

HUAYA

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华亚重工

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About us 关于我们

Xingtai Huaya Machine Tool Manufacturing Co., LTD is a heavy equipment manufacturing enterprise. Since the first machine was manufactured in 1996, through continuous efforts and innovation, it has grown into an enterprise with five subsidiaries. The company covers an area of 200,000 square meters and have more than 600 employees. At present, it is a large scale, complete industrial chain, comprehensive strength and good economic benefits of engineering equipment R&D, manufacturing and export base. The persistent pursuit of reliable quality is the consistent philosophy of Huaya, also the key to the development and growth of Huaya.

Excellence is the bridge to the world. As the source of lean production, Huaya is committed to quality improvement and continuously meets the needs of customers. From point to surface, from detail to whole, from production to management. Huaya carries the value mission of the future and committed to contributing to world-class brands.

HUAYA has a first-class R & D team, a first-class manufacturing team and a first-class after-sales service team. It passed ISO9001 international quality management system certification, and passed CE, EAC, TUV, EPA4 engine, EURO3 engine, EURO5 engine certificates to meet customer requirements, The products of HUAYA are always in sync with the advanced level of the world and shaping a new image of HUAYA.

We firmly believe that the best service is to provide the most suitable products and solutions after fully understanding you.

邢台华亚机床制造有限公司是一家重型装备制造企业。自1996年制造第一台机器以来，经过不断的努力和创新，现已发展成为拥有5家子公司的企业。公司占地面积20万平方米，员工600余人。目前是规模大、产业链完整、综合实力和经济效益好的工程装备研发、制造和出口基地。对可靠品质的执着追求是华亚一贯的理念，也是华亚得以发展壮大关键。

卓越是通向世界的桥梁。华亚作为精益生产之源，致力于品质提升，不断满足客户需求。从点到面，从细节到整体，从生产到管理。华亚承载着面向未来的价值使命，致力于为世界一流品牌做贡献。

华亚拥有一流的研发团队、一流的制造团队和一流的售后服务团队。通过了ISO9001国际质量管理体系认证，并通过了CE、EAC、TUV、EPA4发动机、EURO3发动机、EURO5发动机证书以满足客户要求，华亚产品始终与世界先进水平同步，塑造全新华亚形象。

我们坚信，最好的服务是在充分了解您后提供最合适的产品和解决方案。

HUAYA CARRY THE FUTURE
胜出，必有所长

After-sales service



The Warranty period is either 1 year or 1200 working hours upon receipt whichever comes first.



English-speaking service team is standby to answer any questions you meet while machine is in use.



We guarantee that all your questions will be answered within 12 hours.



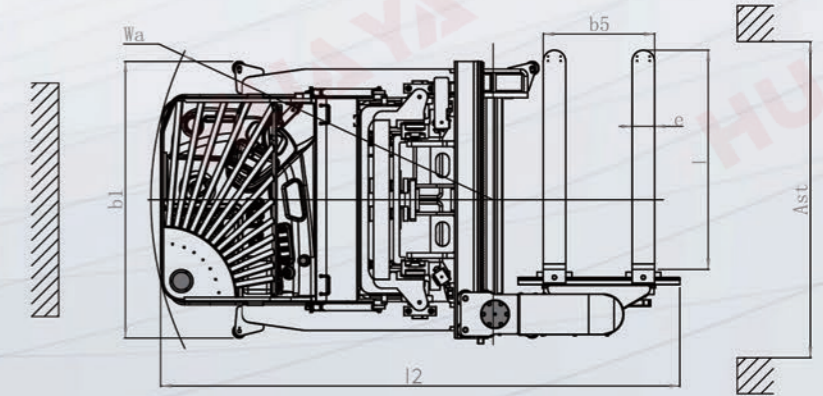
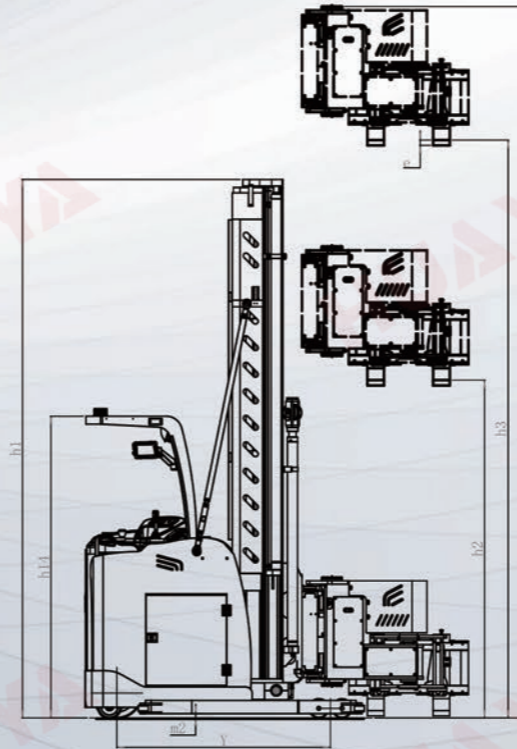
Parts in need will be delivered either by air or sea upon request.



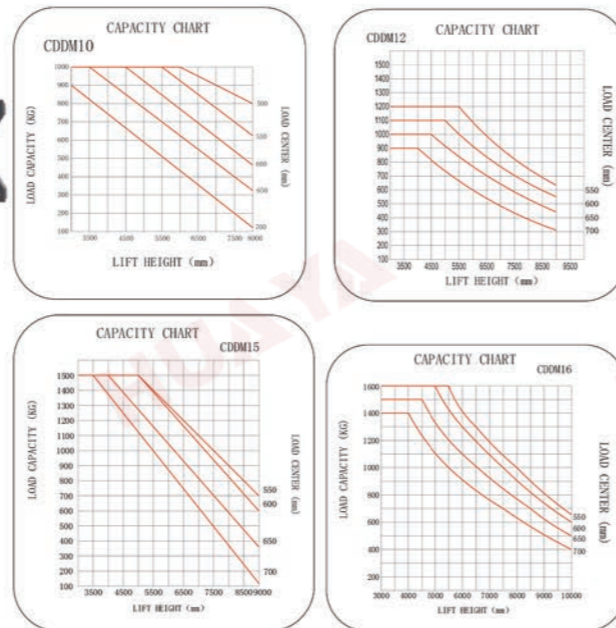
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01 Electric Industrial Vehicles

3-way Electric Pallet Stacker CDDM (Side-standing Type)



- Without turning the vehicle body, three-way pallet stacker series can access goods in rotation, to left, right to load or unload the goods;
- Intensive storage, optimal to enlarge the warehouse capacity. The min. aisle width is only 1500mm. Outstanding performance of sorting, material handling, stacking in narrow aisles. It saves the space and enlarges the warehouse capacity greatly;
- Guide rail wheel appliance achieves steering control automation, allowing vehicle to smoothly pass even the narrowest aisles;
- Equipped with branded control system and multi-functional protection system, it offers a higher level functional safety;
- Equipped with high-strength German Krupp steel mast, not easy to deform, steady operate. Optimized mast reduces the lifting and lowering vibration to offer a great operation comfort;
- Equipped with camera, electronic display, timing, fault display and excellent digit transmission LED, it shows real-time vehicle operation status for troubleshooting and maintenance conveniently;
- Customized electromagnetic navigation/laser navigation AGV.



Load Capacity: 1T/1.2T/1.5T/1.6T
Lifting Height: 10m

	1.1	Model	CDDM10-60S	CDDM12-60S	CDDM15-60S	CDDM16-60S		
Characteristic	1.2	Power	Electric	Electric	Electric	Electric		
	1.3	Operation (manual, walkie, rider, order picker)	Side-standing	Side-standing	Side-standing	Side-standing		
	1.4	Rated load	Q(kg)	1000	1200	1500	1600	
	1.5	Load center distance	C(mm)	500	500	600	600	
	Weight	2.1	Service weight (incl. battery)	kg	5100	5200	6300	6500
Wheel/Chassis	3.1	Wheel type	PU	PU	PU	PU		
	3.2	Drive wheel specifications	×w(mm)	Φ382*142	Φ382*142	Φ382*142	Φ382*142	
	3.3	The front wheel specification	×w(mm)	Φ145*100	Φ145*100	Φ145*100	Φ145*100	
	3.4	The balance wheel specification	×w(mm)	Φ180*76	Φ180*76	Φ180*76	Φ180*76	
	3.5	Tread, front	b10(mm)	1210	1210	1305	1305	
	4.1	Mast height, lowered	h1(mm)	3400	3400	3400	3400	
	4.2	Free lifting height	h2(mm)	2235	2235	2235	2235	
	4.3	Lift height	h3(mm)	6000	6000	6000	6000	
	4.4	Mast height, extended	h4(mm)	7125	7125	7125	7125	
	4.5	Overhead guard height	h14(mm)	2260/2300	2260/2300	2260/2300	2260/2300	
	4.6	Length (forks rotate on both left and right sides)	l2(mm)	3045	3045	3065	3065	
	4.7	Vehicle width	b1(mm)	1455	1455	1550	1550	
	4.8	Anti-collision guardrail width	(mm)	1500	1500	1600	1600	
	4.9	Forks dimensions	s/e/l(mm)	40/122/1070	40/122/1070	45/125/1200	45/125/1200	
	4.10	Forks adjustment dimensions	b5(mm)	260-650 (Customized)	260-650 (Customized)	260-650 (Customized)	260-650 (Customized)	
Dimensions	4.11	The min. ground clearance (wheelbase center)	m2(mm)	32	32	32	32	
	4.12	Stacking aisle width	Ast(mm)	1500 (1000*1000 pallet)	1500 (1000*1000 pallet)	1600 (1200*1200 pallet)	1600 (1200*1200 pallet)	
	4.13	Aisle guide rail width	(mm)	120	120	120	120	
	4.14	The min. turning radius	Wa(mm)	1985	1985	1985	1985	
	4.15	The main aisle width		3270+400	3270+400	3470+400	3470+400	
	Performance	5.1	The max. travelling speed, unladen/full-loaded	km/h	8/7	8/7	8/7	8/7
		5.2	Lift speed, unladen/full-loaded		0.30/0.26	0.30/0.26	0.30/0.26	0.30/0.26
		5.3	Lower speed, unladen/full-loaded		0.30/0.32	0.30/0.32	0.36/0.39	0.36/0.39
		5.4	Service brake		Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic
	Motor	6.1	Drive motor power		6.5 AC	6.5 AC	6.5 AC	6.5 AC
		6.2	Lift motor power		15 AC	15 AC	15 AC	15 AC
		6.3	Battery type		Lead-acid	Lead-acid	Lead-acid	Lead-acid
		6.4	Battery voltage/capacity	V/Ah	48/400	48/400	48/400	48/400
		6.5	Motor	V/A	48/50	48/50	48/50	48/50
	Others	7.1	Drive control mode		AC	AC	AC	AC

The data is for reference only, please take the real object as references

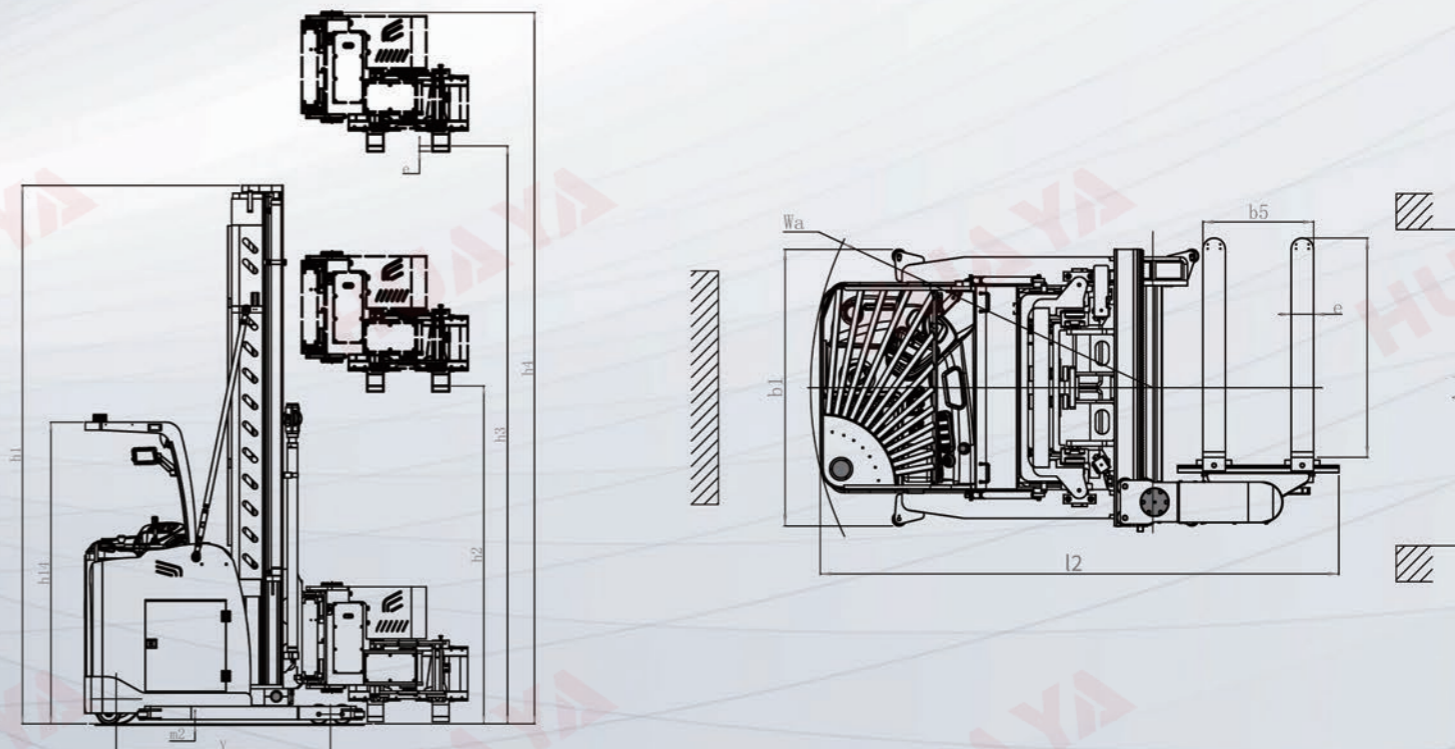
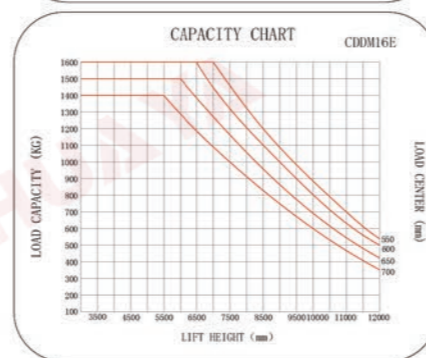
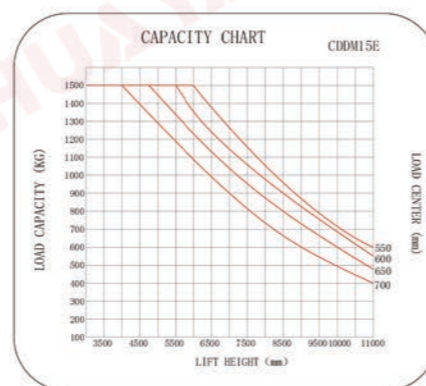


3-way Electric Pallet Stacker CDDM-E (Seated type)

Load Capacity: 1.5T/1.6T

Lifting Height: 12m

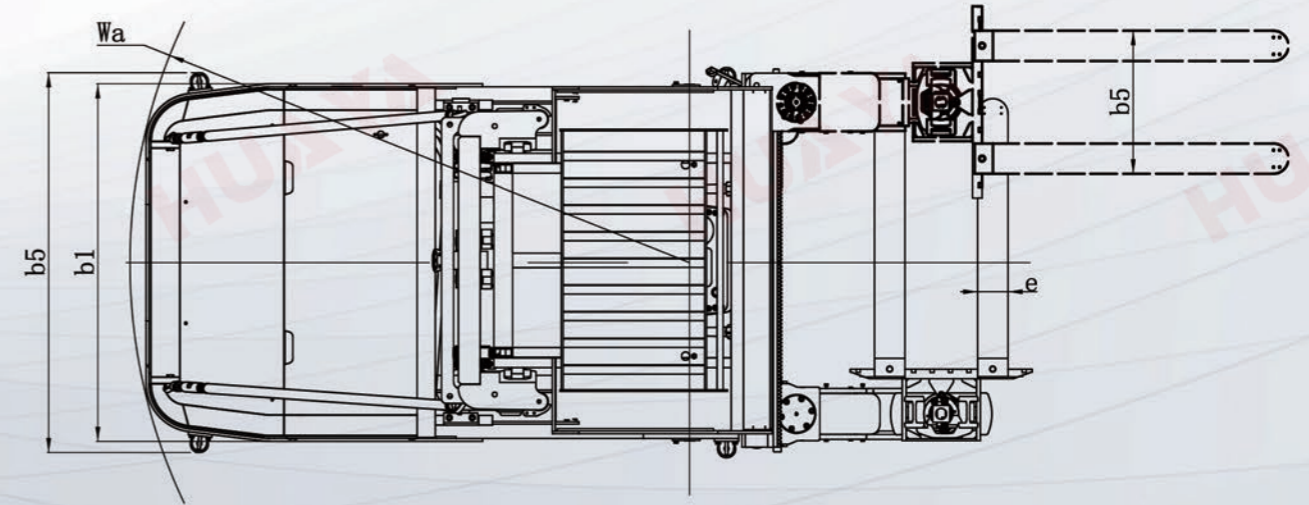
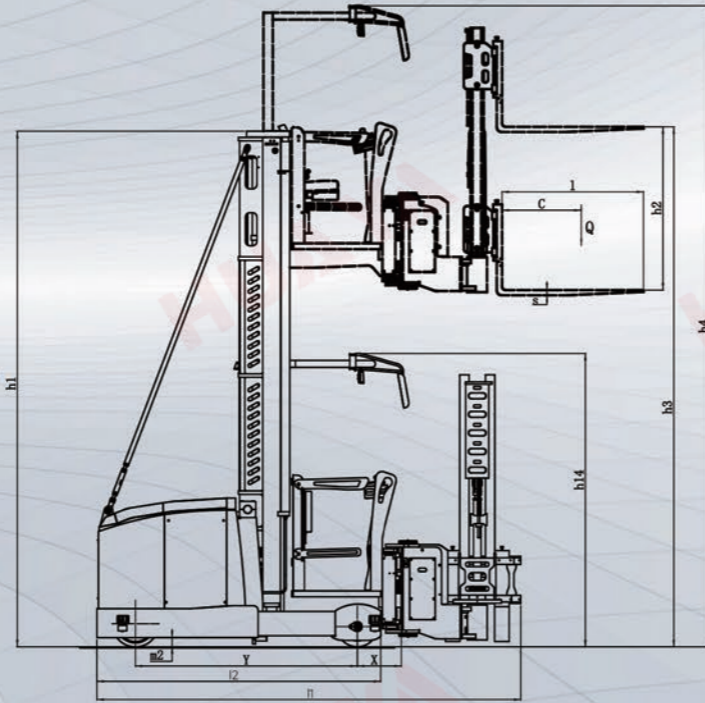
- Without turning the vehicle body, three-way pallet stacker series can access goods in rotation, to left, right to load or unload the goods;
- Intensive storage, optimal to enlarge the warehouse capacity. The min. aisle width is only 1600mm. Outstanding performance of sorting, material handling, stacking in narrow aisles. It saves the space and enlarges the warehouse capacity greatly;
- Guide rail wheel appliance achieves steering control automation, allowing vehicle to smoothly pass even the narrowest aisles;
- Equipped with branded control system and multi-functional protection system, it offers a higher level functional safety;
- Equipped with high-strength German Krupp steel mast, not easy to deform, steady operate. Optimized mast reduces the lifting and lowering vibration to offer a great operation comfort;
- Equipped with camera, electronic display, timing, fault display and excellent digit transmission LED, it shows real-time vehicle operation status for trouble shooting and maintenance easily;
- Customized electromagnetic navigation/laser navigation AGV.



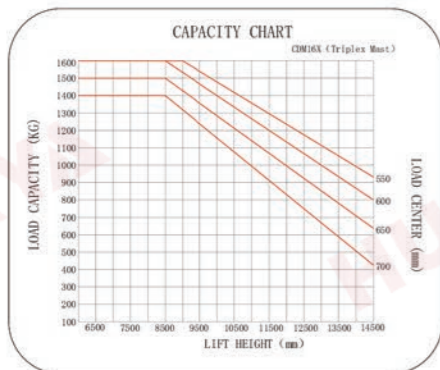
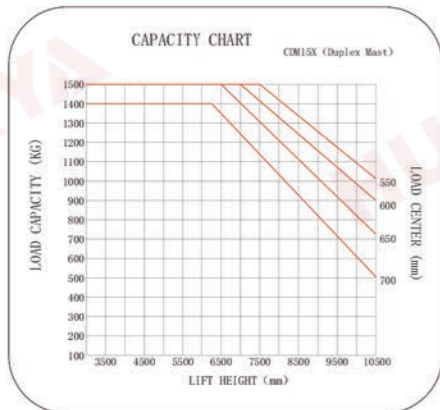
Characteristic	CDDM15E-60S		CDDM16E-60S	
	Value	Unit	Value	Unit
1.1 Model	CDDM15E-60S		CDDM16E-60S	
1.2 Power	Electric		Electric	
1.3 Operation (manual, walkie, rider, order picker)	Seated Type		Seated Type	
1.4 Rated load capacity	Q(kg)	1500	1600	
1.5 Load center distance	C(mm)	600	600	
2.1 Service weight (incl. battery)	kg	<6500	<6600	
3.1 Wheel type		PU	PU	
3.2 Drive wheel specifications	× w(mm)	Φ400*160	Φ400*160	
3.3 The front wheel specification	× w(mm)	Φ145*100	Φ145*100	
3.4 The balance wheel specification	× w(mm)	1700	1700	
3.5 Tread, front	b10(mm)	1305	1305	
4.1 Mast height, lowered	h1(mm)	3400	3400	
4.2 Free lifting height	h2(mm)	2235	2235	
4.3 lift height	h3(mm)	6000	6000	
4.4 Mast height, extended	h4(mm)	7125	7125	
4.5 Overhead guard height	h14(mm)	2180	2250	
4.6 Length (forks rotate on both left and right sides)	l2(mm)	2960	3330	
4.7 Vehicle width	b1(mm)	1550	1550	
4.8 Anti-collision guardrail width	(mm)	1600	1600	
4.9 Forks dimensions	s/e/l(mm)	45/125/1200	45/125/1200	
4.10 Forks adjustment dimensions	b5(mm)	260-650 (Customized)	260-650 (Customized)	
4.11 The min. ground clearance (wheelbase center)	m2(mm)	32	32	
4.12 Stacking aisle width	Ast(mm)	1600 (1200*1200 pallet)	1600 (1200*1200 pallet)	
4.13 Aisle guide rail width	(mm)	120	120	
4.14 The min. turning radius	Wa(mm)	2020	2080	
4.15 The main aisle width		3595+400	3595+400	
5.1 The max. travelling speed, unladen/full-loaded	km/h	8/7	8/7	
5.2 Lift speed, unladen/full-loaded		0.30/0.26	0.30/0.30	
5.3 Lower speed, unladen/full-loaded		0.36/0.39	0.34/0.34	
5.4 Service brake		Electromagnetic	Electromagnetic	
6.1 Drive motor power		8 AC	8 AC	
6.2 Lift motor power		15 AC	15 AC	
6.3 Battery type		Lead-acid	Lead-acid	
6.4 Battery voltage/capacity	V/Ah	48/400	48/400	
6.5 Motor	V/A	48/50	48/50	
7.1 Drive control mode		AC	AC	

The data is for reference only, please take the real object as references

3-way Electric Stacker Forklift (Man-up) CDMX



- Without turning the vehicle body, it can access goods in rotation, in side-shifting, to left, right, front to load or unload the goods;
- Equipped with high-strength German Krupp steel mast, light weight and good craft skill. Steady lifting operation and good maneuverability; Gravity center is greatly reduced;
- Lifting classification control with main mast and side mast working separately;
- Equipped with AC controller, operational handler, and instrument;
- Electrolyte proportional hydraulic control unit;

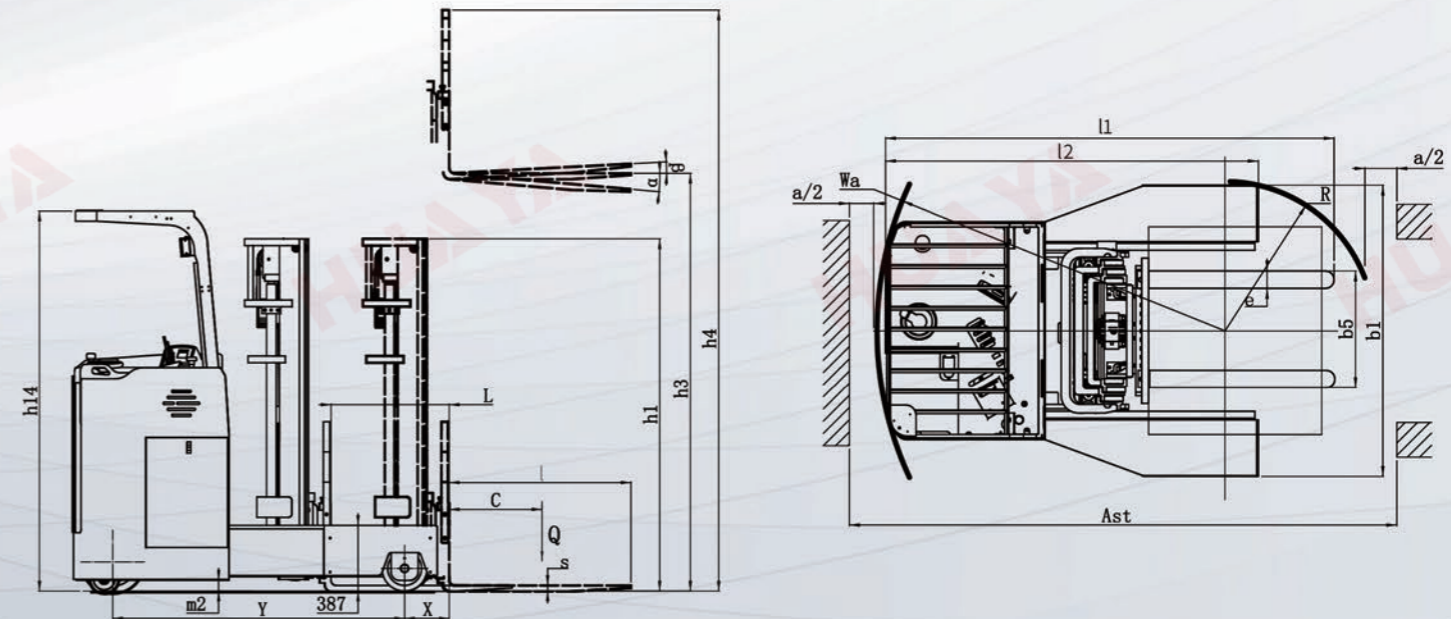


Load Capacity: 1.5T/1.6T
Lifting Height: 14.5m



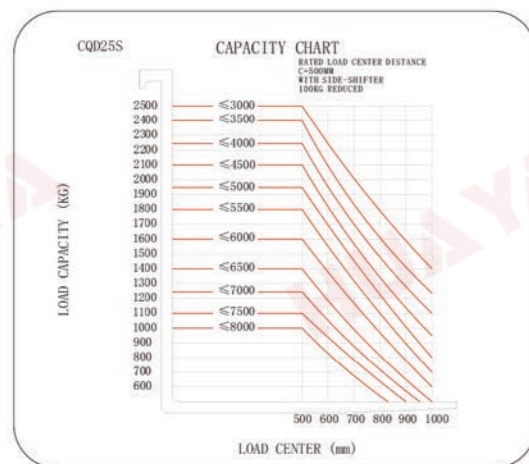
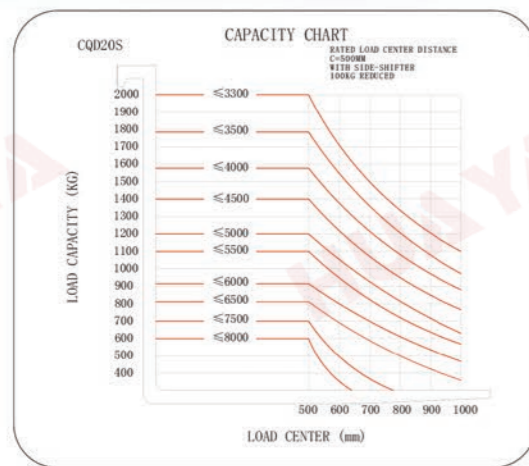
	1.1	Model		CDMX15-100	CDMX16-100
Characteristic	1.2	Rated load capacity	Q(kg)	1500	1600
	1.3	Load center distance	C(mm)	600	600
	1.4	The front overhang distance	X(mm)	430	430
	1.5	Wheelbase	Y(mm)	1928	2250
	Weight	2.1	Service weight (incl. battery)	kg	8600
3.1		Wheel type		PU	PU
Wheel/ Chassis	3.2	The front wheel specification	ø×w(mm)	Φ350*200	Φ350*200
	3.3	Drive wheel specification	ø×w(mm)	Φ400*160	Φ400*160
	3.4	Tread, front	b10(mm)	1190	1310
	3.5	Wheel numbers (the front wheel/drive wheel)		2/1X	2/1X
	Dimensions	4.1	Mast height, lowered	h1(mm)	5800
4.2		Free lifting height	h2(mm)	1500	1500
4.3		Lift height	h3(mm)	10000	10000
4.4		Mast height, extended	h4(mm)	10995	11130
4.5		Overhead guard height	h14(mm)	2490	2490
4.6		Distance from forks rotation center to front axle center	l2(mm)	1086	1086
4.7		Overall vehicle length	l1(mm)	3706	3706
4.8		Platform distance from the ground	h13(mm)	435	435
4.9		Vehicle body width	b1(mm)	1549	1505
4.10		Forks dimensions	s/e/l(mm)	45/125/1220	45/125/1220
4.11		Tranning wheels outer width	b5(mm)	1609	1575
4.12		The min. ground clearance (wheelbase center)	m2(mm)	80	80
4.13		Stacking aisle width, pallet 1200mm×1200mm	Ast(mm)	1700	1650
4.14		Main aisle width	mm	4155+400	4400+400
4.15		Guide rail width	mm	180	180
4.16		The min. turning radius	Wa(mm)	2306	2535
4.17		Forks outer width	b5(mm)	260-720	260-720
Performance	5.1	Travelling speed, unladen/full-loaded	km/h	8/7	10/10
	5.2	Lift speed, unladen/full-loaded	m/s	0.32/0.3	0.32/0.32
	5.3	Lower speed, unladen/full-loaded	m/s	0.35/0.45	0.38/0.4
	5.4	The max. gradability, unladen/ full-loaded	%	≤8	≤8
	5.5	Drive brake		Electromagnetic	Electromagnetic
Motor	6.1	Drive motor power	kw	8 AC	8 AC
	6.2	Lift motor power	kw	15 AC	21 AC
	6.3	Battery type		Lead-acid	Lead-acid
	6.4	Battery voltage/capacity	V/Ah	48/540	80V/700Ah
	6.5	Motor	V/A	48/75	80V/100A
Others	7.1	Drive control mode		AC	AC
	7.2	Noise level at driver's ears according to En12053	dB(A)	75	75

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Four-directional Forklift CQDS

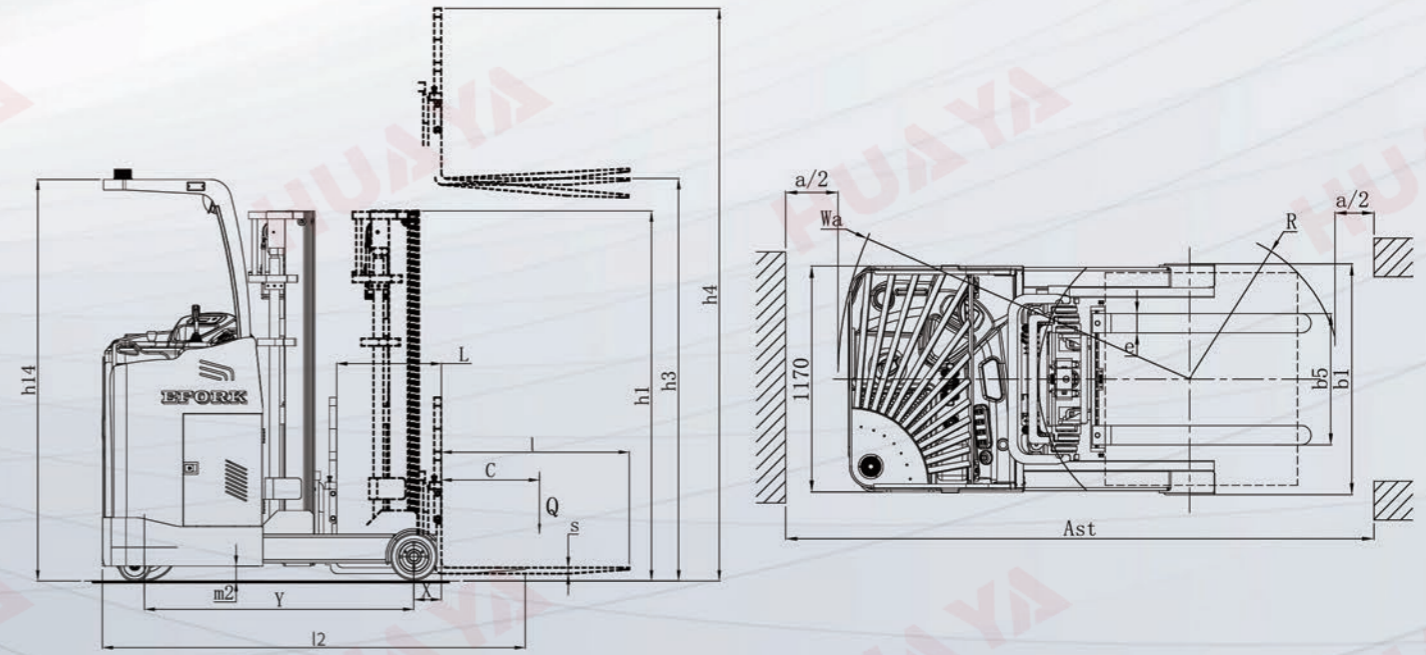
- Four-way driving, suits for VNA stacking operation, especially the long material handling, greatly saving the warehouse storage space, it can switch from straight line driving to lateral driving quickly with easy operation. High efficiency and less fault;
- Equipped with branded control system and multi-functional protection system, it offers higher level functional safety;
- Equipped with smart HD display instrument, offering real-time vehicle operation status and fault display, it is easy for troubleshooting and maintenance;
- It adopts full AC drive system, with quicker response and more accurate control, further improving the vehicle performance;
- Equipped with EPS steering system, with easy and flexible operation, improving the operational stability in high speed;
- It displays real-time drive wheel angle, easy for the fine-tuning inner VNA, safe, reasonable and accurate;
- Specialised large-capacity power battery, with strong power, safe and reliable, easy for charging. Long endurance and low maintenance cost;
- Side-pull battery suits multi-shifting occasions, with standard roller cart for easy change;
- Electromagnetic brake features in quick parking and automatic brake.



	1.1	Model	CQDS15-45S	CQDS20-45S	CQDS25-45S	
Characteristic	1.2	Operation (Manual, walkie, side-standing, picker)	Side-standing	Side-standing	Side-standing	
	1.3	Rated load capacity	Q(kg)	1500	2000	2500
	1.4	Load center distance	C(mm)	500	500	500
	1.5	Wheelbase	Y(mm)	1622	1722	1822
	1.6	The front overhang distance	X(mm)	200	200	200
	Weight	2.1	Service weight (incl. battery)	kg	3400	3500
3.1		Wheel type	PU	PU	PU	
Wheel/Chassis	3.2	The front wheel specification	φ×w(mm)	φ267*114	φ267*114	φ267*114
	3.3	Drive wheel specification	φ×w(mm)	φ382*142	φ382*142	φ382*142
	3.4	Balance wheel specification	φ×w(mm)	φ180*76	φ180*76	φ180*76
	3.5	Tread, front	b10(mm)	1430	1430	1430
	4.1	Tread, rear	b11(mm)	703	703	703
Dimensions	4.2	Vehicle height, mast retracted	h1(mm)	2110	2110	2360
	4.3	Free lifting height	h2(mm)	1500	1500	1500
	4.4	Lift height	h3(mm)	4500	4500	4500
	4.5	Mast height, extended	h4(mm)	5480	5480	5480
	4.6	Overhead guard height	h14(mm)	2280	2280	2280
	4.7	Forks height, mast retracted	h13(mm)	35	40	45
	4.8	Mast/forks tilting angle (the front/the rear)	α/β(°)	3/5	3/5	3/5
	4.9	Overall vehicle length (incl. forks)	l1(mm)	2505	2585	2700
	4.10	Vehicle body length (excl. forks)	l2(mm)	2046	2146	2246
	4.11	Vehicle body width	b1(mm)	1680	1680	1680
	4.12	Forks dimensions	s/e/l(mm)	35/100/1070	40/122/1070	45/125/1070
	4.13	Forks adjustment dimensions	b5(mm)	210-705	260-705	270-840
	4.14	Forward moving distance	L(mm)	655	700	640
	4.15	The min. ground clearance (wheelbase center)	m2(mm)	80	80	80
	4.16	Stacking aisle width, pallet1000×1200(1200 across forks)	Ast(mm)	2705	2785	2900
	Performance	5.1	The min. turning radius	Wa(mm)	1905	2000
5.2		Travelling speed, unladen/ full-loaded	km/h	8/7	8/7	8/7
5.3		Lift speed, unladen/ full-loaded	m/s	0.320/0.260	0.350/0.240	0.330/0.240
5.4		Lower speed, unladen/ full-loaded	m/s	0.350/0.380	0.320/0.400	0.320/0.400
5.5		The max. gradability, unladen/ full-loaded	%	≤10	≤10	≤10
5.6		Service brake		Electromagnetic	Electromagnetic	Electromagnetic
Motor	6.1	Drive motor power	kw	6.5 AC	6.5 AC	6.5 AC
	6.2	Lift power power	kw	8.6 AC	8.6 AC	8.6 AC
	6.3	Battery type		Lead-acid	Lead-acid	Lead-acid
	6.4	Battery voltage/capacity	V/Ah	48/300	48/400	48/400
	6.5	Motor	V/A	48/40	48/50	48/50
Others	7.1	Drive control mode		AC	AC	AC
	7.2	Noise level at driver's ears according to En12053	dB(A)	75	75	75

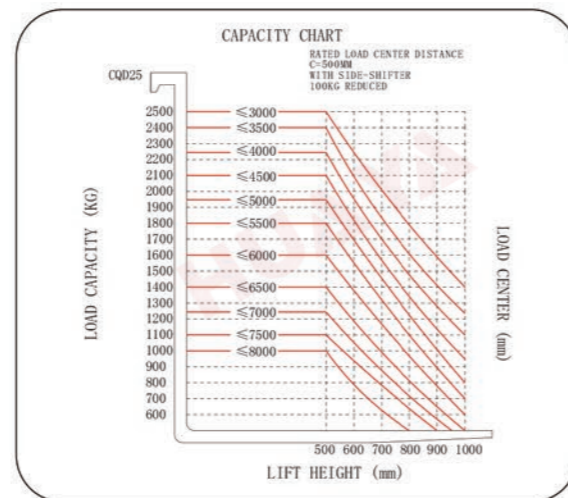
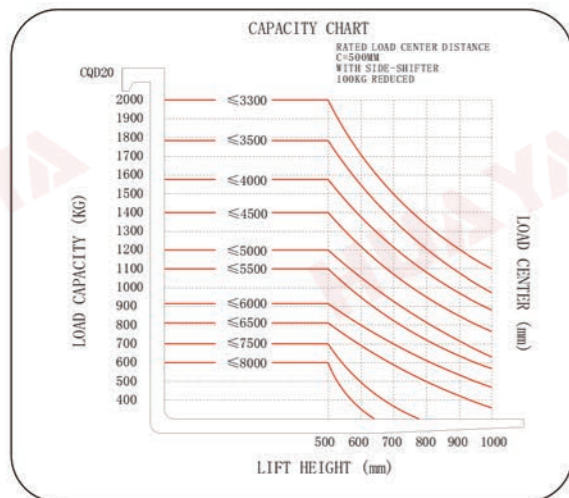
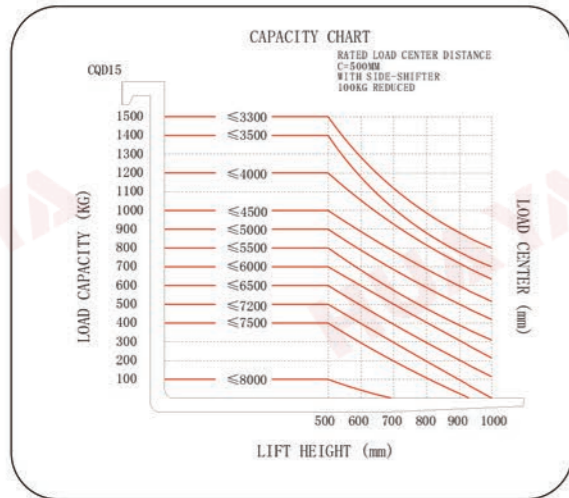
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Electric Reach Forklift (Side-standing Type) 48V CQD



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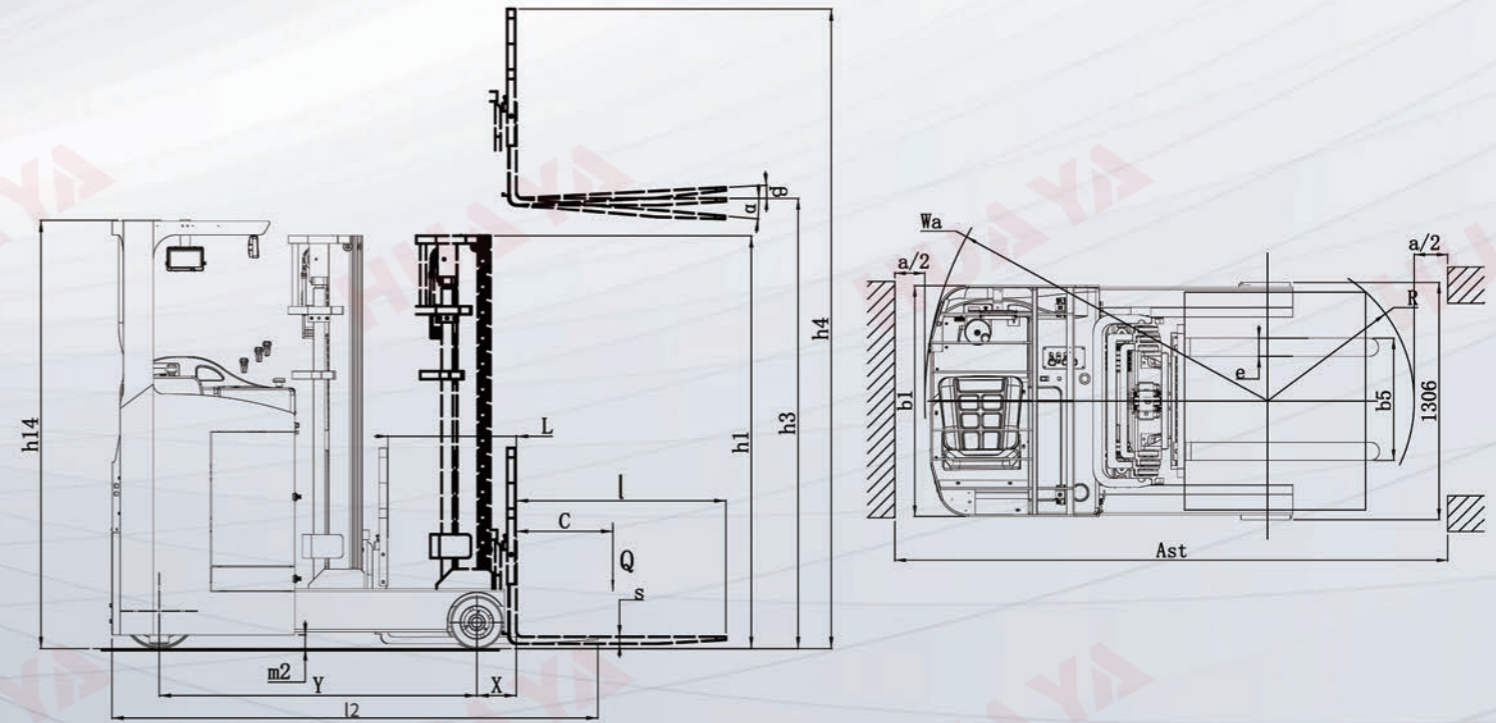
- Compact structure, high maneuverability. Low gravity center with good stability. It suits large tonnage, high lifting goods storage scenarios;
- It features in overall mast moving forward, with small turning radius to neglect obstacles at the bottom of the racks. It suits any space-limited scenarios, easy loading or unloading goods;
- Equipped with full AC drive system, small volume, light weight, high efficiency, free-maintenance and carbon-brush replacement. No more maintenance and protection;
- Standard forks tilting up or down function, prevents goods from tipping over and improving the load capability;
- Side-pull battery suits multi-shifting occasions, with standard roller trolley for easy change;
- 6.5m or above high-strength H type mast steel, not easy to deform, with reliable and stable operation.



		CQD15-45S	CQD20-45S	CQD20M-70S		
Characteristic	1.1 Model	CQD15-45S	CQD20-45S	CQD20M-70S		
	1.2 Power (electricity, diesel, LPG, petrol, manual)	Electric	Electric	Electric		
	1.3 Operation (manual, walkie, side-standing, picker)	Side-standing	Side-standing	Side-standing		
	1.4 Rated load capacity	Q(kg)	1500	2000	2000	
	1.5 Load center distance	C(mm)	500	500	500	
	1.6 Wheelbase	Y(mm)	1383	1533	1693	
	1.7 Forward moving distance	L(mm)	500	594	565	
Weight	2.1 Service weight (incl. battery)	kg	2850	3025	3355	
	3.1 Wheel type		PU	PU	PU	
	Wheel/Chassis	3.2 Front wheel specification	∅ × w(mm)	∅267*114	∅267*114	∅267*114
		3.3 Drive wheel specification	∅ × w(mm)	∅382*142	∅382*142	∅382*142
		3.4 Balance wheel specification	∅ × w(mm)	∅180*76	∅180*76	∅180*76
3.5 Tread, front	b10(mm)	1081	1081	1155		
Dimensions	4.1 Vehicle height, mast retracted	h1(mm)	2100	2100	3210	
	4.2 Free lift height	h2(mm)	1500	1500	2320	
	4.3 Lift height	h3(mm)	4500	4500	7000	
	4.4 Mast height, extended	h4(mm)	5480	5480	7965	
	4.5 Overhead guard height	h14(mm)	2305/2260	2305/2260	2305/2260	
	4.6 Forks height, mast retracted	h13(mm)	35	40	40	
	4.7 Mast/forks tilting angle (the front/the rear)	α/β(°)	3/5	3/5	3/5	
	4.8 Vehicle body length (excl.forks /incl. forks)	l2(mm)	1752/2405	1902/2405	2060/2550	
	4.9 Vehicle body width	b1(mm)	1195	1195	1270	
	4.10 Forks dimensions	s/e/l(mm)	35/100/1070	40/122/1070	40/122/1070	
	4.11 Forks adjustment dimensions	b5(mm)	210-700	244-700	244-700	
	4.12 The min. ground clearance (Wheelbase center)	m2(mm)	80	80	80	
	4.13 Stacking aisle width, pallet 1m×1.2m (1.2m cross forks)	Ast(mm)	2730	2882	3042	
	4.14 The min. turning radius	Wa(mm)	1680	1836	1996	
Performance	5.1 Travelling speed, unladen/full-loaded	km/h	10/9	10/9	8/7	
	5.2 Lift speed unladen/full-loaded	m/s	0.330/0.245	0.300/0.235	0.280/0.200	
	5.3 Lower speed unladen/full-loaded	m/s	0.260/0.325	0.330/0.400	0.330/0.400	
	5.4 The max. gradability, unladen/full-loaded	%	≤10	≤10	≤10	
	5.5 Service brake		Electromagnetic	Electromagnetic	Electromagnetic	
Motor	6.1 Drive motor power	kw	4.5 AC	6.5 AC	6.5 AC	
	6.2 Lift motor power	kw	7.5 AC	8.6 AC	8.6 AC	
	6.3 Battery type		Lead-acid	Lead-acid	Lead-acid	
	6.4 Battery voltage/capacity	V/Ah	48/300	48/400	48/400	
	6.5 Charger	V/A	48/40	48/50	48/50	
Others	7.1 Drive control mode		AC	AC	AC	
	7.2 Noise level at driver's ears according to En12053	dB(A)	75	75	75	

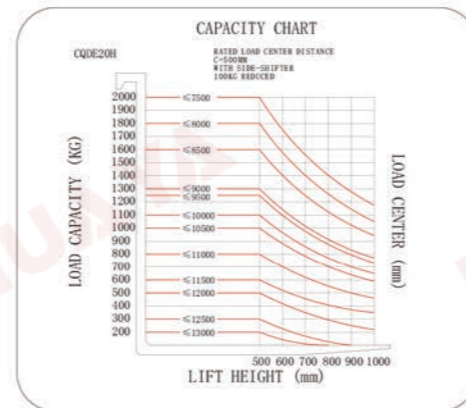
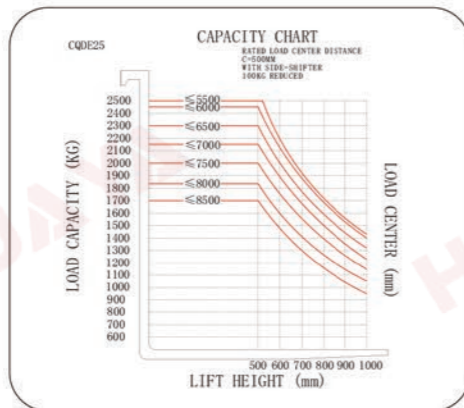
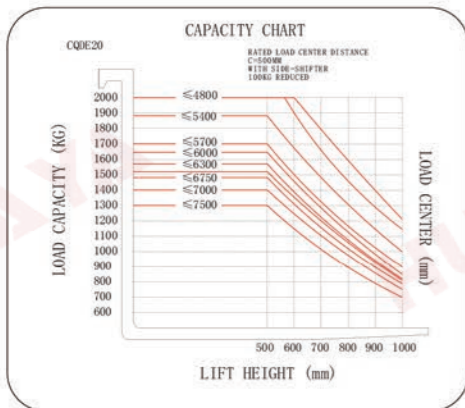
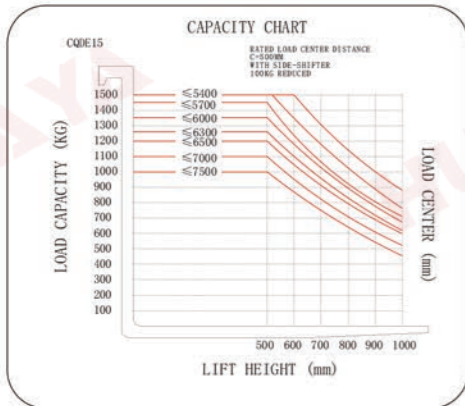


Electric Reach Forklift (Seated Type) 48V CQDE



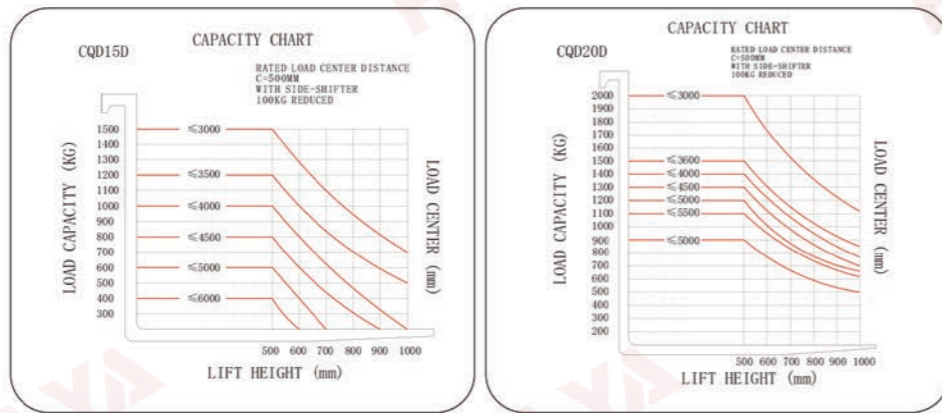
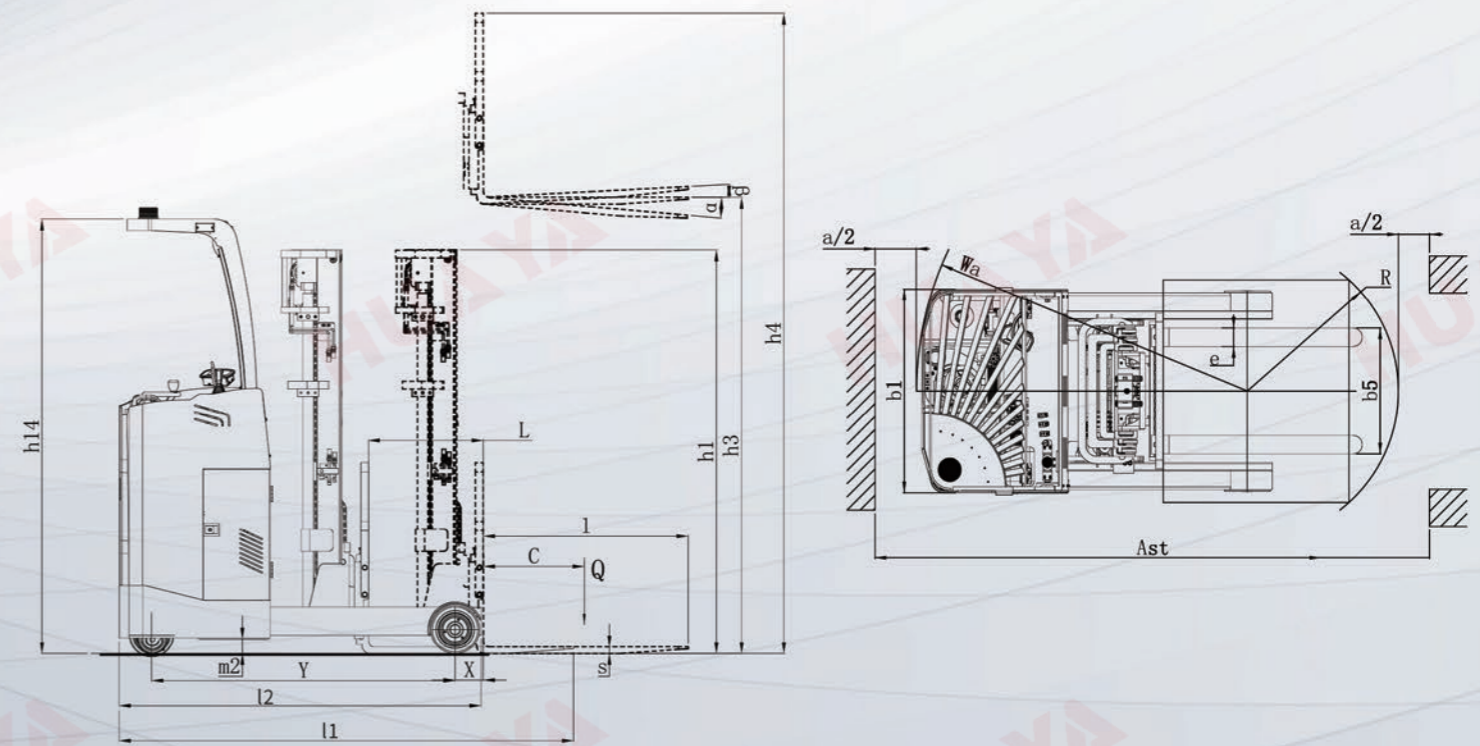
The data is for reference only, please take the real object as references

- Compact structure, high maneuverability. Low gravity center with good stability. It suits large tonnage, high lifting goods storage scenarios;
- Equipped with full AC drive system, small volume, light weight, high efficiency, free-maintenance and carbon-brush replacement. No more maintenance and protection;
- Equipped with branded control system and multi-functional protection system, it offers a higher level functional safety;
- Equipped with smart HD display instrument, offering real-time vehicle operation status and fault display, it is easy for troubleshooting and maintenance;
- EPS steering energy reduces 20% with accurate operation, flexible steering, relieving operators pressures and greatly improving the production ability;
- Standard forks tilting up or down function, prevents goods from tipping over and improving the load capability;
- Side-pull battery suits multi-shifting occasions, with standard roller cart for easy change.



		CQDE15-45S	CQDE20-45S	CQDE20H-120S
Characteristic	1.1 Model		CQDE15-45S	CQDE20-45S
	1.2 Power (electricity, diesel, LPG, petrol, manual)		Electric	Electric
	1.3 Operation (manual, walkie, side-standing, picker)		Seated type	Seated type
	1.4 Rated load capacity	Q(kg)	1500	2000
	1.5 Load center distance	C(mm)	500	500
	1.6 Wheelbase	Y(mm)	1470	1620
	1.7 Forward moving distance	L(mm)	505	655
	1.8 The front overhang distance	X(mm)	183	183
Weight	2.1 Service weight (incl. battery)	kg	3100	3200
	3.1 Wheel type		PU	PU
	3.2 Front wheel specification	∅ × w(mm)	∅267*114	∅267*114
Wheel/Chassis	3.3 Drive wheel specification	∅ × w(mm)	∅382*142	∅382*142
	3.4 Tread, front	b10(mm)	1180	1329
	4.1 Vehicle height, mast retracted	h1(mm)	2105	2105
Dimensions	4.2 Free lift height	h2(mm)	1500	1500
	4.3 Lift height	h3(mm)	4500	4500
	4.4 Mast height, extended	h4(mm)	5465	5465
	4.5 Overhead guard height	h14(mm)	2180	2180
	4.6 Forks height, mast retracted	h13(mm)	35	40
	4.7 Mast/forks tilting angle (the front/the rear)	α/β(°)	3/5	3/5
	4.8 Vehicle body length (incl. forks)	l2(mm)	2477	2477
	4.9 Vehicle body width	b1(mm)	1270	1270
	4.10 Forks dimensions	s/e/l(mm)	35/100/1070	40/122/1070
	4.11 Forks adjustment dimensions	b5(mm)	210-705	244-705
	4.12 The min. ground clearance (Wheelbase center)	m2(mm)	70	70
	4.13 Stacking aisle width, pallet 1m × 1.2m (1.2m cross forks)	Ast(mm)	2964	3007
	4.14 The min. turning radius	Wa(mm)	1800	1900
	Performance	5.1 Travelling speed, unladen/full-loaded	km/h	14/14
5.2 Lift speed unladen/full-loaded		m/s	0.330/0.245	0.450/0.340
5.3 Lower speed unladen/full-loaded		m/s	0.350/0.380	0.360/0.420
5.4 The max. gradability, unladen/full-loaded		%	≤10	≤10
Motor	5.5 Service brake		Electromagnetic	Electromagnetic
	6.1 Drive motor power	kw	6.5 AC	6.5 AC
	6.2 Lift motor power	kw	7.5 AC	12 AC
	6.3 Battery type		Lead-acid	Lead-acid
	6.4 Battery voltage/capacity	V/Ah	48/300	48/400
	6.5 Charger	V/A	48/40	48/50
Others	7.1 Drive control mode		AC	AC
	7.2 Noise level at driver's ears according to En12053	dB(A)	75	75

Electric Reach Forklift (Side-standing Type) 24V CQD-D



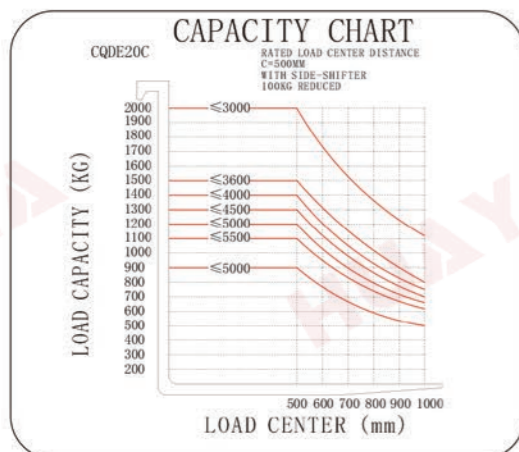
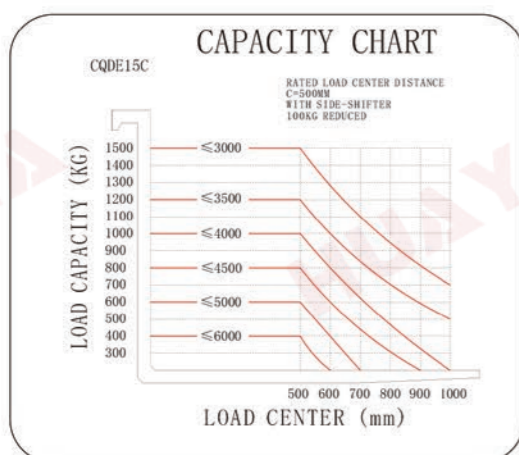
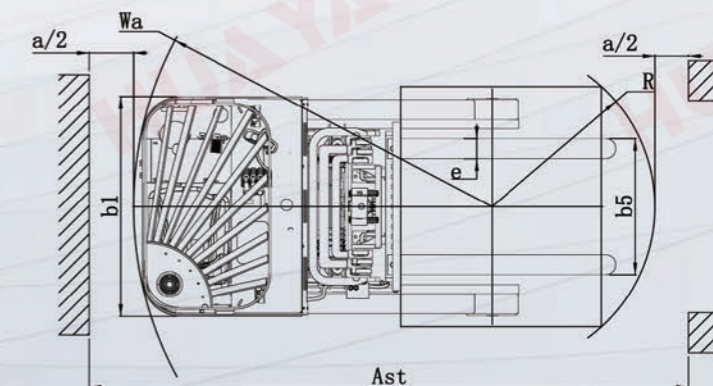
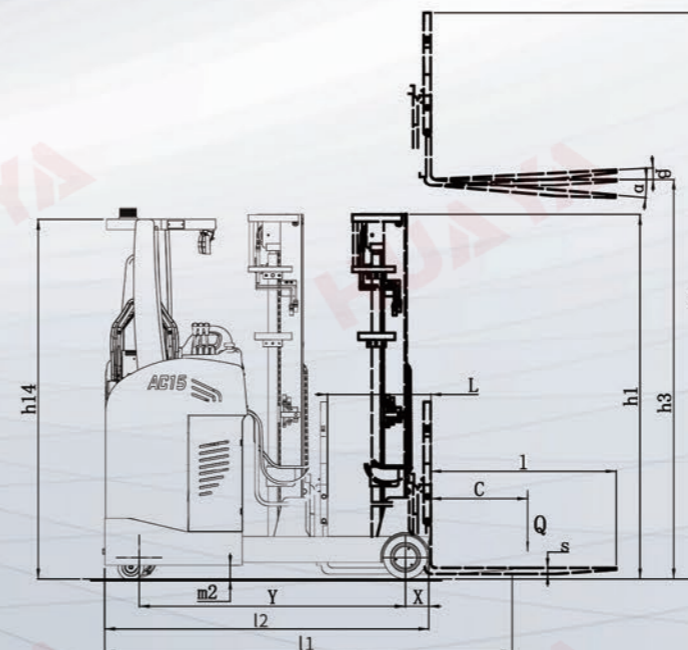
- Compact structure, high maneuverability. Low gravity center with good stability. It suits large tonnage, high lifting goods storage scenarios;
- It features in overall mast moving forward, with small turning radius to neglect obstacles at the bottom of the racks. It suits any space-limited scenarios, easy loading or unloading goods;
- Equipped with branded control system and multi-functional protection system, it offers a higher level functional safety;
- Equipped with vertical branded gear box, multi-functional solutions and flexible module construction system. Optimized gear meshing technology can reduce the noise and offer high performance and efficiency;
- EPS steering energy reduces 20% with accurate operation, flexible steering, relieving operators pressures and greatly improving the production ability;
- Equipped with full AC drive system, small volume, light weight, high efficiency, free-maintenance and carbon-brush replacement. No more maintenance and protection.

		CQD12D-45S	CQD15D-45S	CQD20D-45S	
Characteristic	1.1 Model	CQD12D-45S	CQD15D-45S	CQD20D-45S	
	1.2 Power (electricity, diesel, LPG, petrol, manual)	Electric	Electric	Electric	
	1.3 Operation (manual, walkie, side-standing, picker)	Side-standing	Side-standing	Side-standing	
	1.4 Rated load capacity	Q(kg)	1200	1500	2000
	1.5 Load center distance	C(mm)	500	500	500
	1.6 The front overhang distance	X(mm)	145	145	145
	1.7 Wheelbase	Y(mm)	1399	1399	1584
Weight	2.1 Service weight (incl. battery)	kg	2200	2200	2300
	3.1 Wheel type		PU	PU	PU
Wheel/ Chassis	3.2 Front wheel specification	∅×w(mm)	∅254*104	∅254*104	∅254*104
	3.3 Drive wheel specification	∅×w(mm)	∅230*75	∅230*75	∅230*75
	3.4 Balance Wheel specification	∅×w(mm)	∅150*50	∅150*50	∅150*50
	3.5 Tread, front	b10(mm)	978	978	978
	3.6 Tread, rear	b11(mm)	804	804	804
	Dimensions	4.1 Vehicle height, mast retracted	h1(mm)	2120	2120
4.2 Lift height		h3(mm)	4500	4500	4500
4.3 Mast height, extended		h4(mm)	5485	5485	5485
4.4 Overhead guard height		h14(mm)	2308	2308	2308
4.5 Forks height, mast retracted		h13(mm)	35	35	40
4.6 Mast/forks tilting angle (the front/the rear)		α/β(°)	3/5	3/5	3/5
4.7 Vehicle body length (incl. forks)		l1(mm)	2272	2272	2460
4.8 Vehicle body length (excl. forks)		l2(mm)	1703	1703	1888
4.9 Vehicle body width		b1(mm)	1098	1098	1098
4.10 Forks dimensions		s/e/l(mm)	35/100/1070	35/100/1070	40/122/1070
4.11 Forks adjustment dimensions		b5(mm)	210-705	210-705	244-705
4.12 Forward moving distance		L(mm)	500	500	600
4.13 The min. ground clearance (Wheelbase center)		m2(mm)	77	77	77
4.14 Stacking aisle width, pallet 1m×1.2m (1.2m cross forks)		Ast(mm)	2771	2771	2880
4.15 The min. turning radius		Wa(mm)	1600	1600	1781
Performance	5.1 Travelling speed, unladen/full-loaded	km/h	5/4	5/4	5/4
	5.2 Lift speed unladen/full-loaded	m/s	0.135/0.115	0.135/0.110	0.135/0.100
	5.3 Lower speed unladen/full-loaded	m/s	0.085/0.120	0.085/0.132	0.085/0.140
	5.4 The max. gradability, unladen/full-loaded	%	8/6	8/4	8/4
	5.5 Service brake		Electromagnetic	Electromagnetic	Electromagnetic
Motor	6.1 Drive motor power	kw	1.5	2.5	2.5
	6.2 Lift motor power	kw	3	3	3
	6.3 Battery type		Lead-acid	Lead-acid	Lead-acid
	6.4 Battery voltage/capacity	V/Ah	24/280	24/280	24/280
	6.5 Charger	V/A	24/40	24/40	24/40
Others	7.1 Drive control mode		AC	AC	AC
	7.2 Noise level at driver's ears according to En12053	dB(A)	75	75	75

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Electric Reach Forklift (Seated Type) 24V CQDE-C

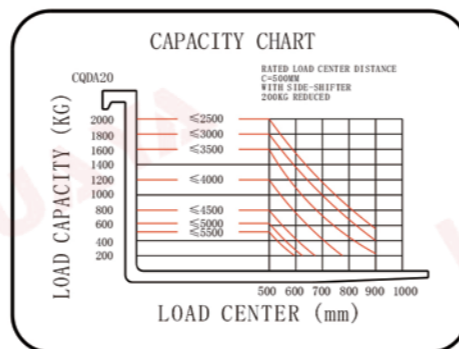
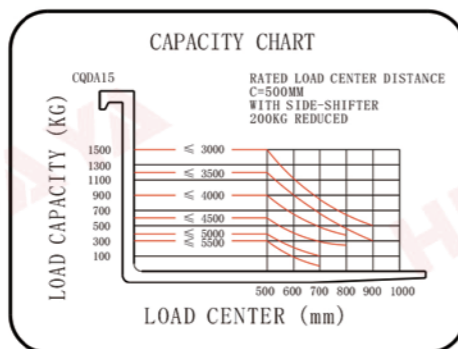


- Compact structure, high maneuverability. Low gravity center with good stability. It suits large tonnage, high lifting goods storage scenarios;
- It features in overall mast moving forward, with small turning radius to neglect obstacles at the bottom of the racks. It suits any space-limited scenarios, easy accessing or unloading goods;
- Equipped with branded control system and multi-functional protection system, it offers a higher level functional safety;
- Equipped with vertical branded gear box, multi-functional solutions and flexible module construction system. Optimized gear meshing technology can reduce the noise and offer high performance and efficiency;
- EPS steering energy reduces 20% with accurate operation, flexible steering, relieving operators pressures and greatly improving the production ability;
- Equipped with full AC drive system, small volume, light weight, high efficiency, free-maintenance and carbon-brush replacement. No more maintenance and protection;
- Lift control lever lies in safety lowering position. When the forks are 100mm or so from the ground, it lowers slowly automatically to ensure the operation safety;
- When the forks are up to the highest level, the buffering system reduces the mast shock, improving the operation safety;
- Emergency power off switch, as a standard configuration, is pressed to cut off all power. The vehicle immediately stops by power cutting off to ensure safety protection.

Characteristic	1.1	Model		CQDE12C-45S	CQDE15C-45S	CQDE20C-45S
	1.2	Power (electricity, diesel, LPG, petrol, manual)		Electric	Electric	Electric
	1.3	Operation (manual, walkie, side-standing, picker)		Seated type	Seated type	Seated type
	1.4	Rated load capacity	Q(kg)	1200	1500	2000
	1.5	Load center distance	C(mm)	500	500	500
	1.6	The front overhang distance	X(mm)	180	180	180
	1.7	Wheelbase	Y(mm)	1355	1355	1540
Weight	2.1	Service weight (incl. battery)	kg	1995	2180	2535
	3.1	Wheel type		PU	PU	PU
Wheel/ Chassis	3.2	Front wheel specification	∅ × w(mm)	∅254*104	∅254*104	∅254*104
	3.3	Drive wheel specification	∅ × w(mm)	∅230*75	∅230*75	∅230*75
	3.4	Balance Wheel specification	∅ × w(mm)	∅150*50	∅150*50	∅150*50
	3.5	Tread, front	b10(mm)	984	984	984
	3.6	Tread, rear	b11(mm)	772	772	772
	Dimensions	4.1	Vehicle height, mast retracted	h1(mm)	2120	2120
4.2		Lift height	h3(mm)	4500	4500	4500
4.3		Mast height, extended	h4(mm)	5485	5485	5485
4.4		Overhead guard height	h14(mm)	2090	2090	2090
4.5		Forks height, mast retracted	h13(mm)	35	35	40
4.6		Mast/forks tilting angle (the front/the rear)	α/β(°)	3/5	3/5	3/5
4.7		Vehicle body length (incl. forks)	l1(mm)	2250	2250	2350
4.8		Vehicle body length (excl. forks)	l2(mm)	1689	1689	1874
4.9		Vehicle body width	b1(mm)	1100	1100	1100
4.10		Forks dimensions	s/e/l(mm)	35/100/1070	35/100/1070	40/122/1070
4.11		Forks adjustment dimensions	b5(mm)	210-705	210-705	244-705
4.12		Forward moving distance	L(mm)	500	500	600
4.13		The min. ground clearance (Wheelbase center)	m2(mm)	80	80	80
4.14		Stacking aisle width, pallet 1m × 1.2m (1.2m cross forks)	Ast(mm)	2764	2764	2872
4.15		The min. turning radius	Wa(mm)	1600	1600	1780
Performance	5.1	Travelling speed, unladen/full-loaded	km/h	6.5/5.5	6.5/5.5	6.5/5.5
	5.2	Lift speed unladen/full-loaded	m/s	0.135/0.115	0.135/0.110	0.135/0.100
	5.3	Lower speed unladen/full-loaded	m/s	0.085/0.120	0.085/0.132	0.085/0.140
	5.4	The max. gradability, unladen/full-loaded	%	8/6	8/4	8/4
	5.5	Drive brake		Electromagnetic	Electromagnetic	Electromagnetic
Motor	6.1	Drive motor power	kw	1.5	2.5	2.5
	6.2	Lift motor power	kw	3	3	3
	6.3	Battery type		Lead-acid	Lead-acid	Lead-acid
	6.4	Battery voltage/capacity	V/Ah	24/280	24/280	24/280
	6.5	Charger	V/A	24/40	24/40	24/40
Others	7.1	Drive control mode		AC	AC	AC
	7.2	Noise level at driver's ears according to En12053	dB(A)	75	75	75

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Electric Reach Forklift (Rider Type) CQDA

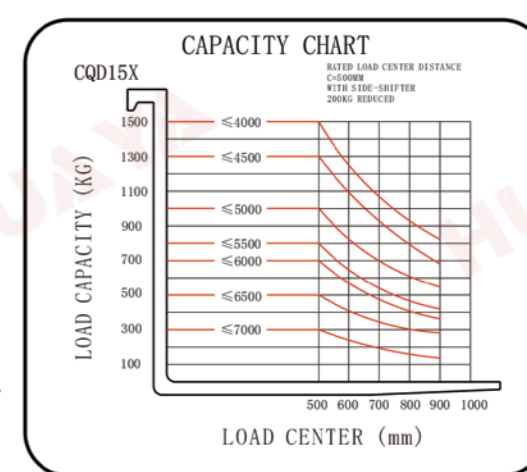


- Compact structure features in more convenient goods accessing in limited spaces. The mast moves forward as a whole, with adjustable forged forks. Suitable for various pallets, small turning radius. Barriers under the bottom of racks can be neglected;
- Equipped with branded control system and multi-functional protection system, it offers higher level functional safety;
- Equipped with vertical branded gear box, multi-functional solutions and flexible module construction system. Optimized gear meshing technology can reduce the noise and offer high performance and efficiency;
- AC drive, no carbon brush, maintenance-free, high-efficiency motor, accurate control, strong power.

Characteristic			CQDA10-25	CQDA15-25	CQDA20-25	
	1.1	Model		CQDA10-25	CQDA15-25	CQDA20-25
1.2	Power (electricity, diesel, LPG, petrol, manual)		Electric	Electric	Electric	
1.3	Operation (manual, walkie, side-standing, picker)		Rider type	Rider type	Rider type	
1.4	Rated load capacity	Q(kg)	1000	1500	2000	
1.5	Load center distance	C(mm)	500	500	500	
1.6	The front overhang distance	X(mm)	155	155	155	
1.7	Wheelbase	Y(mm)	1335	1435	1585	
1.8	Forward moving distance	l4(mm)	500	600	730	
Weight	2.1	Service weight (incl. battery)	kg	1875	1900	2050
	3.1	Wheel type	PU	PU	PU	
Wheel/Chassis	3.2	Drive wheel specification	∅ × w(mm)	∅230*75	∅230*75	∅230*75
	3.3	Front wheel specification	∅ × w(mm)	∅210*85	∅210*85	∅210*85
	3.4	Rear Wheel specification	∅ × w(mm)	∅150*50	∅150*50	∅150*50
	3.5	Tread, front	b10(mm)	945	945	945
3.6	Tread, rear	b11(mm)	735	735	735	
Dimensions	4.1	Vehicle height, mast retracted	h1(mm)	1845	1845	1845
	4.2	Standard lifting height	h3(mm)	2500	2500	2500
	4.3	Mast height, extended	h4(mm)	3470	3470	3470
	4.4	Forks height, mast retracted	h13(mm)	35	35	40
	4.5	Mast/forks tilting angle (the front/the rear)	α/β(°)	3/5	3/5	3/5
	4.6	Vehicle body length (excl/incl forks with pedal folded)	l1(mm)	1734/2276	1834/2276	1984/2346
	4.7	Vehicle length (extra 536mm with pedal, without pedal)	l2(mm)	1615	1715	1865
	4.8	Vehicle Body Width	b1(mm)	1034	1034	1034
	4.9	Forks dimensions	s/e/l(mm)	135/100/1070	35/100/1070	40/122/1070
	4.10	Forks adjustment dimensions	b5(mm)	210-680	210-680	245-705
	4.11	The min. ground clearance (Wheelbase center)	m2(mm)	70	70	70
	4.12	Stacking aisle width, pallet folded 1m × 1.2m (1m along forks)	Ast(mm)	2681	2715	2816
	4.13	Stacking aisle width, pallet unfolded 1m × 1.2m (1m along forks)	Ast(mm)	3083	3116	3220
	4.14	The min. turning radius (pallets folded/extended)	Wa(mm)	1652/2053	1752/2153	1900/2304
Performance	5.1	Travelling speed, unladen/full-loaded	km/h	5/4	5/4	5/4
	5.2	Lift speed unladen/full-loaded	m/s	0.112/0.095	0.112/0.092	0.112/0.085
	5.3	Lower speed unladen/full-loaded	m/s	0.094/0.110	0.094/0.115	0.096/0.123
	5.4	The max. gradability, unladen/full-loaded	%	8/5	8/5	6/4
Motor	6.1	Service brake		Electromagnetic	Electromagnetic	Electromagnetic
	6.2	Drive motor power	kw	1.5	1.5	2.5
	6.3	Lift motor power	kw	2.2	2.2	2.2
	6.4	Battery type		Lead-acid	Lead-acid	Lead-acid
	6.5	Battery voltage/capacity	V/Ah	24/210	24/210	24/210
Others	7.1	Charger	V/A	24/30	24/30	24/30
	7.2	Drive control mode		AC	AC	AC
7.2	Noise level at driver's ears according to En12053	dB(A)	75	75	75	

The data is for reference only, please take the real object as references

Double Deep Reach Truck CQD-X



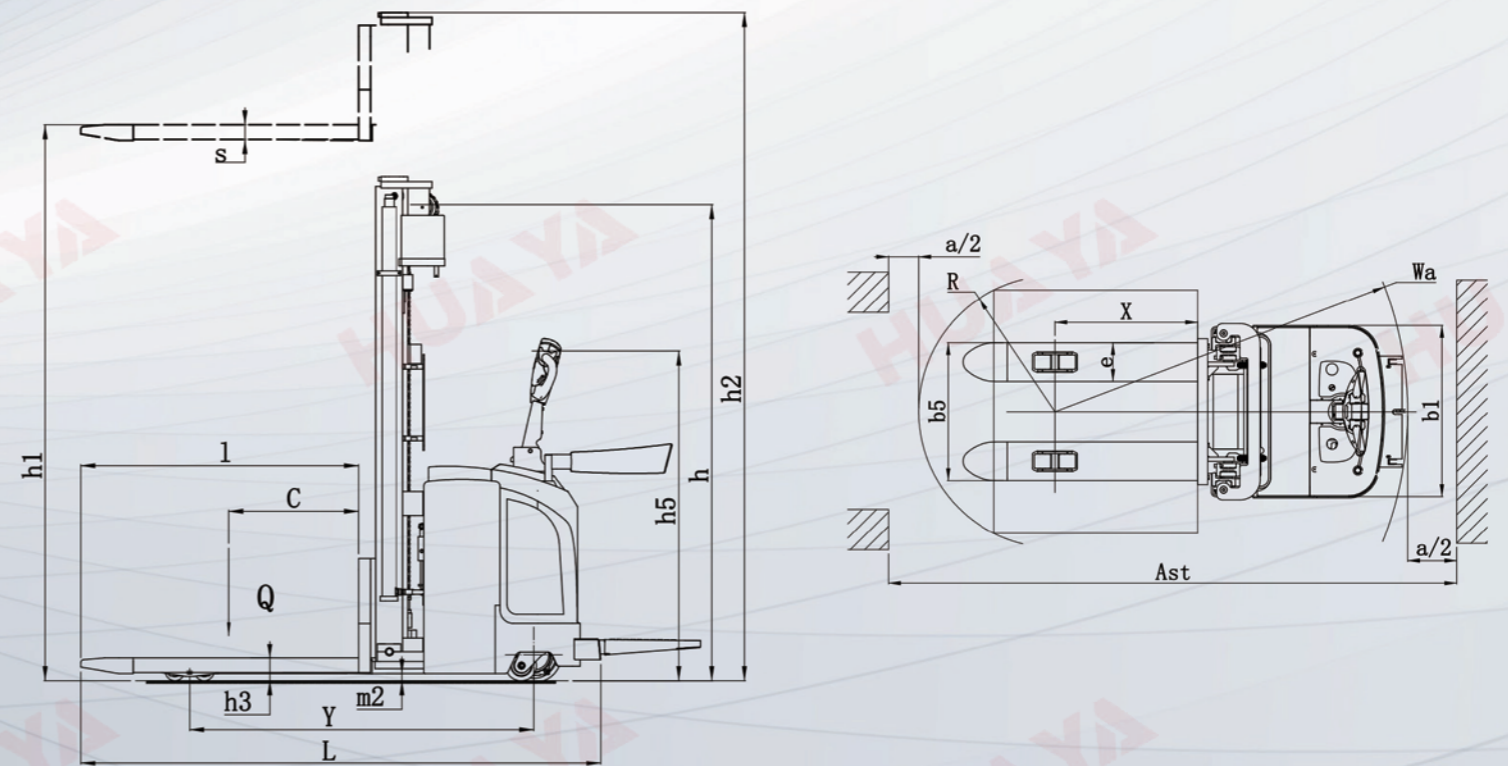
- Equipped with double reach arms. The telescopic structure makes good forward or backward moving. When forks extend, the vehicle resembles a counterbalance stacker. Suitable for non-standard pallet, sealed pallet and enclosed racks. When forks retract, it resembles a straddle forklift. Flexible operation in narrow aisles;
- Extend and retract distance is 1200mm, the largest good accessing depth is 1500mm;
- Equipped with full AC drive system, small volume, light weight, high efficiency, free-maintenance and carbon-brush replacement. No more maintenance and protection.

Characteristic			CQD15X-45	
	1.1	Model		CQD15X-45
1.2	Power (electricity, diesel, LPG, petrol, manual)		Electric	
1.3	Operation (manual, walkie, side-standing, picker)		Side-standing	
1.4	Rated load capacity	Q(kg)	1500	
1.5	Load center distance	C(mm)	500	
1.6	Wheelbase	Y(mm)	1562	
Weight	2.1	Service weight (incl. battery)	kg	3650
	3.1	Wheel type		PU
Wheel/Chassis	3.2	Drive wheel specification	∅ × w(mm)	∅382*142
	3.3	Front wheel specification	∅ × w(mm)	∅145*100
	3.4	Balance Wheel specification	∅ × w(mm)	∅180*76
	3.5	Wheel numbers (the front wheel/X drive wheel/balance wheel)		4/2X/2
	3.6	Tread, front	b10(mm)	1562
	4.1	Lift height	h3(mm)	4500
Dimensions	4.2	Mast height, lowered	h1(mm)	3050
	4.3	Mast height, extended	h4(mm)	5585
	4.4	Overhead guard height	h14(mm)	2280
	4.5	Vehicle body length (incl/excl forks when folded)	l2(mm)	2410/1977
	4.6	Vehicle body width	b1(mm)	1390
	4.7	Forks dimensions	s/e/l(mm)	35/100/1070
	4.8	Forks adjustment dimensions	b5(mm)	210-680
	4.9	The min. ground clearance (Wheelbase center)	m2(mm)	65
	4.10	Stacking aisle width, pallet 1m × 1.2m (1.2m cross forks)	Ast(mm)	2835
	4.11	The min. turning radius	Wa(mm)	1854
Performance	4.12	Forks extend and retract distance	(mm)	1200
	5.1	Max. travelling speed, unladen/full-loaded	km/h	7/6.5
	5.2	Lift speed unladen/full-loaded	m/s	0.330/0.245
	5.3	Lower speed unladen/full-loaded	m/s	0.350/0.380
Motor	5.4	Service brake		Electromagnetic
	6.1	Drive motor power	kw	4.5 AC
6.2	Lift motor power	kw	7.5 AC	
6.3	Battery type		Lead-acid	
6.4	Battery voltage/capacity	V/Ah	48/300	
Others	7.1	Charger	V/A	48/40
	7.2	Drive control mode		AC

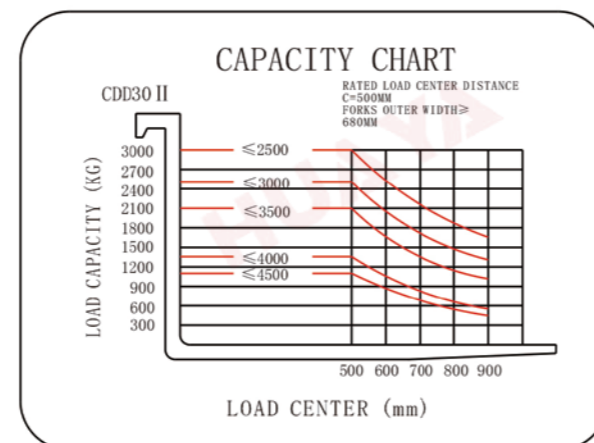
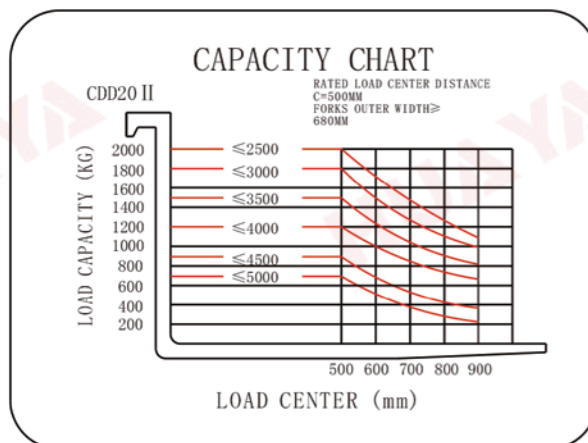
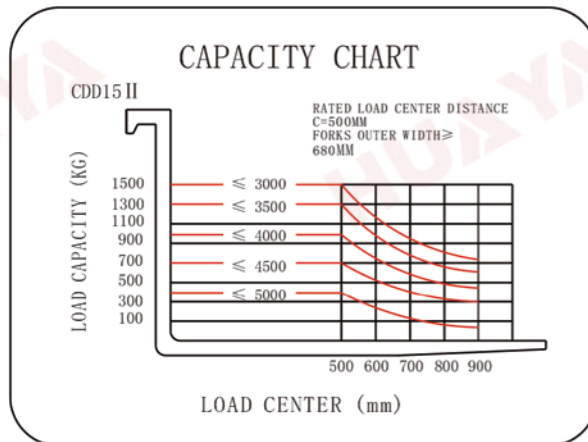
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Electric Pallet Stacker (Rider Type) CDD II



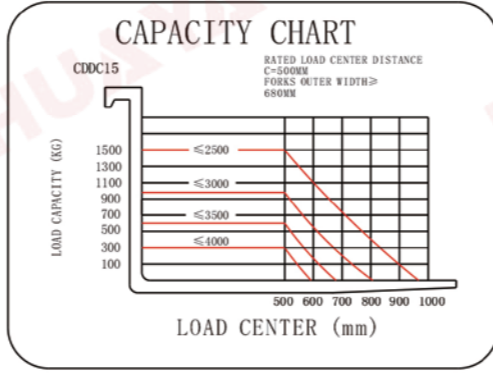
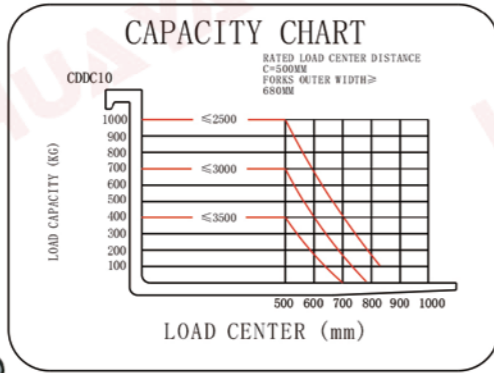
- Equipped with branded control system and multi-functional protection system, it offers higher level functional safety;
- Equipped with vertical branded gear box, multi-functional solutions and flexible module construction system. Optimized gear meshing technology can reduce the noise and offer high performance and efficiency;
- EPS steering energy reduces 20% with accurate operation, flexible steering, relieving operators pressures and greatly improving the production ability;
- No need to adjust the buffering spring. It can adjust the vertical drive unit according to road conditions, increasing the steady operation efficiency;
- High quality with buffering hydraulic system. Low noise, light shock, good seal, steady lift and lower processes;
- Equipped with full AC drive system, small volume, light weight, high efficiency, free-maintenance and carbon-brush replacement. No more maintenance and protection;
- Wide field mast design, specialized groove steel with high strength;
- Customized electromagnetic or laser navigation AGV.



Characteristic	1.1	Model		CDD10II-30	CDD15II-30	CDD20II-30
	1.2	Power (electricity, diesel, LPG, petrol, manual)		Full electric	Full electric	Full electric
	1.3	Operation (manual, walkie, side-standing, picker)		Rider type	Rider type	Rider type
	1.4	Rated load capacity	Q(kg)	1000	1500	2000
	1.5	Load center distance	C(mm)	500	500	500
	1.6	Load bearing distance	X(mm)	676	676	676
	1.7	Wheelbase	Y(mm)	1430	1430	1430
Weight	2.1	Service weight (incl. battery)	kg	1075	1115	1150
	3.1	Wheel type (The front/rear)		PU	PU	PU
Wheel/ Chassis	3.2	Front wheel specification	∅ × w(mm)	∅80×70	∅80×70	∅80×70
	3.3	The rear wheel specification	∅ × w(mm)	∅230×75	∅230×75	∅230×75
	3.4	Tread, front	b2(mm)	490	490	490
	3.5	Tread, rear	b3(mm)	658	658	658
	4.1	Forks height, mast retracted	h(mm)	2060	2060	2060
Dimensions	4.2	Lift height	h1(mm)	3000	3000	3000
	4.3	Mast height, extended	h2(mm)	3541	3541	3541
	4.4	Handle height	h5(mm)	1430	1430	1430
	4.5	Forks height, mast retracted	h3(mm)	86	86	86
	4.6	Overall vehicle length (pallet folded/unfolded)	L(mm)	2185/2605	2185/2605	2185/2605
	4.7	Overall width	b1(mm)	850	850	850
	4.8	Forks dimensions	s/e/l(mm)	65/190/1150	65/190/1150	65/190/1150
	4.9	Forks outer distance	b5(mm)	680	680	680
	4.10	The min. ground clearance (Wheelbase center)	m2(mm)	30	30	30
	4.11	Stacking aisle width, pallet folded 1m×1.2m (1m cross forks)	Ast(mm)	2615	2615	2615
	4.12	Stacking aisle width, pallet unfolded 1m×1.2m (1m cross forks)	Ast(mm)	3016	3016	3016
	4.13	The min. turning radius (pallet folded/unfolded)	Wa(mm)	1729/2130	1729/2130	1729/2130
	Performance	5.1	Travelling speed, unladen/full-loaded	km/h	5.5/5	5.5/5
5.2		Lift speed unladen/full-loaded	m/s	0.11/0.1	0.1/0.09	0.1/0.086
5.3		Lower speed unladen/full-loaded	m/s	0.082/0.112	0.082/0.115	0.082/0.123
5.4		The max. gradability, unladen/full-loaded	%	8/6	8/6	8/4
5.5		Service brake		Electromagnetic	Electromagnetic	Electromagnetic
Motor	6.1	Drive motor power	kw	1.5	1.5	1.5
	6.2	Lift motor power	kw	2.2	2.2	2.2
	6.3	Battery type		Lead-acid	Lead-acid	Lead-acid
	6.4	Battery voltage/capacity	V/Ah	24/210	24/210	24/210
	6.5	Charger	V/A	24/30	24/30	24/30
Others	7.1	Drive control mode		AC	AC	AC
	7.2	Noise level at driver's ears according to En12053	dB(A)	75	75	75

The data is for reference only, please take the real object as references

Electric Pallet Stacker (Walkie Type) CDDC

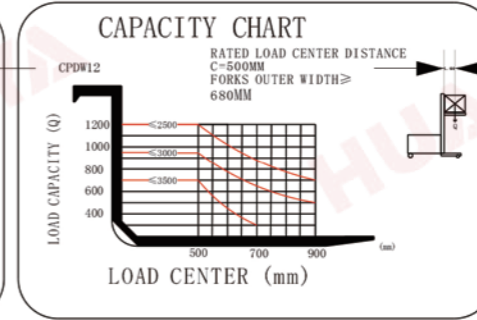
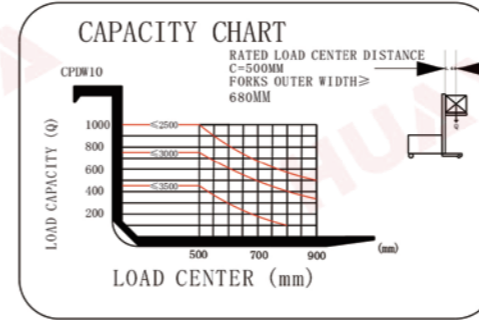


- Suitable for medium and short distances material handling in various scenarios of different height;
- High performance sealed internal battery. Long endurance. It works without adding water or other liquids;
- Compact structure saves the space. It goes through narrow aisles.

Characteristics	CDDC15-16		CDDC15-30		
	Model				
1.1	Model		CDDC15-16	CDDC15-30	
1.2	Power (electricity, diesel, LPG, petrol, manual)		Electric	Electric	
1.3	Operation (manual, walkie, side-standing, picker)		Walkie	Walkie	
1.4	Rated load capacity	Q(kg)	1500	1500	
1.5	Load center distance	C(mm)	500	500	
1.6	The front overhang distance	X(mm)	726	726	
1.7	Wheelbase	Y(mm)	1197	1197	
Weight	1.8	Service weight (incl. battery)	kg	530	656
	2.1	Axle bearing capacity when full-loaded, drive end/bearing end	kg	743/1343	764/1392
Wheel/Chassis	3.1	Axle bearing capacity when unladen, drive end/bearing end	kg	433/163	477/179
	3.2	Wheel type (The front/rear)		PU/PU	PU/PU
Dimensions	3.3	Front wheel specification	∅×w(mm)	∅80×70	∅80×70
	3.4	The rear wheel specification	∅×w(mm)	∅210×70	∅210×70
	3.5	Tread, front	b10(mm)	515	515
	3.6	Tread, rear	b11(mm)	530	530
	4.1	Forks height, mast retracted	h1(mm)	2055	1980
	4.2	Lift height	h3(mm)	1600	3000
Performance	4.3	Mast height, extended	h4(mm)	2075	3478
	4.4	Forks height, mast retracted	h13(mm)	85	85
	4.5	Overall vehicle length	l2(mm)	1858	1865
	4.6	Vehicle width	b1(mm)	800	800
	4.7	Forks dimensions	s/e/l(mm)	65/165/1150	65/165/1150
	4.8	Forks adjustment dimensions (forks outer width)	b5(mm)	350-680	350-680
	4.9	The min. ground clearance (Wheelbase center)	m2(mm)	25	25
	4.10	Stacking aisle width, pallet 1m×1.2m (1.2m cross forks)	Ast(mm)	2238	2238
	4.11	The min. turning radius	Wa(mm)	1380	1380
	4.12	Travelling speed, unladen/full-loaded	km/h	4/3.5	4/3.5
Motor	4.13	Lift speed unladen/full-loaded	m/s	0.101/0.09	0.101/0.09
	5.1	Lower speed unladen/full-loaded	m/s	0.111/0.130	0.111/0.130
	5.2	The max. gradability, unladen/full-loaded	%	6/3	6/3
Others	5.3	Service brake		Electromagnetic	Electromagnetic
	5.4	Drive motor power	kw	0.75	0.75
	5.5	Lift motor power	kw	2.2	2.2
	6.1	Battery type		Lead-acid	Lead-acid
	6.2	Battery voltage/capacity	V/Ah	2x12/80	2x12/80
Others	6.3	Charger	V/A	24/10	24/10
	7.1	Drive control mode		DC	DC
	7.2	Noise level at driver's ears according to En12053	dB(A)	75	75

The data is for reference only, please take the real object as references

Electric Pallet Stacker (Walkie Counterbalance Type) CPDW



- Compared to the same kind products in market, it owns smaller turning radius and aisles, larger load center distance (500mm), outstanding in performance;
- Equipped with branded control system and multi-functional protection system, it offers higher level functional safety;
- Free-maintenance battery(Li-ion optional). No need to add liquids. It is easy to maintain, saving the energy. Build-in motor. Easy charging by only open the cover;
- Excellent layout structure, Easy parts assembly or disassembly, easy for maintenance.



Characteristic	CPDW10-30		CPDW12-30		
	Model				
1.1	Model		CPDW10-30	CPDW12-30	
1.2	Power (electricity, diesel, LPG, petrol, manual)		Electric	Electric	
1.3	Operation (manual, walkie, side-standing, picker)		Walkie	Walkie	
1.4	Rated load capacity	Q(kg)	1000	1200	
1.5	Load center distance	C(mm)	500	500	
1.6	The front overhang distance	X(mm)	71	85	
1.7	Wheelbase	Y(mm)	1340	1312	
Weight	2.1	Service weight (incl. battery)	kg	1320	1480
	3.1	Wheel type (The front/rear)		PU/PU	
Wheel/Chassis	3.2	Front wheel specification	∅×w(mm)	∅140×100	∅210*85
	3.3	The rear wheel specification	∅×w(mm)	∅210×70	∅250×80
	3.4	Tread, front	b2(mm)	816	801
	4.1	Forks height, mast retracted	h1(mm)	2065	2115
Dimensions	4.2	Free lift height	h2(mm)	0	0
	4.3	Lift height	h(mm)	3000	3000
	4.4	Mast height, extended	h2(mm)	3913	3913
	4.5	Forks height, mast retracted	h3(mm)	35	35
	4.6	Overall vehicle length(Without Forks / With Forks)	L(mm)	1652/2573	1684/2612
	4.7	Vehicle width (Lifting height <3500/>3500mm)	b1(mm)	916	886
	4.8	Forks dimensions	s/e/l(mm)	920*100*35	1070*100*35
	4.9	Forks adjustment dimensions	b5(mm)	200-580	200-580
	4.10	The min. ground clearance (Wheelbase center)	m2(mm)	40	72
	4.11	Stacking aisle width, pallet 1m×1.2m (1.2m cross forks)	Ast(mm)	2956	2846
	4.12	Stacking aisle width, pallet 1m×1.2m (1.2m along forks)	Ast(mm)	3094	3083
	4.13	The min. turning radius	Wa(mm)	1528	1480
	Performance	5.1	Travelling speed, unladen/full-loaded	km/h	4.0/3.5
5.2		Lift speed unladen/full-loaded	m/s	0.215/0.130	0.215/0.130
5.3		Lower speed unladen/full-loaded	m/s	0.105/0.130	0.105/0.130
5.4		The max. gradability, unladen/full-loaded	%	5.0/4.0	5.0/4.0
5.5		Service brake		Electromagnetic	Electromagnetic
Motor	6.1	Drive motor power	kw	0.75	1.5
	6.2	Lift motor power	kw	2.2	2.2
	6.3	Battery type		Lead-acid	Lead-acid
	6.4	Battery voltage/capacity	V/Ah	24/100	24/150
	6.5	Charger	V/A	24/10	24/20
Others	7.1	Drive control mode		DC	AC
	7.2	Noise level at driver's ears according to En12053	dB(A)	70	70

The data is for reference only, please take the real object as references

Electric Pallet Truck (Side-standing Type)

CBDA



- Compact structure, comfortable operation, with heavy load, suitable for factory, workshop scenarios;
- Equipped with branded control system and multi-functional protection system, it offers higher level functional safety;
- EPS steering energy reduces 20% with accurate operation, flexible steering, relieving operators pressures and greatly improving the production ability;
- Equipped with full AC drive system, small volume, light weight, high efficiency, free-maintenance and carbon-brush replacement. No more maintenance and protection;
- Only by stepping on the pedal switch can the vehicle moves. Otherwise, it stops. This design improves the safety.
- Side-pull battery is easy to change, suitable for multi-shifting;
- Large power battery, long endurance and life expectancy;
- Electromagnetic brake. It stops from sliding when powers cut off.

Electric Pallet Truck (Rider Type)

CBDIII



- Equipped with branded control system and multi-functional protection system, it offers higher level functional safety;
- Equipped with vertical branded gear box, multi-functional solutions and flexible module construction system. Optimized gear meshing technology can reduce the noise and offer high performance and efficiency.
- Equipped with full AC drive system, small volume, light weight, high efficiency, free-maintenance and carbon-brush replacement. No more maintenance and protection;

Characteristic			CBD50A	CBD60A	CBD70A	CBD80A	
	1.1	Model		CBD50A	CBD60A	CBD70A	CBD80A
1.2	Power (electricity, diesel, LPG, petrol, manual)		Electric	Electric	Electric	Electric	
1.3	Operation (manual, walkie, side-standing, picker)		Side-standing	Side-standing	Side-standing	Side-standing	
1.4	Steering type		EPS	EPS	EPS	EPS	
1.5	Rated load capacity	Q(kg)	5000	6000	7000	8000	
1.6	Load center distance	C(mm)	600	600	600	600	
1.7	Wheelbase	Y(mm)	1785	1940	1990	1990	
Weight	2.1	Service weight (incl. battery)	kg	2100	2150	2380	2430
Wheel/Chassis	3.1	Wheel type (The front/rear)		PU	PU	PU	PU
	3.2	Front wheel specification	∅×w(mm)	∅80*110	∅80*110	∅100*120	∅100*120
	3.3	The rear wheel specification	∅×w(mm)	∅254*102	∅382*142	∅382*142	∅382*142
	3.4	Balance Wheel specification	∅×w(mm)	∅150*50	∅180*76	∅180*76	∅180*76
Dimensions	4.1	Mast height, extended	H (mm)	225	240	270	270
	4.2	Forks surface height from the ground when lowering	H1(mm)	105	120	150	150
	4.3	Forks outer width	S1 (mm)	720	720	720	720
	4.4	Vehicle length	L (mm)	2215	2370	2450	2450
	4.5	Vehicle width	S(mm)	1090	1090	1260	1260
	4.6	Forks dimensions	s/e/l(mm)	70/215/1200	70/215/1200	120/270/1200	120/270/1200
	4.7	Stacking aisle width, pallet 1m×1.2m (1.0m cross forks)	Ast(mm)	2765	2990	3050	3050
Performance	4.8	The min. turning radius	Wa(mm)	2020	2190	2250	2250
	5.1	Travelling speed, unladen/full-loaded	km/h	5/4	5/4	4/3	4/3
	5.2	Lift speed unladen/full-loaded	m/s	0.042/0.04	0.050/0.048	0.052/0.050	0.052/0.048
	5.3	Lower speed unladen/full-loaded	m/s	0.35/0.045	0.035/0.050	0.04/0.055	0.04/0.055
	5.4	The max. gradability, unladen/full-loaded	%	8/5	8/5	6/4	6/4
Motor	5.5	Service brake		Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic
	6.1	Drive motor power	kw	3	4.5	6.5	6.5
	6.2	Lift motor power	kw	3DC	6.3	6.3	6.3
	6.3	Battery type		Lead-acid	Lead-acid	Lead-acid	Lead-acid
	6.4	Battery voltage/capacity	V/Ah	24/300	48/300	48/300	48/400
Others	6.5	Charger	V/A	24/40	48/40	48/40	48/50
	7.1	Drive control mode		AC	AC	AC	AC
	7.2	Noise level at driver's ears according to En12053	dB(A)	75	75	75	75

The data is for reference only, please take the real object as references

Characteristic			CBD20III	CBD25III	CBD30III	
	1.1	Model		CBD20III	CBD25III	CBD30III
1.2	Power (electricity, diesel, LPG, petrol, manual)		Electric	Electric	Electric	
1.3	Operation (manual, walkie, side-standing, picker)		Rider type	Rider type	Rider type	
1.4	Steering way		EPS	EPS	EPS	
1.5	Rated load capacity	Q(kg)	2000	2500	3000	
1.6	Load center distance	C(mm)	600	600	600	
1.7	Wheelbase	Y(mm)	1380	1380	1380	
Weight	2.1	Service weight (incl. battery)	kg	710	730	750
Wheel/Chassis	3.1	Wheel type (The front/rear)		PU	PU	PU
	3.2	Front wheel specification	∅ × w(mm)	∅80*80	∅80*80	∅80*80
	3.3	The rear wheel specification	∅ × w(mm)	∅230*75	∅230*75	∅230*75
3.4	Balance Wheel specification	∅ × w(mm)	∅125*50	∅125*50	∅125*50	
Dimensions	4.1	Mast height, extended	H (mm)	205	205	205
	4.2	Forks surface height from the ground when lowering	H1(mm)	85	85	85
	4.3	Forks outer width	S1(mm)	685/540	685/540	685/540
	4.4	Vehicle length(pedal folded/unfolded)	L (mm)	1825/2240	1825/2240	1825/2240
	4.5	Vehicle width	S(mm)	760	760	760
	4.6	Forks dimensions	s/e/l(mm)	55/175/1150	55/175/1150	55/175/1150
	4.7	Stacking aisle width, pallet 1m×1.2m (1.0m cross forks)(pedal folded/unfolded)	Ast(mm)	2220/2620	2220/2620	2220/2620
Performance	4.8	Load bearing distance	X (mm)	970	970	970
	4.9	The min. turning radius	Wa(mm)	1670/2070	1670/2070	1670/2070
	5.1	Travelling speed, unladen/full-loaded	km/h	6/5.5	6/5.5	6/5
	5.2	Lift speed unladen/full-loaded	m/s	0.043/0.040	0.043/0.040	0.043/0.040
	5.3	Lower speed unladen/full-loaded	m/s	0.035/0.445	0.035/0.445	0.035/0.445
Motor	5.4	The max. gradability, unladen/full-loaded	%	10/8	10/8	10/6
	5.5	Service brake		Electromagnetic	Electromagnetic	Electromagnetic
	6.1	Drive motor power	kw	1.5	1.5	1.5
	6.2	Lift motor power	kw	0.8	0.8	0.8
	6.3	Battery type		Lead-acid	Lead-acid	Lead-acid
Others	6.4	Battery voltage/capacity	V/Ah	24/210	24/210	24/210
	6.5	Charger	V/A	24/30	24/30	24/30
	7.1	Drive control mode		AC	AC	AC
	7.2	Noise level at driver's ears according to En12053	dB(A)	75	75	75

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Electric Luggage Tow Tractor EPQ



- Low noise, pollution free, large towing capacity, widely suitable for airport, freight service spot, yard, wharf, warehouse and other industries;
- The front and rear axles utilize a suspension system with torsion beam structure with shock absorbers, leaf spring and damping devices;
- Special high-strength arch-design cab. Double rows seating layout, two doors design. Fans, parking air conditioner are optional.

Type		EPQ300		
Power		Lithium iron phosphate battery		
Performance	Max. hitch towing capacity	KN	28.8	
	Rated hitch towing capacity		13.2	
	Rated towing capacity	Kg	30000	
	Single unit towing capacity		25	
	Max. drive speed	Moving forward(unladen/full-loaded)	Km/h	10
		Moving backward		3200
	Min. turning radius	Wa	mm	30
Max. gradability when unladen		%	5.7	
Max. brake distance	Without trailer	m	4.7	
	Rated towing capacity			
Appearance dimensions	Overall length (Tow pin included)	l1	3135	
	Overall width	b1	1440	
	Overall height (With cab, siren light)	h1	mm	2185
	The front wheelbase	b2		1220
	The rear wheelbase	b3		1190
	Wheelbase	Y		1600
	Tow pin hitch height up/down	h3		310/400
	Min. ground clearance	m2		165
Tyre	Tyre specifications	The front wheel		6.50-10 PR
		The rear wheel		7.00-15 PR
Weight	Overall vehicle weight (with cab)	Kg	4030	
Motor	Rated power	kW	23	
Battery	Voltage/capacity	V/Ah	80V /600Ah	
Charger	Voltage/current	V/A	80V/80A	
Steering	Hydraulic power steering			
Brake	Vacuum power brake system			
	Drive brake	Drum brake (the rear), Disc brake (the front)		
	Parking brake	Mechanical rear wheel brake		

The data is for reference only, please take the real object as references

10-15T Electric Tow Tractor EPQ-B



- Scenarios application: factory, workshop, wharf, port, airport. The spacious luggage compartment offers towing services for cargo loading or unloading from the aircraft;
- Full AC driving system, with branded controller. High accuracy and efficiency. Automobile trouble-shooting;
- New circumnavigation-style electric power steering system. Higher transmission efficiency. Comfortable operation and long life expectancy.

Type		EPQ100		EPQ120		EPQ150	
Power		Lead-acid		Lead-acid		Lead-acid	
Performance	Max. hitch towing capacity	KN	8.5	11.3	12.3		
	Rated hitch towing capacity		2.2	2.56	3.8		
	Rated towing capacity	Kg	10000	12000	15000		
	Single unit towing capacity		12/6.0	16.0/8	16.0/8		
	Max. drive speed	Moving forward(unladen/full-loaded)	Km/h	6	10	10	
		Moving backward		2890	2890	2890	
	Min. turning radius	Wa	mm	20	25	20	
Max. gradability when unladen		%	2.8	2.8	2.8		
Max. brake distance	Without trailer	m	2.3	2.3	2.3		
	Rated towing capacity						
Appearance dimensions	Overall length (Tow pin included)	l1	2460	2460	2540		
	Overall width	b1	1150	1150	1150		
	Overall height (With cab, siren light)	h1	mm	2190	2190	2190	
	The front wheelbase	b2		1010	1010	1010	
	The rear wheelbase	b3		985	985	985	
	Wheelbase	Y		1530	1530	1530	
	Tow pin hitch height up/down	h3		350/450	350/450	350/450	
	Min. ground clearance	m2		105	105	105	
Tyre	Tyre specifications	The front wheel		5.00-8	5.00-8	5.00-8	
		The rear wheel		6.00-9	6.00-9	6.00-9	
Weight	Overall vehicle weight (with cab)	Kg	1950	2130	2450		
Motor	Rated power	kW	8	9	12		
Battery	Voltage/capacity	V/Ah	48V /400Ah	80V /300Ah	80V /375Ah		
Charger	Voltage/current	V/A	48V/50A	80V/40A	80V/40A		
Steering	Electronic power steering						
Brake	Drive brake	Drum brake (the rear)					
	Parking brake	Mechanical rear wheel brake					

The data is for reference only, please take the real object as references

Electric Tow Tractor (Seated Type)

EPQ-B



- Equipped with adjustable towing pin, it meets various towing needs;
- 4-6t luggage compartment offers towing services for cargo loading or unloading from the aircraft;
- Equipped with branded control system and multi-functional protection system, it offers higher level functional safety;
- EPS steering energy reduces 20% with accurate operation, flexible steering, greatly improving the production ability;
- AC driving system, large torsion. Strong gradability and strong power ensures steady driving even in uneven road and slope;
- Large diameter solid tyre, suitable for various road conditions;
- Emergency power off switch, as a standard configuration, is pressed to cut off all power. The vehicle immediately stops by power cutting off to ensure secure protection;
- Battery gauge configuration reminds user to charge promptly for battery protection;
- Customized electromagnetic or laser navigation AGV.

Electric Tow Tractor (Rider Type)

EPQ-A



- Equipped with branded control system and multi-functional protection system, it offers higher level functional safety;
- Equipped with vertical branded gear box, multi-functional solutions Optimized gear meshing technology can reduce the noise and offer high performance and efficiency;
- AC drive system, small volume, free-maintenance and carbon-brush replacement. No more maintenance and protection;
- EPS steering system, flexible operation, enhances driving stability;
- Driving continuously variable, safety, mute, emergency reverse switch, emergency brake switch;
- Low gravity, strong driving stability;
- Multi-functional handle, integrate control(accelerate, horn, emergency anti-collision. Ergonomic design offers great comfort;
- Spacious operation space offers comfortable driving experience;
- Intelligent electronic braking system prevents vehicle from sliding;
- Customized electromagnetic or laser navigation AGV.

Characteristic	1.1 Model		EPQ20B	EPQ30B	EPQ40B	EPQ60B
		1.2 Power (electricity, diesel, LPG, petrol, manual)		Electric	Electric	Electric
	1.3 Operation (manual, walkie, side-standing, picker)		Seated Type	Seated Type	Seated Type	Seated Type
	1.4 Rated towing weight	Q(kg)	2000	3000	4000	6000
	1.5 Rated hitch towing capacity	C(N)	500	750	1000	1500
	1.6 Wheelbase	Y(mm)	1040	1040	1355	1355
Weight	2.1 Service weight (incl. battery)	kg	750	800	1000	1200
	2.2 Battery weight	kg	180	205	355	550
Wheel/Chassis	3.1 Wheel type		Rubber solid tyre	Rubber solid tyre	Rubber solid tyre	Rubber solid tyre
	3.2 Front wheel specification	ø×w(mm)	3.50-5	3.50-5	3.50-5	3.50-5
	3.3 Rear wheel specification	ø×w(mm)	4.00-8	4.00-8	4.00-8	4.00-8
	3.4 Overall vehicle height	h1 (mm)	1338	1338	1435	1435
Dimensions	4.1 Seat height	h2 (mm)	880	880	900	900
	4.2 Towing pin height	h3(mm)	300/380	300/380	310/410	310/410
	4.3 Rear overhang	h13(mm)	480	480	492	492
	4.4 Loading platform width	mm	/	/	420	420
	4.5 Vehicle body length	l2(mm)	1710	1710	2030	2030
	4.6 Vehicle body width	b1(mm)	845	845	985	985
Performance	4.8 Ground clearance	m2	100	100	100	100
	4.9 Pedal height	h4(mm)	400	400	380	380
	5.1 Turning radius	Wa(mm)	1460	1460	1700	1700
	5.2 Travelling speed, unladen/full-loaded	km/h	7/5	7/5	7/5	7/5
	5.3 The max. gradability, unladen/full-loaded	%	10/8	8/6	8/4	10/5
Motor	5.4 The max. towing power, full-loaded	N	1000	2200	3000	3200
	5.5 Service brake		Mechanic+hydraulic	Mechanic+hydraulic	Mechanic+hydraulic	Mechanic+hydraulic
	6.1 Drive motor power	kw	2.5	2.5	3	4.5
	6.2 Battery type		Lead-acid	Lead-acid	Lead-acid	Lead-acid
	6.3 Battery voltage/capacity	V/Ah	24/210	24/240	24/350	48/280
Others	6.4 Charger	V/A	24/30	24/30	24/50	48/40
	6.5 Drive control mode		AC	AC	AC	AC
7.1 Noise level at driver's ears according to En12053	dB(A)	75	75	75	75	

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Characteristic	1.1 Model		EPQ30A
		1.2 Power (electricity, diesel, LPG, petrol, manual)	
	1.3 Operation (manual, walkie, side-standing, picker)		Rider type
	1.4 Rated towing weight	Q(kg)	3000
	1.5 Rated hitch towing capacity	C(N)	600
	1.6 Wheelbase	Y(mm)	967
Weight	2.1 Service weight (incl. battery)	kg	560
	2.2 Battery weight	kg	180
Wheel/Chassis	3.1 Wheel type		PU
	3.2 Front wheel specification	ø×w(mm)	φ150X50
	3.3 Rear wheel specification	ø×w(mm)	φ230X75
Dimensions	4.1 Overall vehicle height	h1(mm)	1550
	4.2 Towing pin height	h3(mm)	200-270
	4.3 Vehicle body length	l2(mm)	1380
	4.4 Vehicle body width	b1(mm)	850
	4.5 Ground clearance	m2(mm)	50
	4.6 Turning radius	Wa(mm)	1160
Performance	5.1 Travelling speed, unladen/full-loaded	km/h	6.7/4
	5.2 The max. gradability, unladen/full-loaded	%	8/6
	5.3 The max. towing power, full-loaded	N	1800
	5.4 Service brake		Electromagnetic
Motor	6.1 Drive motor power	kw	1.5
	6.2 Battery type		Lead-acid
	6.3 Battery voltage/capacity	V/Ah	24/210
	6.4 Charger	V/A	24/30
Others	7.1 Drive control mode		AC
	7.2 Noise level at driver's ears according to En12053	dB(A)	75

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Customized (Including AGV)

