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PRODUCT MANUAL

of Automatic Guided Industrial Trucks





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Application Scenario

Reach type AGV is commonly used for high-level storage of materials in factories.



Characteristics

- · e-commerce, and logistics center warehouses.
- Product Features
- Compact body, occupying smaller passage space;
- 1.6/2/2.5/3 ton multi-stage capacity selection;
- Full AC motor control, high efficiency;
- · Large capacity lithium battery with long battery life;
- · Side mounted automatic charging, high reliability;
- Automatic adjustment of fork pitch to adapt to multiple types of pallets;
- Multiple protections, intelligent security;
- · Familiarized exterior design with a strong sense of technology.

TECHNICAL DATA

TECHNICAL DATA					
Model	unit	CQD16-AGV1B1LI	CQD20-AGV1B1LI	CQD25-AGV11CLI	CQD30-AGV11CLI
Туре	1	High lifting warehouse type			
Navigation method	1	Laser	Laser	Laser	Laser
Rated capacity	kg	1600	2000	2500	3000
Max. lifting height	mm	8500	8500	8500	8500
Max. Travelling speed	km/h	7	7	7	7
Min. steering radius	mm	1637	1754	1845	1925
Right angle stacking width Pallet 1200*1200mm	mm	2791	2848	2956	3002
Repetitive positioning accuracy	mm	±5	±5	±5	±5
Communication method		5G/WIFI	5G/WIFI	5G/WIFI	5G/WIFI
Battery capacity	V/Ah	48/202	48/280	80/202	80/280
Truck weight	kg	3820	3846	4400	4660
Length, width, height (with fork of truck with standard configuration)	mm	2250*1360*3928	2293*1360*3928	2458*1360*3485	2458*1360*3485

NOTE: The above parameters are for reference only, subject to actual.

01



CDD15-AGV4A5LI Stacking type AGV



Application Scenario

Stacking type AGVs are commonly used for material transfer between warehouses, production lines, and different processes on production lines.



Characteristics

- Compact body, occupying smaller passage space;
- Load capacity of 1.5 tons, 2m without load carrying reduction;
- Servo control, higher accuracy;
- · Fully proportional valve, precise fork parking;
- Identify the end fork hole and automatically adjust the fork posture;
- The combination of laser and vision ensures comprehensive safety;
- Familiarized exterior design with a strong sense of technology.

TECHNICAL DATA		
Model	unit	CDD15-AGV4A5LI
Туре	/	Stacking type
Navigation method	1	Laser
Rated capacity	kg	1500
Max. lifting height	mm	2000
Max. Travelling speed	km/h	5
Min. steering radius	mm	1218
Right angle stacking width Pallet 1200*1200mm	mm	2200
Repetitive positioning accuracy	mm	±10
Communication method	/	5G/WIFI
Battery capacity	V/Ah	24/100
Truck weight	kg	800
Length, width, height (with fork of truck with standard configuration)	mm	1670*856*1960

NOTE:The above parameters are for reference only, subject to actua



CDD16-AGV1C1LI

Stacking type AGV



Application Scenario

Stacking type AGVs are commonly used for material transfer between warehouses, production lines, and different processes on production lines.



Characteristics

- · Compact body, occupying smaller passage space;
- Load capacity of 1.6 tons, 3m without load carrying reduction;
- · Side mounted automatic charging, integrated charger;
- Equipped with maintenance free AC steering motor;
- · Multiple protections, intelligent security;
- · Familiarized exterior design with a strong sense of technology.

TECHNICAL DATA

Model	unit	CDD16-AGV1C1LI
Туре	1	Stacking type
Navigation method	/	Laser
Rated capacity	kg	1600
Max. lifting height	mm	3600
Max. Travelling speed	km/h	4
Min. steering radius	mm	1340
Right angle stacking width Pallet 1200*1200mm	mm	2366
Repetitive positioning accuracy	mm	±5
Communication method	/	5G/WIFI
Battery capacity	V/Ah	24/173
Truck weight	kg	1090
Length, width, height (with fork of truck with standard configuration)	mm	1832*1010*2285

NOTE: The above parameters are for reference only, subject to actual.

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CPD10SQ-AGV1A1LICounterbalanced type AGV



Application Scenario

Counterbalanced type AGVs are commonly used for material transportation in narrow areas.



Characteristics

- Omnidirectional driving, flexible operation;
- Load capacity of 1 ton, 2.9m without load carrying reduction;
- Large capacity lithium battery with long battery life;
- Side mounted automatic charging, integrated charger;
- Multiple protections, intelligent security;
- Familiarized exterior design with a strong sense of technology.

TECHNICAL DATA		
Model	unit	CPD10SQ-AGV1A1LI
Туре	/	Counterbalanced type
Navigation method	1	Laser
Rated capacity	kg	1000
Max. lifting height	mm	4000
Max. Travelling speed	km/h	5
Min. steering radius	mm	1250
Right angle stacking width Pallet 1200*1200mm	mm	2840
Repetitive positioning accuracy	mm	±5
Communication method	/	5G/WIFI
Battery capacity	V/Ah	24V/280Ah
Truck weight	kg	2450
Length, width, height (with fork of truck with standard configuration)	mm	2430*1296*2500

NOTE: The above parameters are for reference only, subject to actual



CPD35SQ-AGV1A1LICounterbalanced type AGV



Application Scenario

Three wheeled counterbalanced type AGV is commonly used for cargo loading, unloading, and indoor and outdoor material transfer.



Characteristics

- Small turning radius and strong passing ability;
- Load capacity of 3.5 tons, 3m without load carrying reduction;
- · Front wheel dual drive, strong power;
- · Large capacity lithium battery with long battery life;
- · Side mounted automatic charging, integrated charger;
- Double side open door hood for more convenient repair and maintenance:
- Rubber tires for easy switching between indoor and outdoor operations;
- Multiple protections, intelligent security;
- Familiarized exterior design with a strong sense of technology.

TECHNICAL DATA		
Model	unit	CPD35SQ-AGV1A1LI
Туре		Counterbalanced type
Navigation method	1	Laser
Rated capacity	kg	3500
Max. lifting height	mm	5500
Max. Travelling speed	km/h	5
Min. steering radius	mm	1920
Right angle stacking width Pallet 1200*1200mm	mm	3872
Repetitive positioning accuracy	mm	±5
Communication method		5G/WIFI
Battery capacity	V/Ah	80/404
Truck weight	kg	5300
Length, width, height (with fork of truck with standard configuration)	mm	3421*1223*2430

NOTE: The above parameters are for reference only, subject to actual.



CTD40-AGV11BLI CTD60-AGV1A1LI

Straddle stacking AGV



Application Scenario

The straddle stacking AGV is commonly used for the transportation of heavy goods.



Characteristics

- Maximum load capacity of 6 tons, 3.5m without load carrying reduction;
- · Wide legs can be customized for smooth handling of heavy goods;
- · Large capacity lithium battery with long battery life;
- · Multiple protections, intelligent security;
- Familiarized exterior design with a strong sense of technology.

TECHNICAL DATA				
Model	Unit	CTD40-AGV11BLI	CTD60-AGV1A1LI	
Туре	1	Straddle stacking		
Navigation method	/	Laser	Laser	
Rated capacity	kg	4000	6000	
Max. lifting height	mm	5000	5000	
Max. Travelling speed	km/h	7	7	
Min. steering radius	mm	1770	2124	
Right angle stacking width Pallet 1200*1200mm	mm	2815	3225	
Repetitive positioning accuracy	mm	±5	±5	
Communication method	1	5G/WIFI	5G/WIFI	
Battery capacity	V/Ah	48/404	80/404	
Truck weight	kg	3400	4650	
Length, width, height (without fork of truck with standard configuration)	mm	1960*1270*2476	2321*1270*2270	
Leg width	/	can be customized	can be customized	

NOTE: The above parameters are for reference only, subject to actual.





Application Scenario



Characteristics

- · The truck body is compact and occupies minimal passage space.
- Load capacity of 1.5 tons/2 tons, lifting height of 205mm;
- · Servo control, higher accuracy;
- · The combination of laser and vision ensures comprehensive safety;
- · Familiarized exterior design with a strong sense of technology.

Handling type AGVs are commonly used for point-to-point material transfer between ground level warehouses, production lines, and different processes on production lines.

TECHNICAL DATA				
Model	Unit	CBD15-AGV4B1LI	CBD20-AGV4B1LI	
Туре	1	Handling type	Handling type	
Navigation method	1	Laser	Laser	
Rated capacity	kg	1500	2000	
Max. Travelling speed	km/h	5	5	
Min. steering radius	mm	1456	1456	
Right angle stacking width Pallet 1200*1200mm	mm	2208	2208	
Repetitive positioning accuracy	mm	±10	±10	
Communication method	/	WIFI	WIFI	
Battery capacity	V/Ah	48/40	48/40	
Truck weight	kg	390	390	
Length, width, height (with fork of truck with standard configuration)	mm	1644x932x1904	1644x932x1904	

NOTE: The above parameters are for reference only, subject to actual.



Application Scenario

Handling type AGVs are commonly used for point-to-point material transfer between ground level warehouses, production lines, and different processes on production lines.



Characteristics

- · Load capacity of 3 tons, lifting height of 205mm;
- · Large capacity lithium battery with long battery life;
- · Multiple protections, intelligent security.

Model	
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TECHNICAL DATA

Туре	1	Handling type
Navigation method	1	Laser
Rated capacity	kg	3000
Max. Travelling speed	km/h	4
Min. steering radius	mm	2264
Right angle stacking width Pallet 1200*1200mm	mm	2598
Repetitive positioning accuracy	mm	±5
Communication method	1	5G/WIFI
Battery capacity	V/Ah	24/272
Truck weight	kg	737
Length, width, height	177.177	2424*050*2045

CBD30-AGV11ALI

NOTE: The above parameters are for reference only, subject to actual.



QFD-AGV Latent top up AGV



Application Scenario

After receiving the task, the latent top up AGV moves to the bottom of the shelf or bracket, and the lifting platform rises to support the goods, achieving the transportation of goods to people. The manual picking operation is carried out on the workbench based on the displayed information of the goods. After completion, the AGV moves the shelves to the warehouse. The powerful scheduling system and Warehouse management system can support large-scale, multi SKU, fast response, sporadic picking and other job scenarios.



Characteristics

· Powerful scheduling system:

Accurate and efficient navigation methods;

Multi vehicle and multi scene scheduling management, intelligent traffic management, real-time path planning, and efficient sorting.

Based on Al dynamic storage in the warehouse:

Based on the picking frequency of goods in the warehouse, intelligent classification of goods is carried out to optimize the shelf layout of popular and unsold goods, resulting in efficiency improvement and inventory structure optimization.

• With an accuracy rate of over 99.97%:

Reduce manual intervention and judgment, and extensively utilize real-time and traceable warehouse management systems of lighting, color, and error prevention management. Reduce order errors and improve service levels.

· Safe and reliable operation:

Adopting high-performance safety batteries, advanced radar obstacle avoidance and safety contact protection technology, and built-in fire extinguisher device.

Model	Unit	OFD-AGV
Type	/	Latent top up
Navigation method	/	SLAM/QR code
Rated capacity (Customized)	kg	500
Max. Travelling speed	km/h	6
Min. steering radius	mm	In-place rotation
Repetitive positioning accuracy	mm	±5
Communication method	1	5G/WIFI
Battery capacity	V/Ah	48/40
Truck weight (standard configuration)	kg	200

NOTE: The above parameters are for reference only, subject to actual