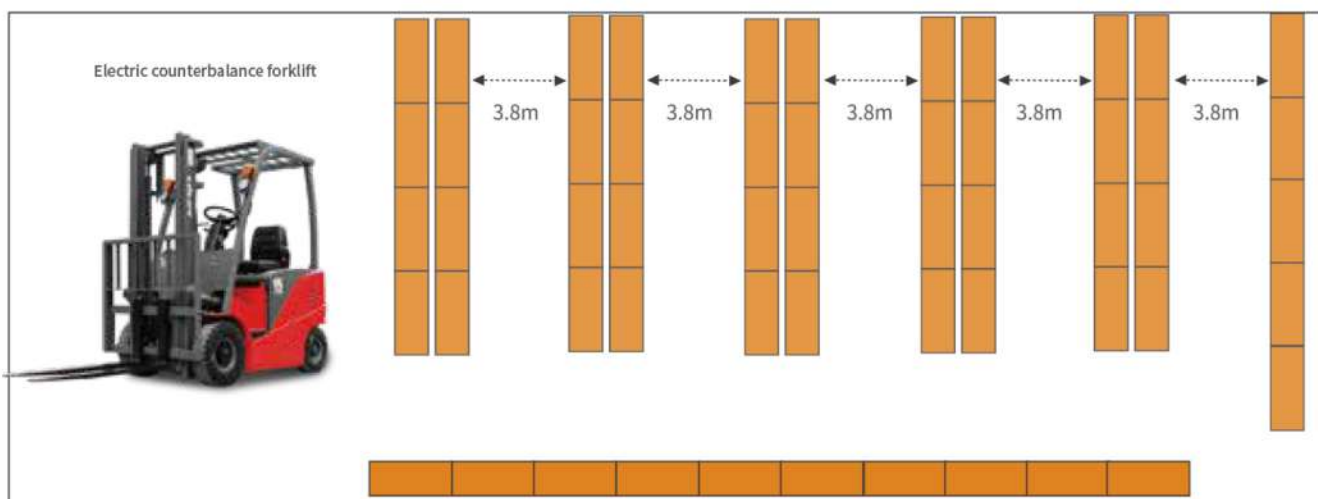
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Racking layout in ultra narrow aisle



30% more storage than reach truck



50% more storage than counterbalance forklift

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Cost saving

AC system enhance the performance of articulated forklift, increase pallet stacking capacity, improve productivity, improve acceleration and climbing ability. In addition, the maintenance is simple, the cost is low, and the downtime is reduced.

The hydraulic system is equipped with side shifter and fork positioner, which effectively improves the operation convenience and operation efficiency.

AC
driving

Strong
climbing ability

Maintenance
easily

2 ton
capacity

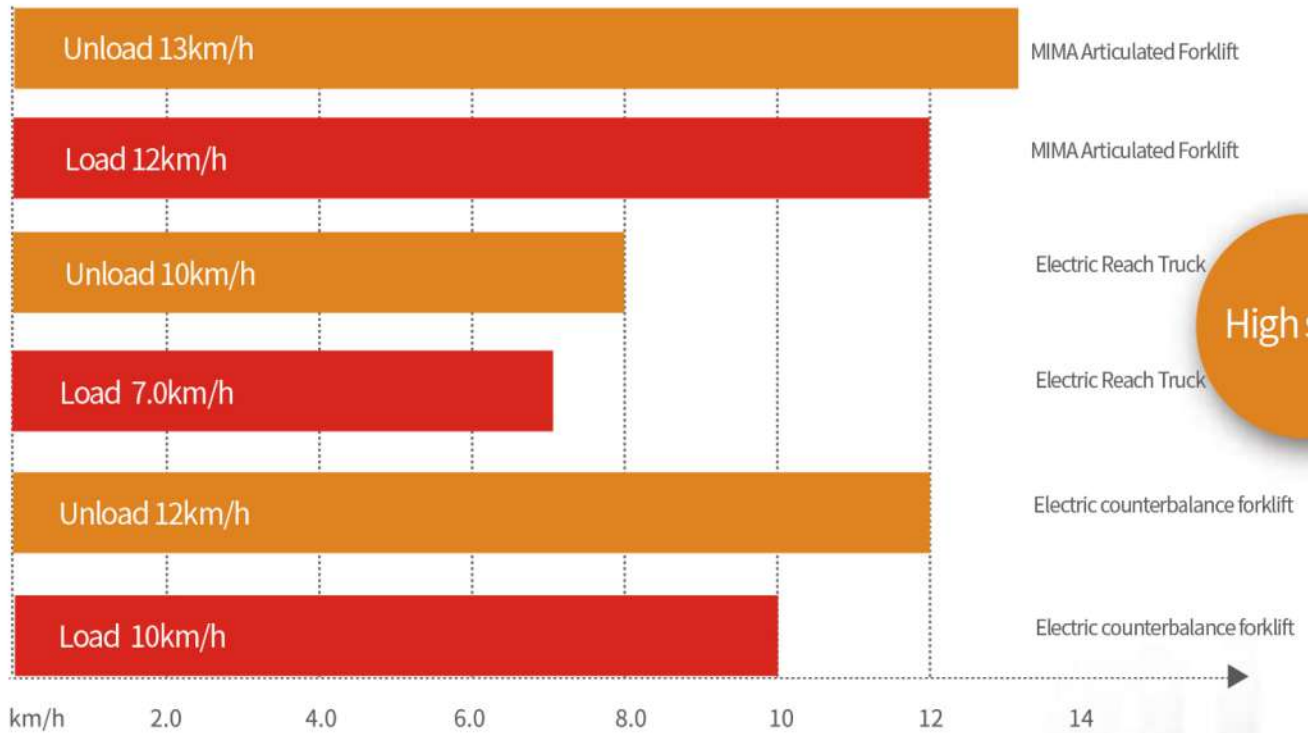
Lift Height	4600~12500mm
Rated Capacity	2000kg
Load Center	600mm
Travel Speed load/unload	12/13km/h
Max. climb ability load/unload (S2-5min)	12/15
Drive motor	AC
Lift motor	AC
Battery, Voltage/ Rated capacity	48V900AH
Service Weight(incl,battery)	6800kg



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Travel Speed load/unload



High speed



Mast swing angle

Swing angle of mast can reach 210°

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Strong
applicability

Work indoors
and outdoors

Intensive and high
capacity storage in
narrow aisles

Stacking goods
on high shelves

Can be used indoors and outdoors

It can be used conveniently both indoors and outdoors. The operator only needs an articulated forklift to transport goods from the trailer to the shelf. With large rubber tires, the operator can easily load and unload goods on semi-rough ground safely and stably without terrain restriction.

Electric Articulated VNA Truck



Comfort

Adopting new concept and novel streamlined design, the visual effect is greatly improved. This articulated forklift is a reliable choice with compact and simple appearance.

The drive motor adopts an advanced horizontal and parallel layout, which can sink battery to forklift bottom to bring low gravity center, good stability, excellent turning smoothness and operation comfort.

This series adopt wide view mast design with wireless camera and video display.

Like adjustable steering wheel and seat, these scientific ergonomic designs provide operator with the best driving posture.



Convenience

The international advanced MOSFET AC controller system enables the forklift to be controlled by computer program for walking, steering, lifting, and tilting.

The large-angle fully opened cover and removable rear door panel are convenient for battery replacement and maintenance.



Electric Articulated VNA Truck



Performance

AC motor has no maintenance cost such as replacing carbon brush. Reliability and long service life can be guaranteed with high-efficiency AC power system, complete protection functions, speed sensor and temperature sensor.

Safety is greatly improved by OPS function as standard configuration.

Equipped with high-brightness laser light, the operator can have a reliable reference when stacking in very narrow aisle.

The advanced imported Curtis controller is reliable, the high-frequency MOSFET integrated controller ensures smooth and precise walking and lifting control, excellent motor and controller control matching performance brings regenerative brake and regenerative energy (Under working conditions such as deceleration and downhill, the drive motor is converted into a generator, and the battery is reversely charged by the device, which is energy-saving and efficient), reverse brake, slope anti-skid prevention and other functions can guarantee safety and reliability greatly.



Safety

Mast big swing angle design (up to 210 degrees), which greatly reduces aisle

LED headlights, turning signals and warning lights are safe and reliable with low energy consumption, which also provide excellent night work lighting and warnings.

With ultra-low overhead guard design, this articulated forklift can work in containers and other limited spaces.



Electric Articulated VNA Truck



Standard				
1.1	Brand	BENVIK		
1.2	Model		MJ20	MJ20
1.3	Power type		Battery	Battery
1.4	Operation type		Seated	Seated
1.5	Rated capacity	Q(kg)	2000	2000
1.6	Load center	C(mm)	600	600
1.7	Front overhang	x(mm)	320	320
1.8	Wheelbase	y(mm)	1759	1759
Weight				
2.1	Service weight(Incl. battery)	kg	6800	7100
轮胎/tyre				
3.1	Wheel type		Solid tire	Solid tire
3.2	Load wheel	mm	Φ457×178	Φ457×178
3.3	Drive wheel	mm	Φ415×178	Φ415×178
3.4	Number of wheels, front/rear(x=drive wheel)		2x/2	2x/2
3.5	Wheel tread, drive side	b10(mm)	800	800
3.6	Wheel tread, load side	b11(mm)	1090	1270
尺寸/size				
4.1	Mast tilt range, forward/backward	α/β(°)	1/3	1/3
4.2	Lift height	h3(mm)	3300	3300
4.3	Lift height	h3(mm)	4600~10000	4600~12500
4.4	Overhead guard height	h6(mm)	2255	2255
4.5	Seat Height	h7(mm)	1230	1230
4.6	Overall height	L1(mm)	3870	3870
4.7	Length to fork face	L2(mm)	2800	2800
4.8	Overall width	b1/b2(mm)	980/1270	980/1450
4.9	Fork size	l/e/s(mm)	1070/122/40	1070/122/40
4.10	Installation Level		II	II
4.11	Fork carriage width	b3(mm)	990	990
4.12	Forks outside width	b5(mm)	480~890	480~890
4.13	Side shifting distance	mm	±100	±100
4.14	Mast ground clearance	m1(mm)	70	70
4.15	Body ground clearance	m2(mm)	100	100
4.16	Turning radius	Wa(mm)	2300	2300
Performance				
5.1	Driving speed (load/unload)	km/h	12/13	12/13
5.2	Max. gradeability (load/unload)	%(tanθ)	12/15	12/15
5.3	Brake type		Mechanical hydraulic type	Mechanical hydraulic type
Drive				
6.1	Driving motor(S2-60min)	kw	/	/
6.2	Lifting motor(S3-15%)	kw	/	/
6.3	Battery voltage/capacity	V/Ah	48/900	48/900
6.4	Battery weight	kg	1410	1410
6.5	Steering system		Hydraulic	Hydraulic