

# **KRC**

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## **CRANE SYSTEMS**

# **BROCHURE**

**WAREHOUSING TRANSPORT**

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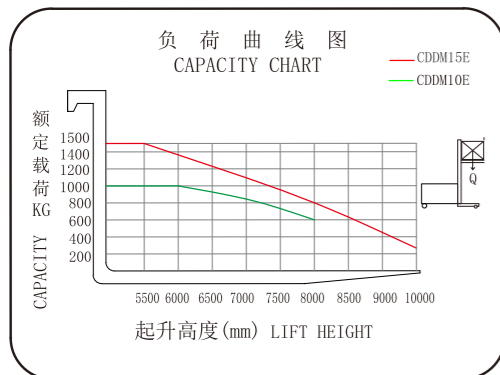
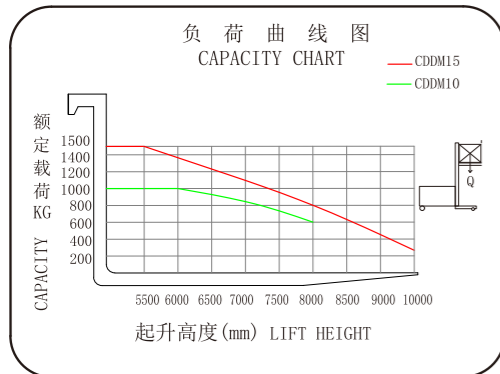
# Electric Industrial Vehicles

## 3-Way Electric Pallet Stacker CDDM/CDDM-E

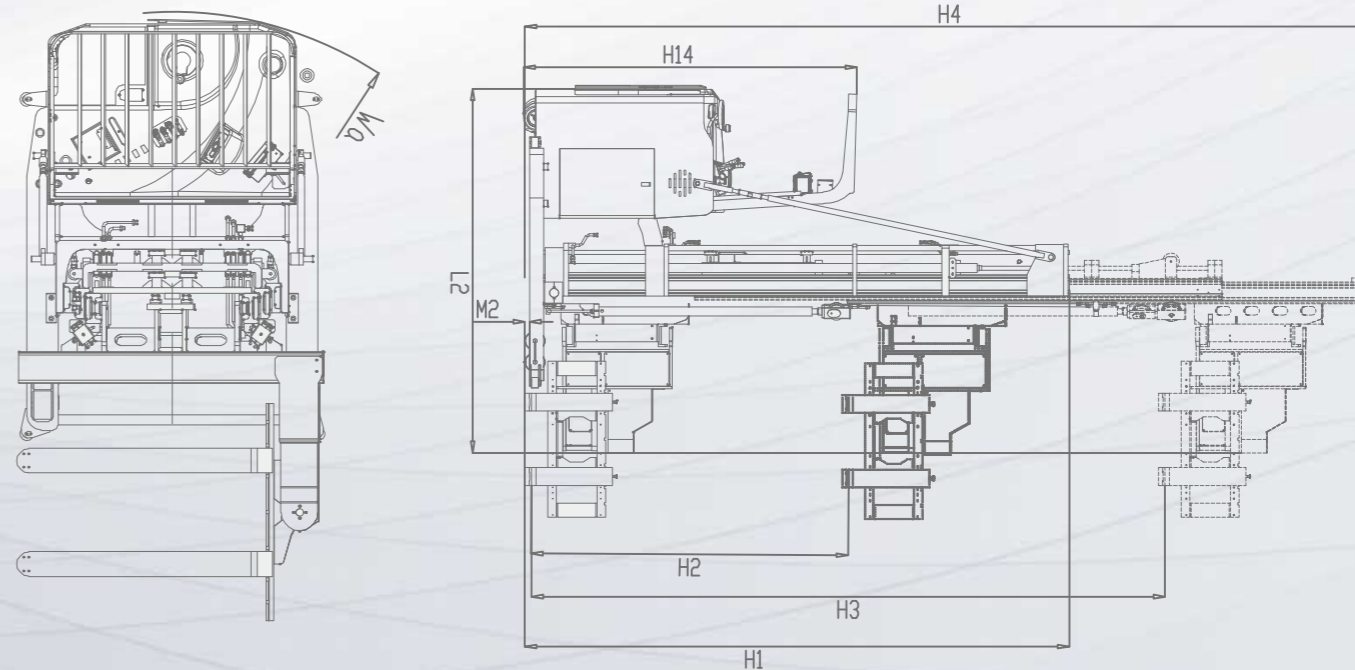


侧站式

- Under the condition of the vehicle does not turn, each series of models of the electric forklift can control the fork to complete rotation, left or right side shift when mast in high position, to achieve the purpose of loading and unloading goods in three directions.
- This electric forklift is the first choice for dense storage, warehouse expansion and transformation. The minimum channel is only 1600mm, which saves space and greatly improves the storage capacity.
- The rail guide wheel device realizes the automation of the steering control, allowing the vehicle to smoothly pass through the smallest width channel.
- The American Curtis control system has multiple automatic protection systems to provide a higher level of functional safety.
- The high-strength German Krupp steel mast is not easy to be deformed, and it runs smoothly and reliably. The vibration of the mast is small when it rises and falls, and the operation is more comfortable.
- Equipped with a large-screen high-definition display with camera, electronic display, timing, fault display and excellent digital transmission, it can display the information of the vehicle's operating status in real time, which is convenient for troubleshooting and maintenance.
- Magnetic navigation/laser navigation AGV can be customized.



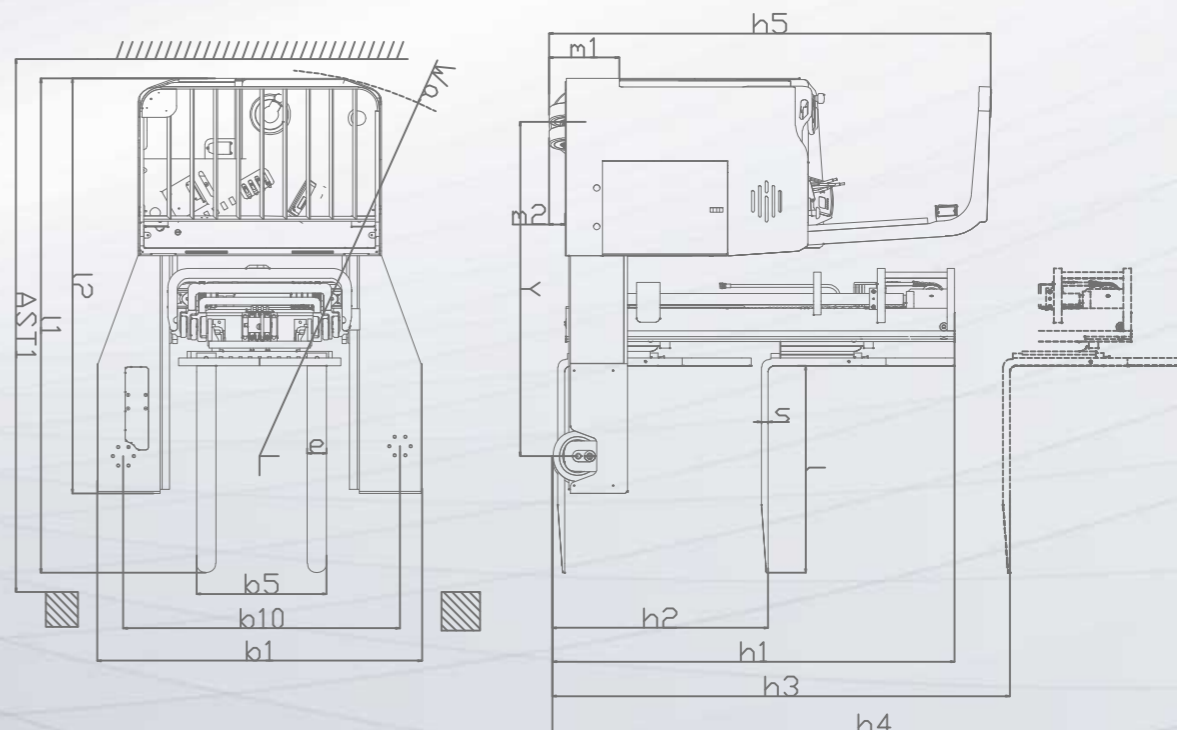
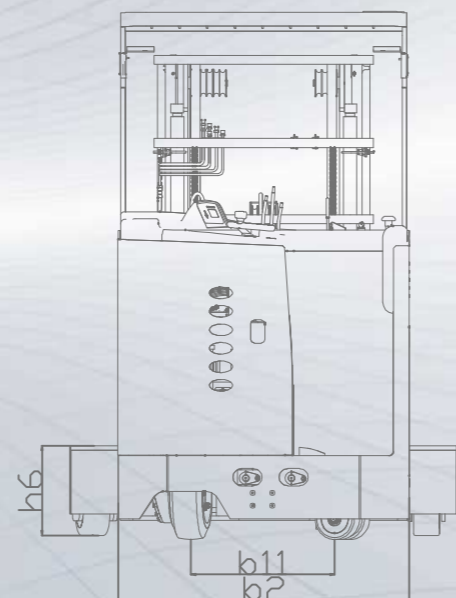
座驾式



### 三向堆垛叉车 (CDDM)

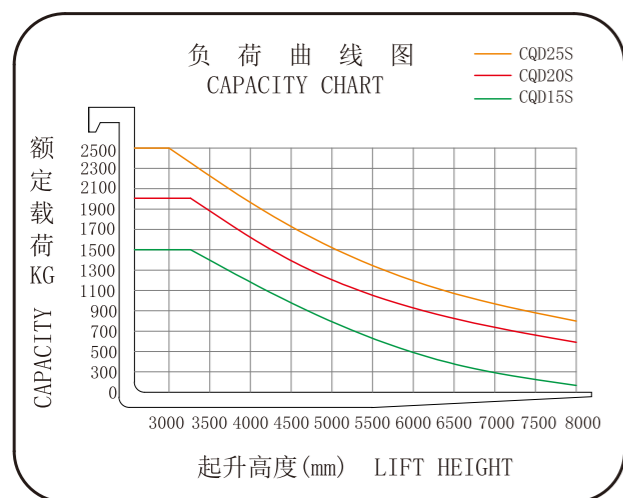
#### 3-Way Electric Pallet Stacker CDDM/CDDM-E

特性 Characteristics	1.1	型号 Model No.	CDDM10-60S	CDDM15-60S	CDDM15E-60S	
	1.2	动力类型 Power Type	电动 Electric	电动 Electric	电动 Electric	电动 Electric
1.3	操作方式 Operation Type	站驾式 Stand Type	站驾式 Stand Type	站驾式 Stand Type	站驾式 Seated Type	
1.4	额定载重能力 Capacity	Q(kg)	1000	1500	1500	
1.5	载荷中心距 Load Center	C(mm)	500	600	500	
重量 Total Weight	2.1	含蓄电池时自重 Total Weight(with Battery)	kg	<5200	<6300	<6500
轮子、底盘 Wheels,Chassis	3.1	轮子种类 Wheel Type		聚氨酯 PU	聚氨酯 PU	聚氨酯 PU
	3.2	驱动轮规格 Driving Wheel	Φ×w(mm)	Φ382*142	Φ382*142	Φ400*160
	3.3	前轮规格 Front Wheel	Φ×w(mm)	Φ145*100	Φ145*100	Φ145*100
	3.4	平衡轮规格 Balance Wheel	Φ×w(mm)	Φ180*76	Φ180*76	0
	3.5	轮距 (前轮) Wheelbase (Front Wheel)	b10(mm)	1210	1315	1315
尺寸 Dimension	4.1	门架闭合高度 Mast Lowered Height	h1(mm)	3165	3165	3165
	4.2	自由提升高度 Freel Lift Height	h2(mm)	1980	1980	1980
	4.3	提升高度 Lift Height	h3(mm)	6000	6000	6000
	4.4	作业时门架最大高度 Max. Height when Lifting	h4(mm)	7165	7185	7185
	4.5	护顶架高度 Height of overhead Guards	h14(mm)	2280	2280	2180
	4.6	车体长度(含货叉/不含货叉) Overall Length(Fork forward/back)	l2(mm)	3885/2680	3920/2655	4060/2740
	4.7	车体宽度 Overall Width	b1(mm)	1445	1550	1567
	4.8	防撞护轨宽度 Channel Guide Width	(mm)	1500	1600	1625
	4.9	货叉尺寸 Fork Size	s/e/l(mm)	40/122/1070	45/125/1220	45/125/1220
	4.10	货叉调节尺寸 Fork Spread (Customizable)	b5(mm)	260-650	260-650	260-650
	4.11	最小离地间隙 (轴距中心) Min. Groud Clearance	m2(mm)	32	32	32
	4.12	堆垛通道宽度 Channel Shelf Width	Ast(mm)	1600 (1000*1000 Pallet)	1760 (1200*1200 Pallet)	1760 (1200*1200 Pallet)
	4.13	通道导轨高度 Channel Guide Height	(mm)	120	120	120
	4.14	最小转弯半径 Min. Turning Radius	Wa(mm)	1910	1910	1940
	4.15	主通道宽度 Main Channel Width	mm	3330	3450	3450
性能 Performance	5.1	最大行驶速度, 空载/满载 Max. Travel Speed(Unload/Load)	km/h	8/7	8/7	8/7
	5.2	上升速度, 空载/满载 Lifting Speed(Unload/Load)	m/s	0.275/0.215	0.275/0.215	0.275/0.215
	5.3	下降速度, 空载/满载 Decnet Speed(Unload/Load)	m/s	0.150/0.195	0.150/0.195	0.150/0.195
	5.4	行车制动 Driving Brake		电磁制动 Electromagnetic	电磁制动 Electromagnetic	电磁制动 Electromagnetic
电机、电池、充电器 Motor,Charger	6.1	驱动电机功率 Driving Motor	kw	6.5 AC	6.5 AC	8 AC
	6.2	提升电机功率 Lifting Motor	kw	7.5 DC	8.6 AC	8.6 AC
	6.3	蓄电池类型 Battery Type		铅酸电池 Lead Acid	铅酸电池 Lead Acid	铅酸电池 Lead Acid
	6.4	蓄电池电压/容量 Battery Capacity	V/Ah	48V/400Ah	48V/400Ah	48V/400Ah
	6.5	充电器 Charger	V/Ah	48V/50A	48V/50A	48V/50A
其他 Other	7.1	驱动控制方式 Control Model		交流 AC	交流 AC	交流 AC



## Four direction forklift CQD-S

1. Four-way driving, suitable for narrow aisle stacking operation, especially for long material handling, greatly saving storage area, straight&side going can be fast switched, simple operation, rapid switching, high efficiency, fewer failures.
2. The American Curtis control system has multiple automatic protection systems to provide a higher level of functional safety.
3. The intelligent high-definition display instrument, can display real-time information of vehicle operation, but also provide fault display, easy to troubleshoot and repair.
4. Full AC drive system, faster response, more accurate control, and thus improve the vehicle performance.
5. EPS electronic assistant steering system, more convenient and flexible operation, improve high-speed operation stability.
6. Driving Wheel Angle real-time display, easy to narrow aisle direction fine adjustment, safe and reasonable, accurate identification.
7. Large capacity special power battery, strong power, safe and reliable, convenient charging, long cycle life, low maintenance cost.
8. Side-pull type battery is suitable for multi-shift operation, with standard battery trolley for easy replacement.
9. The electromagnetic forklift truck has the characteristics of quick stopping and automatic braking.
10. Magnetic navigation/laser navigation AGV can be customized.



### 四向前移式叉车 (CQD-S)

#### 4 Direction Forklift CQD-S

特性 Characteristics	1.1 型号 Model No.		CQD15S	CQD20S	CQD25S
	1.2 操作方式 Operation Type		侧站式 Stand Type	侧站式 Stand Type	侧站式 Stand Type
重量 Total Weight	1.3 额定载荷能力 Capacity	Q(kg)	1500	2000	2500
	1.4 载荷中心距 Load Center	C(mm)	500	500	500
	1.5 前悬距离 Front Overhang	X(mm)		238	
	1.6 轴距 Wheelbase	Y(mm)	1622	1722	1822
	2.1 含蓄电池时自重 Total Weight(with Battery)	kg	3400	3500	3800
	轮子、底盘 Wheels,Chassis	3.1 轮子种类 Wheel Type		聚氨酯 PU	聚氨酯 PU
3.2 前轮规格 Front Wheel		φ×w(mm)	φ267*114	φ267*114	φ267*114
3.3 驱动轮规格 Driving Wheel		φ×w(mm)	φ382*142	φ382*142	φ382*142
3.4 平衡轮规格 Balance Wheel		φ×w(mm)	φ180*76	φ180*76	φ180*76
3.5 轮距(前轮) Wheelbase (Front Wheel)		b10(mm)	1430	1430	1430
3.6 轮距(后轮) Wheelbase (Rear Wheel)		b11(mm)	703	703	703
尺寸 Dimension	4.1 门架闭合高度 Mast Lowered Height	h1(mm)	2110	2110	2110
	4.2 自由提升高度 Freel Lift Height	h2(mm)	1500	1500	1500
	4.3 提升高度 Lift Height	h3(mm)	4500	4500	4500
	4.4 作业时门架最大高度 Max. Height when Lifting	h4(mm)	5416	5416	5416
	4.5 护顶架高度 Height of overhead Guards	h14(mm)	2280	2280	2280
	4.6 门架缩回时货叉高度 Fork Height When Mast Closed	h13(mm)	35	40	45
	4.7 门架倾角 前/后 Mast Tilt Angle Forward/Backward	°	3/5	3/5	3/5
	4.8 整车长度(含货叉) Overall Length(When Fork Back)	l1(mm)	2505	2585	2615
	4.9 车体长度(不含货叉) Vehicle Body Overall Length(Without Fork)	l2(mm)	2046	2146	2246
	4.10 车体宽度 Overall Width	b1(mm)	1680	1680	1680
	4.11 货叉尺寸 Fork Size	s/e/l(mm)	35/100/1070	40/122/1070	45/125/1070
	4.12 货叉调节尺寸 Fork Spread (Customizable)	b5(mm)	210-700	260-700	260-700
	4.13 前移距离 Reach Stroke	l4(mm)	655	700	780
	4.14 最小离地间隙(轴距中心) Min. Ground Clearance	m2(mm)	80	80	80
	4.15 堆垛通道宽度, 托盘1000*1200 (1200沿货叉放置) Aisle Width for Pallet 1000*1200 Crossaway	Ast(mm)	2700	2750	2855
	4.16 最小转弯半径 Min. Turning Radius	Wa(mm)	1905	2000	2105
性能 Performance	5.1 最大行驶速度, 空载/满载 Max. Travel Speed(Unload/Load)	km/h	8/7	8/7	8/7
	5.2 上升速度, 空载/满载 Lifting Speed(Unload/Load)	m/s	0.250/0.240	0.240/0.220	0.240/0.220
	5.3 下降速度, 空载/满载 Decnet Speed(Unload/Load)	m/s	0.240/0.260	0.240/0.260	0.240/0.260
	5.4 最大爬坡能力, 空/满载 Max. Climbing Ability (Unload/Load)	%	≤10	≤10	≤10
	5.5 行车制动 Driving Brake		电磁制动 Electromagnetic	电磁制动 Electromagnetic	电磁制动 Electromagnetic
电机、电池、充电器 Motor,Charger	6.1 驱动电机功率 Driving Motor	kw	6.5	6.5	6.5
	6.2 提升电机功率 Lifting Motor	kw	8.6	8.6	8.6
	6.3 蓄电池类型 Battery Type		铅酸电池 Lead Acid	铅酸电池 Lead Acid	铅酸电池 Lead Acid
	6.4 蓄电池电压/容量 Battery Capacity	V/Ah	48V300Ah	48V400Ah	48V400Ah
	6.5 充电器 Charger	V/Ah	48V/40A	48V/50A	48V/50A
其他 Other	7.1 驱动控制方式 Control Model		交流 AC	交流 AC	交流 AC



## 4-Wheel Electric Forklift CPD

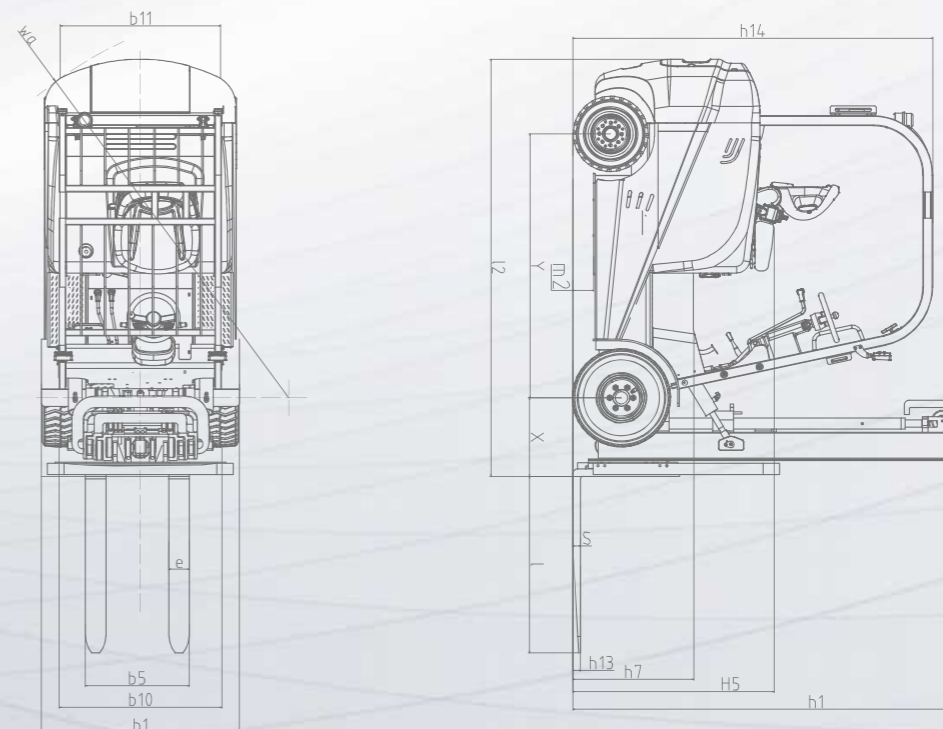
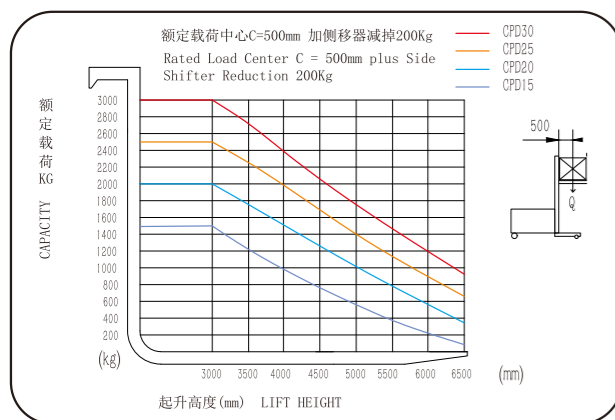
1. STREAMLINED DESIGN: The use of a new concept of the exterior design, reduce air friction to improve the speed of the Silver Fox, the use of beautiful lines can highlight the speed of the model and fluency, such as the Fox running in the wilderness, agile and quick-witted.

2. EXCELLENT PERFORMANCE: 48V AC control technology and Italy SME controller with industry advanced hydraulic system, protection level greater than or equal to IP4 level above, to ensure that the Silver Fox performance improved while significantly reducing energy consumption; The H-type bridge box has a compact structure, which improves the transmission efficiency, reduces the noise, simplifies the structure and is beneficial to the realization of lightweight. The Silver Fox can be equipped with a 550AH high-capacity storage battery (Lithium Battery 412AH), which has a longer running time than the forklift truck of the same class, guaranteed endurance;

3. MAINTENANCE & COMFORT ENHANCEMENT: The Silver Fox with the open cover design, break the traditional model of maintenance inconvenience

- Removal of counterweight cover, can directly replace the battery;
- Remove the left cover, can directly repair electronic control;
- The digital instrumentation system makes it easy for forklift truck to diagnose and repair.

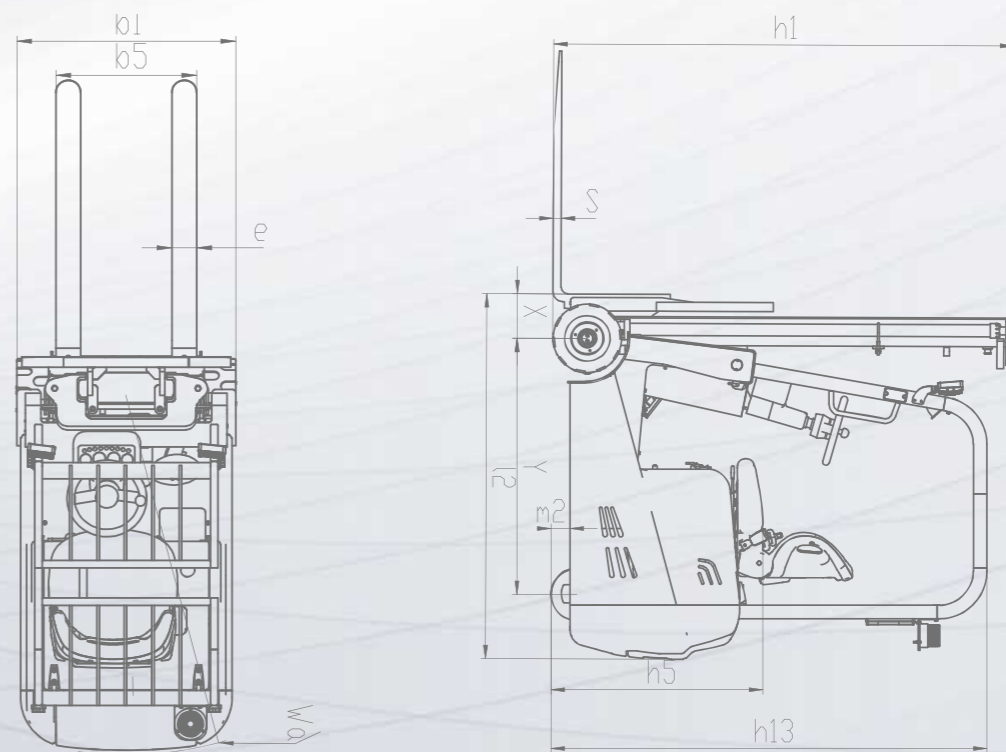
4. Ergonomic design of the console, adjustable cover-type lifting seat, compact lifting masts ensures a higher degree of comfort for the operator throughout the operation.



四支点平衡叉车 CPD

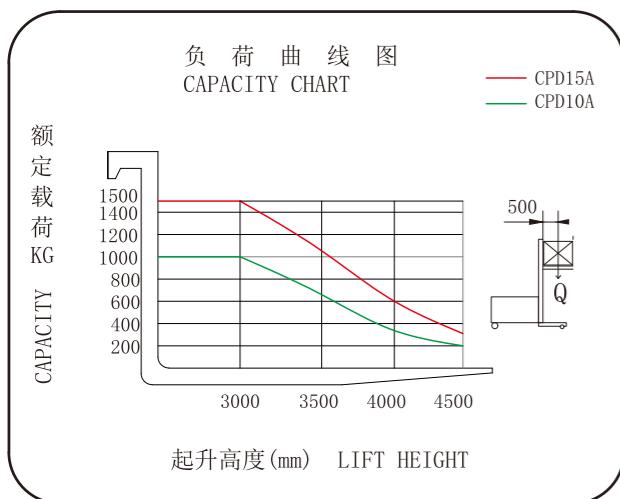
### 4-Wheel Electric Forklift CPD

特性 Characteristics	1.1	型号 Model No.	CPD15	CPD20	CPD25	CPD30	
	1.2	动力类型 Power Type	电动 Electric	电动 Electric	电动 Electric	电动 Electric	电动 Electric
1.3	操作方式 Operation Type	座驾 Seated Type	座驾 Seated Type	座驾 Seated Type	座驾 Seated Type	座驾 Seated Type	
1.4	额定载荷能力 Capacity	Q(kg)	1500	2000	2500	3000	
1.5	载荷中心距 Load Center	C(mm)	500	500	500	500	
1.6	前悬距离 Front Overhang	X(mm)	447	447	495	495	
1.7	轴距 Wheelbase	Y(mm)	1450	1600	1600	1600	
重量 Total Weight	2.1	含蓄电池时自重 Total Weight (with Battery)	kg	2850	3260	4210	4410
轮子、底盘 Wheels, Chassis	3.1	轮子种类 Wheel Type	充气胎 Inflatable Tires	实心胎 Solid Tires	实心胎 Solid Tires	实心胎 Solid Tires	
	3.2	前轮规格 Front Wheel	6.50-10	6.50-10	23×9-10	23×9-10	
	3.3	驱动轮规格 Driving Wheel	5.00-8	5.00-8	18×7-8	18×7-8	
	3.4	轮距, 前轮 Front Wheel Base	b10(mm)	910	970	970	
	3.5	轮距, 后轮 Rear Wheel Base	b11(mm)	930	930	950	
尺寸 Dimension	4.1	门架缩回时高度 Mast Lowered Height	h1(mm)	2095	2095	2095	
	4.2	自由提升高度 Free Lift Height	h2(mm)	80	80	80	
	4.3	提升高度 Lift Height	h3(mm)	3000	3000	3000	
	4.4	作业时门架最大高度 Max. Height When Lifting	h4(mm)	4110	4110	4110	
	4.5	护顶架高度 Height of Overhead Guards	h14(mm)	2190	2190	2185	
	4.6	门架缩回时货叉高度 Fork Clearance when Mast Lowered	h13(mm)	40	40	45	
	4.7	门架/货叉倾角 前/后 Mast/Fork Title Angle	°	6/10	6/10	6/12	
	4.8	车体长度 (不含货叉) Overall Length (Without Fork)	l2(mm)	2330	2330	2529	
	4.9	车体宽度 Overall Width	b1(mm)	1105	1105	1160	
	4.10	货叉尺寸 Fork Size	s/e/l(mm)	35/100/1070	40/122/1070	40/122/1070	
	4.11	货叉调节尺寸 Fork Spread	b5(mm)	244-1042	244-1042	244-1020	
	4.12	最小离地间隙 (轴距中心) Min. Ground Clearance	m2(mm)	130	130	130	
	4.13	堆垛通道宽度, 托盘1000×1200 (1200沿货叉放置) Aisle Width for Pallet 1000*1200 Crossaway	Ast(mm)	3857	3857	4015	
	4.14	堆垛通道宽度, 托盘1000×1200 (1000沿货叉放置) Aisle Width for Pallet 1200*1000 Crossaway	Ast(mm)	4015	4015	4170	
	4.15	最小转弯半径 Min. Turning Radius	Wa(mm)	2090	2090	2200	
性能 Performance	5.1	最大行驶速度, 空/满载 Max. Travel Speed(Unload/Load)	km/h	12/11	12/11	12/11	
	5.2	上升速度, 空载/满载 Lifting Speed(Unload/Load)	m/s	0.205/0.221	0.196/0.214	0.210/0.215	
	5.3	下降速度, 空载/满载 Decnet Speed(Unload/Load)	m/s	0.350/0.260	0.365/0.240	0.365/0.240	
	5.4	最大爬坡能力, 空/满载 Max. Climbing Ability (Unload/Load)	%	20/15	20/15	20/12	
	5.5	行车制动 Brake Type		液压 Hydraulic	液压 Hydraulic	液压 Hydraulic	
电机、电池、充电机 Motor, Charger	6.1	驱动电机功率 Driving Motor	kw	8	8	11	
	6.2	提升电机功率 Lifting Motor	kw	8.6	8.6	12	
	6.3	蓄电池类型 Battery Type		铅酸 Lead Acid	铅酸 Lead Acid	铅酸 Lead Acid	
	6.4	蓄电池电压/容量 Battery Vol./Capacity	V/Ah	48V/400Ah	48V/450Ah	48V/480Ah	
	6.5	充电机 Charger	V/A	48V/50A	48V/60A	48V/60A	
其他 Other	7.1	驱动控制方式 Control Model		交流 AC	交流 AC	交流 AC	



## 3-Wheel Electric Forklift CPD-A

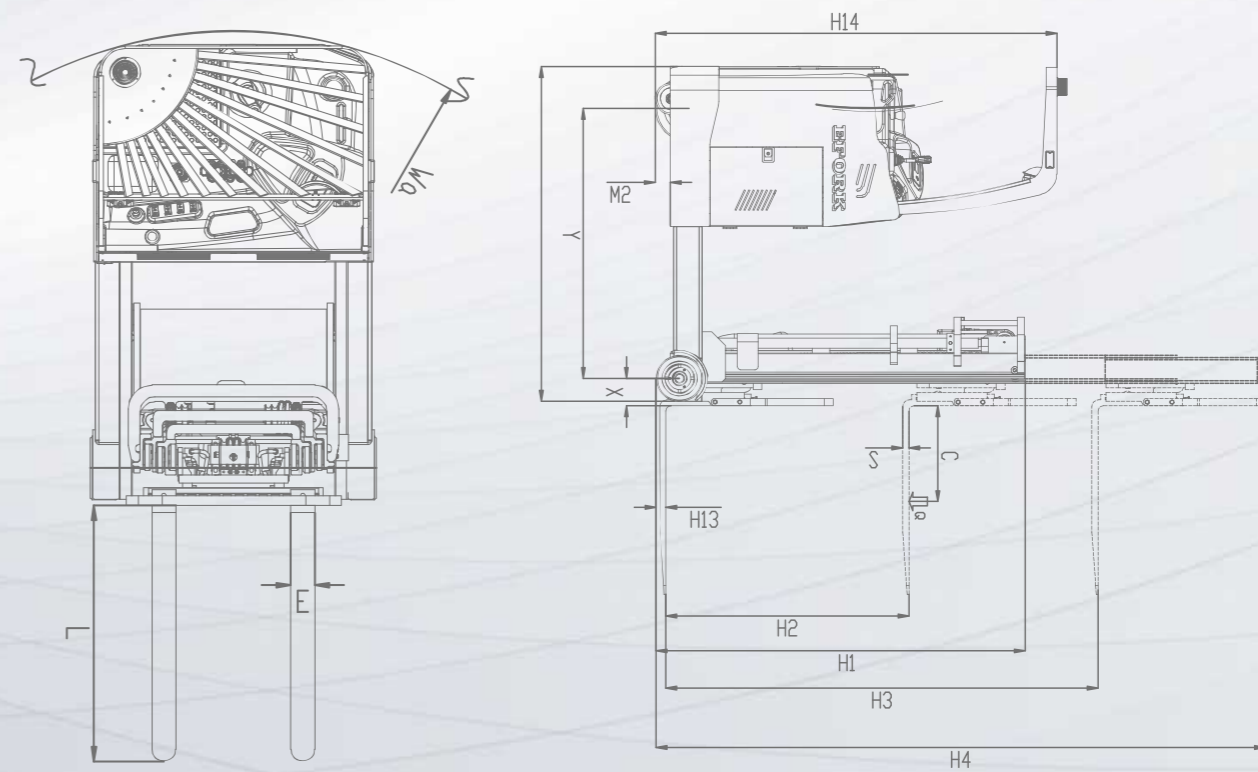
1. Small Size, light weight, small transition radius, easy access to the elevator, suitable for floor and container operations, improve the passage and space utilization.
2. The American Curtis control system has multiple automatic protection systems to provide a higher level of functional safety.
3. German ZF gearbox, multi-functional solution and flexible construction module system, optimized gear meshing technology to reduce operating noise, to provide high performance and efficient use experience to customers.
4. EPS steering energy consumption reduced ~ 20% , accurate operation, steering light flexible, reduce driver fatigue. A big increase in productivity.
5. Equipped with full AC drive system, with small size, light weight, high efficiency, maintenance-free features, avoided the trouble of replacing carbon brush in DC motor, no more maintenance.
6. Lifting overload protection, hydraulic system explosion-proof design, even if the tubing burst, the mast will not fall quickly, improve safety.
7. The front wheel is a solid rubber tire with strong grip and smooth running.
8. The mast is designed with cushioning system and tilting forward and backward function.
9. The electric control automatic braking and foot brake are used to ensure the safety of the vehicle on the ramp.



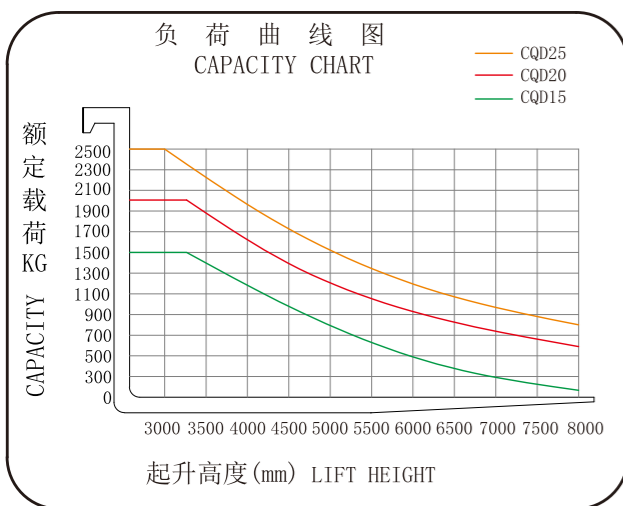
三支点平衡重叉车 CPD-A

3-Wheel Electric Forklift CPD-A

特性 Characteristics	CPD10A		CPD15A		
	型号 Model No.	动力类型 Power Type	座驾 Seated Type	座驾 Seated Type	
重量 Total Weight	1.1	型号 Model No.	CPD10A	CPD15A	
	1.2	动力类型 Power Type	电动 Electric	电动 Electric	
	1.3	操作方式 Operation Type	座驾 Seated Type	座驾 Seated Type	
	1.4	额定载重能力 Capacity	Q(Kg)	1000	1500
	1.5	载荷中心距 Load Center	C(mm)	500	500
	1.6	前悬距离 Front Overhang	X(mm)	196	196
	1.7	轴距 Wheelbase	Y(mm)	1130	1130
轮子、底盘 Wheels,Chassis	2.1	含蓄电池时自重 Total Weight (with Battery)	kg	1700	2150
	3.1	轮子种类 Wheel Type	前轮橡胶/后轮聚氨酯 Front Solid Tires/Rear PU Tires		
	3.2	驱动轮规格 Driving Wheel	φ×w(mm)	φ230×75	φ230×75
	3.3	前轮规格 Front Wheel	φ×w(mm)	φ305×127	φ305×127
尺寸 Dimension	3.4	轮距, 前轮 Front Wheel Base	mm	752	752
	4.2	门架缩回时高度 Mast Lowered Height	h1 (mm)	2035	2035
	4.3	自由提升高度 Free Lift Height	h2 (mm)	0	0
	4.4	提升高度 Lift Height	h3 (mm)	3000	3000
	4.5	作业时门架最大高度 Max. Height When Lifting	h4 (mm)	3918	3918
	4.6	护顶架高度 Height of Overhead Guards	h13 (mm)	1930	1930
	4.7	门架缩回时货叉高度 Fork Clearance when Mast Lowered	h (mm)	35	35
	4.8	车体长度 (不含货叉) Overall Length (Without Fork)	l2 (mm)	1587	1587
	4.9	车体宽度 Overall Width	b1 (mm)	850	850
	4.10	货叉尺寸 Fork Size	s/e/l (mm)	35/100/1070	35/100/1070
	4.11	货叉调节尺寸 Fork Spread	b5 (mm)	210-566	210-566
	4.12	最小离地间隙 (轴距中心) Min. Ground Clearance	m2 (mm)	35	35
	4.13	堆垛通道宽度, 托盘1000×1200 (1200沿货叉放置) Aisle Width for Pallet 1000*1200 Crossaway	Ast (mm)	2931	2931
	4.14	最小转弯半径 Min. Turning Radius	Wa (mm)	1425	1425
性能 Performance	5.1	最大行驶速度, 空/满载 Max. Travel Speed(Unload/Load)	km/h	5.2/5	5.2/5
	5.2	上升速度, 空载/满载 Lifting Speed(Unload/Load)	m/s	0.135/0.095	0.135/0.090
	5.3	下降速度, 空载/满载 Decnet Speed(Unload/Load)	m/s	0.085/0.120	0.085/0.120
	5.8	最大爬坡能力, 空/满载 Max. Climbing Ability (Unload/Load)	%	8/6	8/6
	5.1	行车制动 Brake Type		液压+电磁 Hydraulic+ Electromagnetic	
电机, 电池, 充电机 Motor, Charger	6.1	驱动电机功率 Driving Motor	kw	AC 1.5	AC 2.5
	6.2	提升电机功率 Lifting Motor	kw	DC 3.0	DC 3.0
	6.3	蓄电池类型 Battery Type		铅酸 Lead Acid	铅酸 Lead Acid
	6.4	蓄电池电压/电容 Battery Vol./Capacity	V/Ah	24V/270Ah	24V/300Ah
	6.5	充电机 Charger	V/A	24V/40A	24V/40A
其他 Other	7.1	驱动控制方式 Control Model		交流 AC	交流 AC



# Electric Reach Forklift (Stand Type) 48V CQD

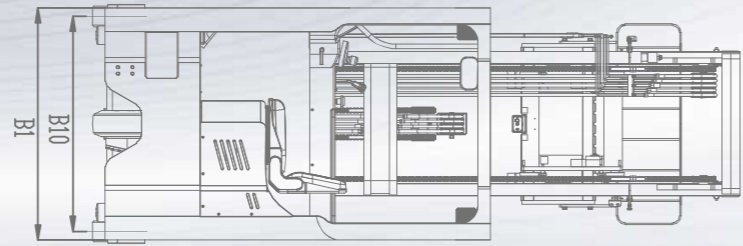


- The forklift body structure is tight and the operation is more flexible. The driving unit is fixed in the central position, with low center of gravity and good stability. It is suitable for cargo storage applications with high purity and high lift.
- With the characteristics of overall forward movement of the gantry, the turning radius is small, and the obstacles at the bottom of the shelf can be ignored. It is suitable for any operation occasions with limited space, and it is more convenient to pick up and place goods.
- Equipped with full AC drive system, it has the characteristics of strong climbing ability, maintenance free, regenerative braking, good working stability and high efficiency. It eliminates the trouble of replacing carbon brushes of DC motor and has no more maintenance.
- Curtis electric control has multiple automatic protection systems to provide a higher level of functional safety.
- The intelligent high-definition display instrument can display the information of vehicle operation status in real time and provide fault display for troubleshooting and maintenance.
- EPS steering energy consumption is reduced by about 20%, operation is accurate, driver fatigue is reduced and productivity is greatly improved.
- The fork is equipped with forward and backward tilting function as standard to prevent goods from tipping and improve load stability.
- Side pull battery is suitable for multi shift occasions. It is equipped with battery roller trolley as standard, which is more convenient to replace.
- The high-level lifting above 6m adopts high-strength German Krupp steel portal frame, which is not easy to deform and easy to transport, The running is stable and reliable.

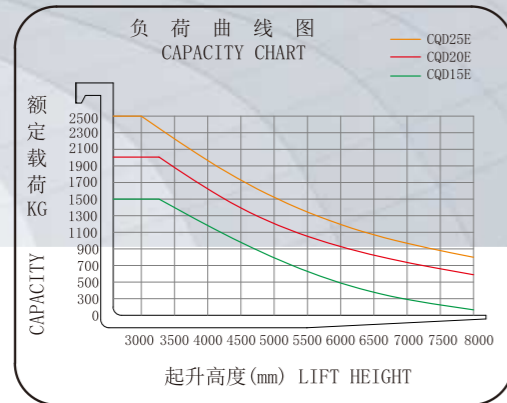
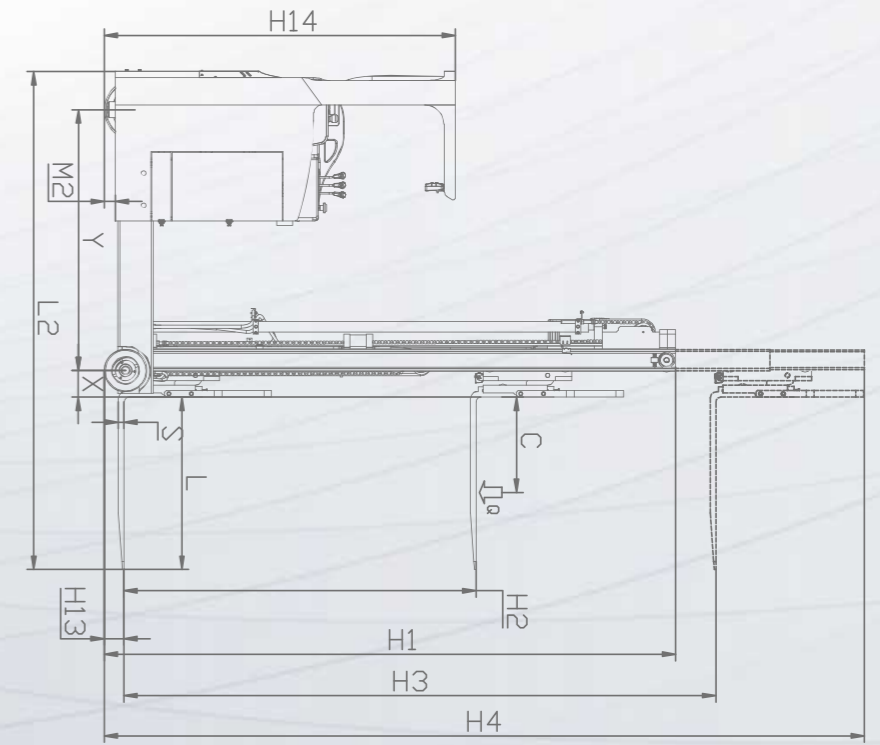
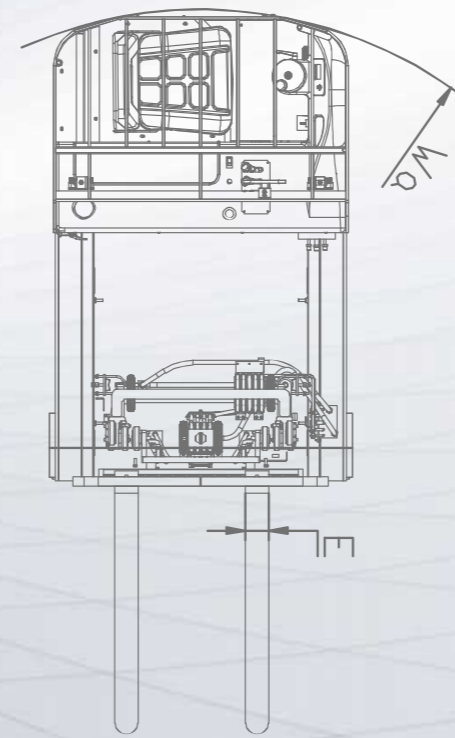
前移式叉车48V (侧站式) CQD

Electric Reach Forklift (Stand Type) 48V CQD

特性 characteristic	CQD15-45S		CQD20-45S	
	型号 Model No.	动力 Power type	操作方式 Operation type	额定载重能力 Load capacity
重量 Weight	2.1 含蓄电池时自重 Total weight with battery	kg	2700	3025
轮子、底盘 Wheels Chassis	3.1 轮子种类 Wheel type		聚氨酯 PU	聚氨酯 PU
尺寸 Dimension	3.2 前轮规格 Front wheel	∅×w(mm)	267*114	267*114
	3.3 驱动轮规格 Drive wheel	∅×w(mm)	382*142	382*142
	3.4 平衡轮规格 Balance wheel	∅×w(mm)	180*76	180*76
	3.5 轮距, 前轮 Wheel tread, Front wheel	b10(mm)	1081	1081
	4.1 门架缩回时高度 Mast lowered height	h1(mm)	2100	2100
	4.2 自由提升高度 Free lift height	h2(mm)	1500	1500
	4.3 提升高度 lift height	h3(mm)	4500	4500
	4.4 作业时门架最大高度 Max.height when lifting	h4(mm)	5480	5480
	4.5 护顶架高度 Height of overhead guards	h14(mm)	2280	2280
	4.6 门架缩回时货叉高度 Fork face min.ground clearance	h13(mm)	40	40
	4.7 货叉倾角 前/后 Fork tilting angle Front/rear	°	3/5	3/5
	4.8 车体长度 (不含货叉) Overall length(Without fork)	l2(mm)	1752	1902
	4.9 车体宽度 Overall width	b1(mm)	1195	1195
	性能 Performance	4.10 货叉尺寸 Fork size	s/e/l(mm)	35/100/1070
4.11 货叉调节尺寸 Fork adjustment size		b5(mm)	244-700	244-700
4.12 最小离地间隙 (轴距中心) Min.ground clearance		m2(mm)	80	80
4.13 堆垛通道宽度, 托盘1000×1200 (1200沿货叉放置) Aisle Width for Pallet 1000*1200 Crossaway		Ast(mm)	2730	2882
4.14 最小转弯半径 Min.turning radius		Wa(mm)	1680	1836
电机、电池、充电机 Motor,Charger	5.1 行驶速度, 空载/满载 Max.travel speed(unload/load)	km/h	7/6.5	10/9
	5.2 起升速度, 空载/满载 Lifting speed(unload/load)	m/s	0.330/0.245	0.300/0.235
	5.3 下降速度, 空载/满载 Lowering speed(unload/load)	m/s	0.260/0.325	0.270/0.315
	5.4 最大爬坡能力, 空载/满载 Max.grade ability(unload/load)	%	≤10	≤10
	5.5 行车制动 Brake type		电磁 Electromagnetism	电磁 Electromagnetism
其他 Other	6.1 驱动电机功率 Driving motor	kw	6.5	6.5
	6.2 提升电机功率 Lifting motor	kw	6.3	6.3
	6.3 蓄电池类型 Battery type		铅酸 Lead Acid	铅酸 Lead Acid
	6.4 蓄电池电压/电容 Battery capacity	V/Ah	48V300Ah	48V400Ah
	6.5 充电机 Charger	V/Ah	48V/40A	48V/50A
其他 Other	7.1 驱动控制方式 Drive controlling type		交流 AC	交流 AC
	7.2 驾驶员耳边噪音水平根据EN12053 Noise level in driver's ear	dB(A)	75	75



## Electric Reach Forklift (Seated Type)48V CQD-E



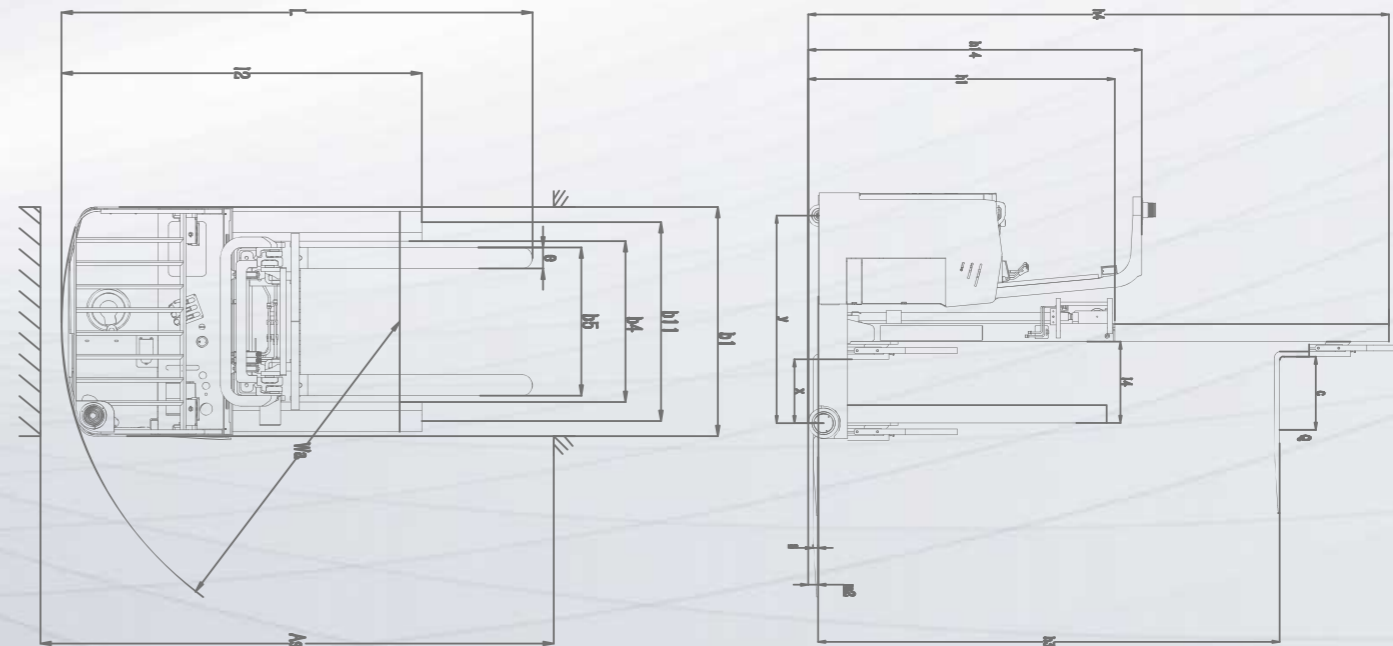
- 1.The forklift body structure is tight and the operation is more flexible. The driving unit is fixed in the central position, with low center of gravity and good stability. It is suitable for cargo storage applications with high purity and high lift
- 2.With the characteristics of overall forward movement of the gantry, the turning radius is small, and the obstacles at the bottom of the shelf can be ignored. It is suitable for any operation occasions with limited space, and it is more convenient to pick up and place goods
- 3.Equipped with full AC drive system, it has the characteristics of strong climbing ability, maintenance free, regenerative braking, good working stability and high efficiency. It eliminates the trouble of replacing carbon brushes of DC motor and has no more maintenance.
- 4.Curtis electric control has multiple automatic protection systems to provide a higher level of functional safety.
- 5.The intelligent high-definition display instrument can display the information of vehicle operation status in real time and provide fault display for troubleshooting and maintenance.
- 6.EPS steering energy consumption is reduced by about 20%, operation is accurate, driver fatigue is reduced and productivity is greatly improved.
- 7.The fork is equipped with forward and backward tilting function as standard to prevent goods from tipping and improve load stability.
- 8.Side pull battery is suitable for multi shift occasions. It is equipped with battery roller trolley as standard, which is more convenient to replace.

前移式叉车48V (座驾式) CQD-E

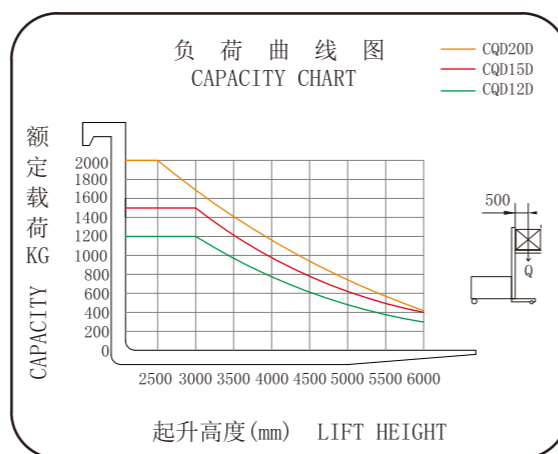
Electric Reach Forklift (Seated Type) 48V CQD-E

		型号 Model No.	CQD15E-45S	CQD20E-45S	CQD20EH-120S	
特性 Characteristics	1.1	型号 Model No.	CQD15E-45S	CQD20E-45S	CQD20EH-120S	
	1.2	动力类型 Power Type	电动 Electric	电动 Electric	电动 Electric	
	1.3	操作方式 Operation Type	座驾 Seated Type	座驾 Seated Type	座驾 Seated Type	
	1.4	额定载荷能力 Capacity	Q(kg)	1500	2000	2000
	1.5	载荷中心距 Load Center	C(mm)	500	500	500
	1.6	轴距 Wheelbase	Y(mm)	1470	1620	1650
	1.7	前移距离 Reach Stroke	L(mm)	505	655	610
重量 Total Weight	2.1	含蓄电池时自重 Total Weight (with Battery)	kg	3000	3050	5860
	3.1	轮子种类 Wheel Type		聚氨酯 PU	聚氨酯 PU	聚氨酯 PU
轮子、底盘 Wheels,Chassis	3.2	前轮规格 Front Wheel	Φ×w(mm)	Φ267*114	Φ267*114	Φ267*114
	3.3	驱动轮规格 Driving Wheel	Φ×w(mm)	Φ382*142	Φ382*142	Φ382*142
	3.4	轮距, 前轮 Front Wheel Base	b10(mm)	1180	1180	1332
	4.1	门架缩回时高度 Mast Lowered Height	h1(mm)	2105	2105	5136
尺寸 Dimension	4.2	自由提升高度 Free Lift Height	h2(mm)	1500	1500	4020
	4.3	提升高度 Lift Height	h3(mm)	4500	4500	12000
	4.4	作业时门架最大高度 Max. Height When Lifting	h4(mm)	5500	5500	12580
	4.5	护顶架高度 Height of Overhead Guards	h14(mm)	2180	2180	2180
	4.6	门架缩回时货叉高度 Fork Clearance when Mast Lowered	h13(mm)	40	40	40
	4.7	门架/货叉倾角 前/后 Mast/Fork Title Angle	°	3/5	3/5	3/5
	4.8	车体长度 (含货叉) Overall Length (Fork Back)	l2(mm)	2477	2477	2515
	4.9	车体宽度 Overall Width	b1(mm)	1270	1270	1460
	4.1	货叉尺寸 Fork Size	s/e/l(mm)	35/100/1070	40/122/1070	40/122/1070
	4.11	货叉调节尺寸 Fork Spread	b5(mm)	210-705	244-705	244-840
	4.12	最小离地间隙 (轴距中心) Min. Ground Clearance	m2(mm)	70	70	70
	4.13	堆垛通道宽度, 托盘1000×1200 (1200沿货叉放置) Aisle Width for Pallet 1000*1200 Crossaway	Ast(mm)	2964	3007	3010
	4.14	最小转弯半径 Min. Turning Radius	Wa(mm)	1800	1900	1922
	性能 Performance	5.1	最大行驶速度, 空/满载 Max. Travel Speed(Unload/Load)	km/h	7.8/6.8	7.8/6.8
5.2		上升速度, 空载/满载 Lifting Speed(Unload/Load)	m/s	0.240/0.120	0.240/0.120	0.240/0.175
5.3		下降速度, 空载/满载 Decnet Speed(Unload/Load)	m/s	0.260/0.315	0.270/0.305	0.270/0.305
5.4		最大爬坡能力, 空/满载 Max. Climbing Ability (Unload/Load)	%	≤10	≤10	≤10
5.5		行车制动 Brake Type		电磁 Electromagnetic	电磁 Electromagnetic	电磁 Electromagnetic
电机、电池、充电机 Motor,Charger	6.1	驱动电机功率 Driving Motor	kw	6.5	6.5	6.5
	6.2	提升电机功率 Lifting Motor	kw	6.3	6.3	8.6
	6.3	蓄电池类型 Battery Type		铅酸 Lead Acid	铅酸 Lead Acid	铅酸 Lead Acid
	6.4	蓄电池电压/容量 Battery Vol./Capacity	V/Ah	48V300Ah	48V400Ah	48V400Ah
	6.5	充电机 Charger	V/A	48V/40A	48V/50A	48V/40A
其他 Other	7.1	驱动控制方式 Control Model		交流 AC	交流 AC	交流 AC
	7.2	驾驶员耳边噪音水平根据EN12053 Noise level in driver's ear	dB(A)	75	75	75

# Electric Reach Forklift(Stand Type) 24V CQD-D



- 1.Compact structure, suitable for large tonnage, high lift cargo storage applications.
- 2.With the characteristics of the overall forward movement of the mast, the turning radius is small, and the obstacles at the bottom of the shelf can be ignored. It is suitable for any operation occasions with limited space, and it is more convenient to pick up and place goods.
- 3.Curtis electric control has multiple automatic protection systems to provide a higher level of functional safety.
- 4.ZF gearbox, multi-functional solution and flexible building module system, and optimized gearing technology can reduce operating noise and provide customers with high-performance and efficient use experience.
- 5.EPS steering energy consumption is reduced by about 20%, operation is accurate, driver fatigue is reduced and productivity is greatly improved.
- 6.Equipped with full AC drive system, it has the characteristics of strong climbing ability, maintenance free, regenerative braking, good working stability and high efficiency. It eliminates the trouble of replacing carbon brush of DC motor and does not need more maintenance.
- 7.The battery capacity can reach 280ah, which is an ideal choice for heavy load and long-time operation.
- 8.The lifting control lever is in the safe lowering position, and the lowering speed of the fork will automatically slow down when it drops to 100mm above the ground to ensure the safety of operation.
- 9.When the fork rises to the highest position, the buffer system reduces the vibration of the mast and improves the comfort of the operator.
- 10.Magnetic navigation / laser navigation AGV can be customized.



前移式叉车24V (侧站式) CQD-D

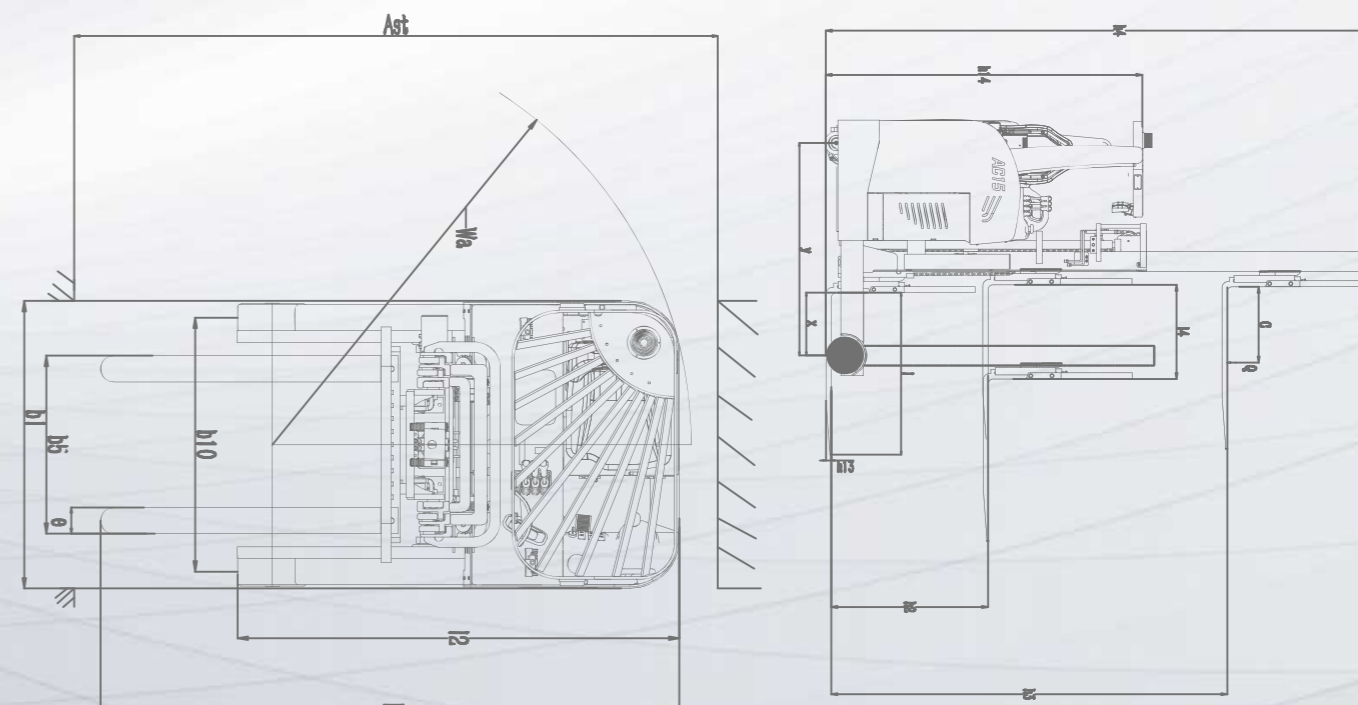
Electric Reach Forklift (Stand Type) 24V CQD-D

特性 Characteristic	型号 Model No.	CQD12D-45S	CQD15D-45S	CQD20D-45S	
1.1 型号 Model No.					
1.2 动力 Power type		电动 Electric	电动 Electric	电动 Electric	
1.3 操作方式 Operation type		侧站式 Stand Type	侧站式 Stand Type	侧站式 Stand Type	
1.4 额定载重能力 Load capacity	Q(kg)	1200	1500	2000	
1.5 载荷中心距 Load center	C(mm)	500	500	500	
1.6 前悬距 Front overhang	X(mm)	145	145	145	
1.7 轴距 Wheelbase	Y(mm)	1399	1399	1584	
重量 Weight	2.1 含蓄电池时自重 Total weight with battery	kg	2200	2200	2250
轮子、底盘 Wheels, Chassis	3.1 轮子种类 Wheel type		聚氨酯 PU	聚氨酯 PU	聚氨酯 PU
	3.2 前轮规格 Front wheel	∅×w(mm)	254*104	254*104	254*104
	3.3 驱动轮规格 Drive wheel	∅×w(mm)	230*75	230*75	230*75
	3.4 平衡轮规格 Balance wheel	∅×w(mm)	150*50	150*50	150*50
	3.5 轮距, 前轮 Wheel tread, front wheel	b10(mm)	970	970	970
	3.6 轮距, 后轮 Wheel tread, rear wheel	b11(mm)	804	804	804
尺寸 Dimension	4.1 门架缩回时高度 Mast lowered height	h1(mm)	2120	2120	2120
	4.2 提升高度 lift height	h3(mm)	4500	4500	4500
	4.3 作业时门架最大高度 Max.height when lifting	h4(mm)	5485	5485	5485
	4.4 护顶架高度 Height of overhead guards	h14(mm)	2280	2280	2280
	4.5 门架缩回时货叉高度 Fork face min.ground clearance	h13(mm)	35	35	40
	4.6 货叉倾角 前/后 Fork tilting angle Front/rear	°	3/5	3/5	3/5
	4.7 总体长度 Overall length	L(mm)	2272	2272	2385
	4.8 车体长度 Body length	l2(mm)	1703	1703	1888
	4.9 车体宽度 Overall width	b1(mm)	1098	1098	1098
	4.10 货叉尺寸 Fork size	s/e/(mm)	35/100/1070	35/100/1070	40/122/1070
	4.11 货叉调节尺寸 Fork adjustment size	b5(mm)	210-705	210-705	210-705
	4.12 前移距离 Reach distance	l4(mm)	535	535	645
	4.13 最小离地间隙 (轴距中心) Min.ground clearance	m2(mm)	77	77	77
	4.14 堆垛通道宽度, 托盘1000×1200 (1200沿货叉放置) Aisle Width for Pallet 1000*1200 Crossaway	Ast(mm)	2771	2771	2880
	4.15 最小转弯半径 Min.turning radius	Wa(mm)	1600	1600	1781
性能 Performance	5.1 行驶速度, 空载/满载 Max.travel speed(unload/load)	km/h	5/4	5/4	5/4
	5.2 起升速度, 空载/满载 Lifting speed(unload/load)	m/s	0.135/0.115	0.135/0.110	0.135/0.100
	5.3 下降速度, 空载/满载 Lowering speed(unload/load)	m/s	0.085/0.120	0.085/0.132	0.085/0.140
	5.4 最大爬坡能力, 空载/满载 Max.grade ability(unload/load)	%	8/6	8/4	8/4
	5.5 行车制动 Brake type		电磁 Electromagnetism	电磁 Electromagnetism	电磁 Electromagnetism
电机、电池、充电机 Motor, Charger	6.1 驱动电机功率 Driving motor	kw	2.5	2.5	2.5
	6.2 提升电机功率 Lifting motor	kw	3	3	3
	6.3 蓄电池类型 Battery type		铅酸 Lead Acid	铅酸 Lead Acid	铅酸 Lead Acid
	6.4 蓄电池电压/容量 Battery capacity	V/Ah	24V280Ah	24V280Ah	24V280Ah
	6.5 充电机 Charger	V/A	24V/40A	24V/40A	24V/40A
其他 Other	7.1 驱动控制方式 Drive controlling type		交流 AC	交流 AC	交流 AC
	7.2 驾驶员耳边噪音水平根据EN12053 Noise level in driver's ear	dB(A)	75	75	75

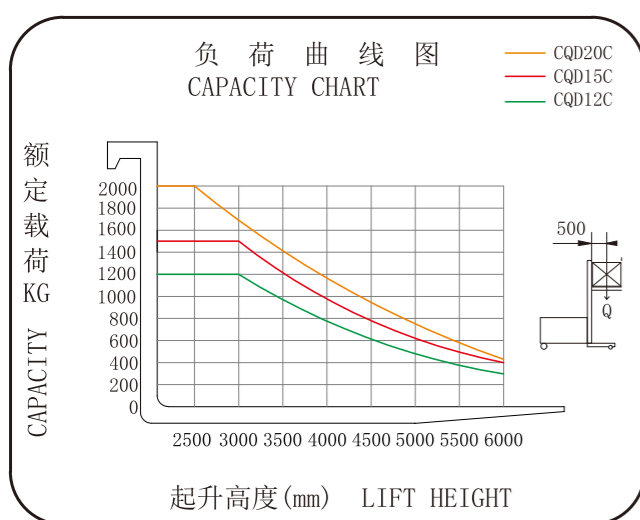




## Electric Reach Forklift (Seated Type) 24V CQD-C



1. Compact structure, suitable for large tonnage, high lift cargo storage applications.
2. With the characteristics of the overall forward movement of the mast, the turning radius is small, and the obstacles at the bottom of the shelf can be ignored. It is suitable for any operation occasions with limited space, and it is more convenient to pick up and place goods.
3. Curtis electric control has multiple automatic protection systems to provide a higher level of functional safety.
4. ZF gearbox, multi-functional solution and flexible building module system, and optimized gearing technology can reduce operating noise and provide customers with high-performance and efficient use experience.
5. EPS steering energy consumption is reduced by about 20%, operation is accurate, driver fatigue is reduced and productivity is greatly improved.
6. Equipped with full AC drive system, it has the characteristics of small volume, light weight, high efficiency and maintenance free. It eliminates the trouble of replacing carbon brush of DC motor and does not need more maintenance.
7. The lifting control lever is in the safe lowering position, and the lowering speed of the fork will automatically slow down when it drops to 100mm above the ground to ensure the safety of operation.
8. When the fork rises to the highest position, the buffer system reduces the vibration of the mast and improves the comfort of the operator.
9. As a standard configuration, the emergency power-off switch can cut off all power supplies by pressing the emergency stop button. The car can be stopped immediately or quickly powered off in case of emergency to provide safety protection.
10. Magnetic navigation / laser navigation AGV can be customized.



前移式叉车24V (座驾式) CQD-C

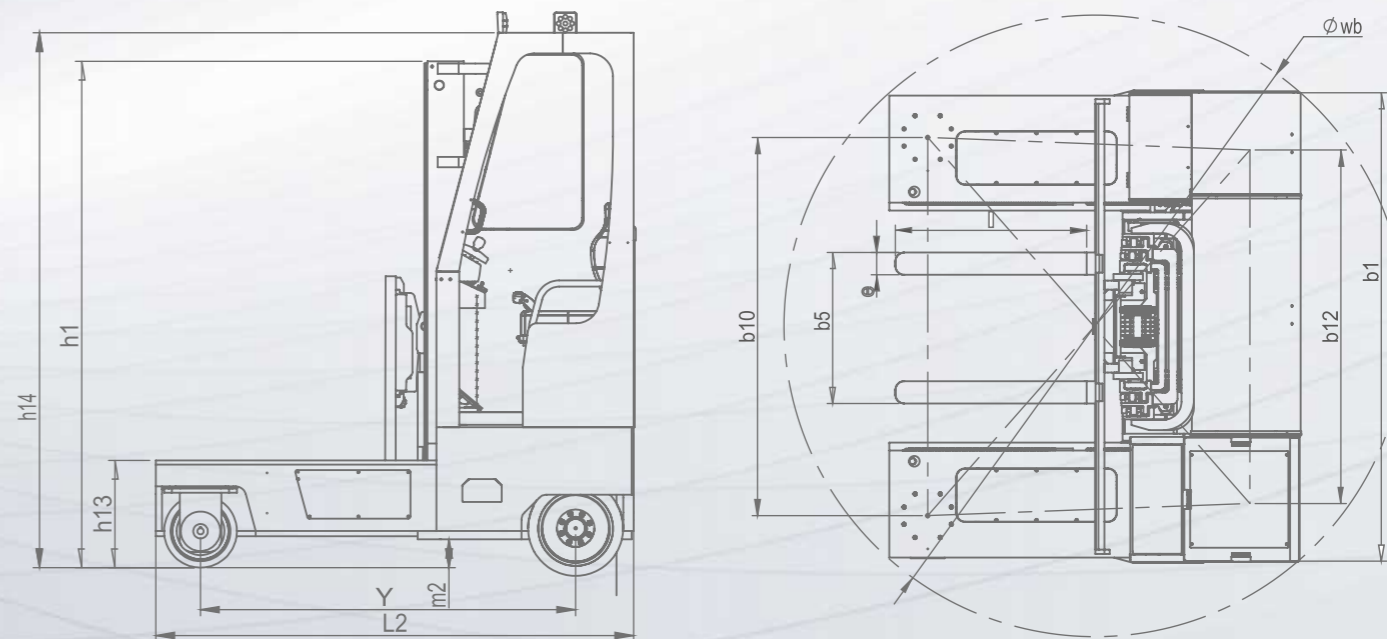
Electric Reach Forklift (Seated Type) 24V CQD-C

特性 Characteristic	Electric Reach Forklift (Seated Type) 24V CQD-C				
	1.1 型号 Model No.	CQD12C-45S	CQD15C-45S	CQD20C-45S	
1.2 动力 Power type	电动 Electric	电动 Electric	电动 Electric	电动 Electric	
1.3 操作方式 Operation type	座驾式 Seated type	座驾式 seated type	座驾式 seated type	座驾式 seated type	
1.4 额定载重能力 Load capacity	Q (kg)	12	1500	200	
1.5 载荷中心距 Load center	C(mm)	500	500	500	
1.6 前悬距 Front overhang	X(mm)	180	180	180	
1.7 轴距 Wheelbase	Y(mm)	1355	1355	1540	
重量 Weight	2.1 含蓄电池时自重 Total weight with battery	kg	1995	2180	2535
轮子、底盘 Wheels, Chassis	3.1 轮子种类 Wheel type	聚氨酯 PU	聚氨酯 PU	聚氨酯 PU	
	3.2 前轮规格 Front wheel	φ×w(mm)	254*104	254*104	254*104
	3.3 驱动轮规格 Drive wheel	φ×w(mm)	230*75	230*75	230*75
	3.4 平衡轮规格 Balance wheel	φ×w(mm)	150*50	150*50	150*50
	3.5 轮距, 前轮 Wheel tread, front wheel	b10(mm)	976	976	976
	3.6 轮距, 后轮 Wheel tread, rear wheel	b11(mm)	772	772	772
尺寸 Dimension	4.1 门架缩回时高度 Mast lowered height	h1(mm)	2120	2120	2120
	4.2 提升高度 lift height	h3(mm)	4500	4500	4500
	4.3 作业时门架最大高度 Max. height when lifting	h4(mm)	5485	5485	5485
	4.4 护顶架高度 Height of overhead guards	h14(mm)	2090	2090	2090
	4.5 门架缩回时货叉高度 Fork face min. ground clearance	h13(mm)	35	35	40
	4.6 货叉倾角 前/后 Fork tilting angle Front/rear	°	3/5	3/5	3/5
	4.7 总体长度 Overall length	L(mm)	2250	2250	2350
	4.8 车体长度 Body length	l2(mm)	1689	1689	1874
	4.9 车体宽度 Overall width	b1(mm)	1090	1090	1090
	4.10 货叉尺寸 Fork size	s/e/l(mm)	35/100/1070	35/100/1070	40/122/1070
	4.11 货叉调节尺寸 Fork adjustment size	b5(mm)	210-705	210-705	210-705
	4.12 前移距离 Reach distance	l4(mm)	575	575	645
	4.13 最小离地间隙 (轴距中心) Min. ground clearance	m2(mm)	80	80	80
	4.14 堆垛通道宽度, 托盘1000×1200 (1200沿货叉放置) Aisle Width for Pallet 1000*1200 Crossaway	Ast(mm)	2764	2764	2872
	4.15 最小转弯半径 Min. turning radius	Wa(mm)	1600	1600	1780
性能 Performance	5.1 行驶速度, 空载/满载 Max. travel speed (unload/load)	km/h	5/4	5/4	5/4
	5.2 起升速度, 空载/满载 Lifting speed (unload/load)	m/s	0.135/0.115	0.135/0.110	0.135/0.100
	5.3 下降速度, 空载/满载 Lowering speed (unload/load)	m/s	0.085/0.120	0.085/0.132	0.085/0.140
	5.4 最大爬坡能力, 空载/满载 Max. Grade	%	8/6	8/6	8/6
	5.5 行车制动 Brake type		电磁 Electromagnetism	电磁 Electromagnetism	电磁 Electromagnetism
电机、电池、充电机 Motor, Charger	6.1 驱动电机功率 Driving motor	kw	2.5	2.5	2.5
	6.2 提升电机功率 Lifting motor	kw	3	3	3
	6.3 蓄电池类型 Battery type		铅酸 Lead Acid	铅酸 Lead Acid	铅酸 Lead Acid
	6.4 蓄电池电压/容量 Battery capacity	V/Ah	24V/280Ah	24V/280Ah	24V/280Ah
	6.5 充电机 Charger	V/Ah	24V/40A	24V/40A	24V/40A
其他 Other	7.1 驱动控制方式 Drive controlling type		交流 AC	交流 AC	交流 AC
	7.2 驾驶员耳边噪音水平根据EN12053 Noise level in driver's ear	dB(A)	75	75	75

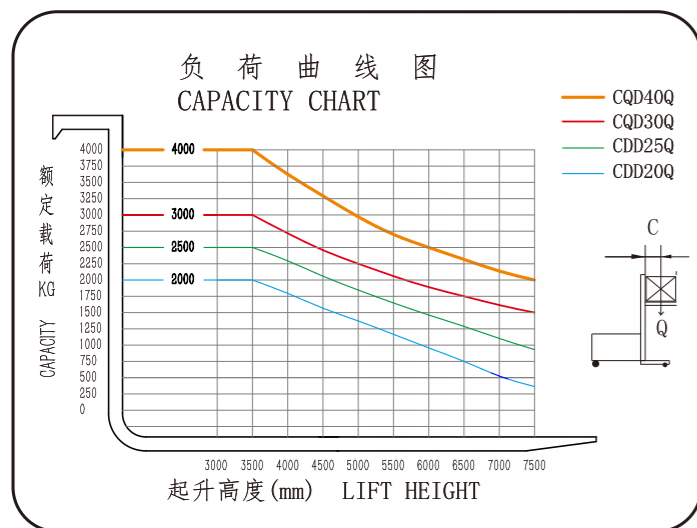
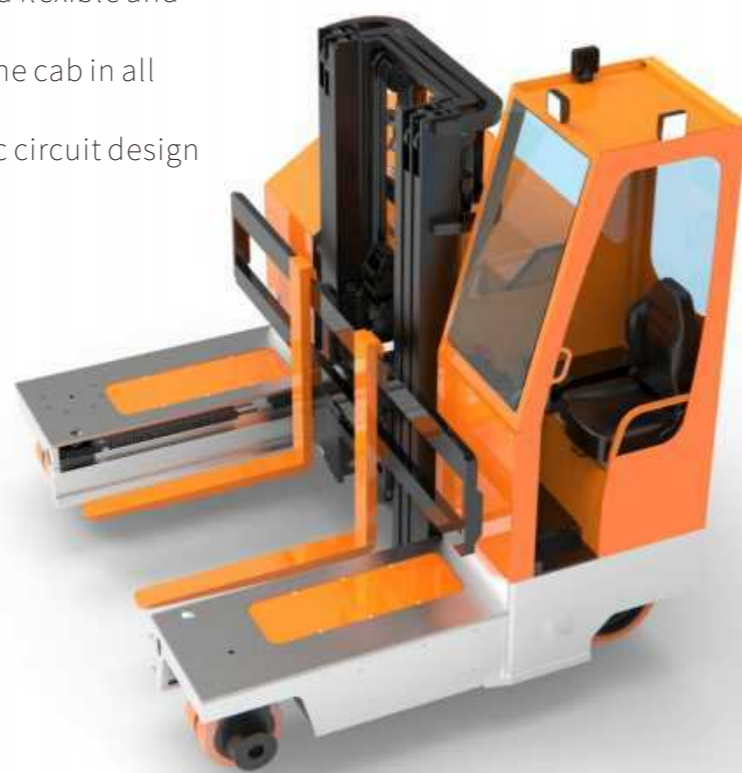
## Electric Multi-Directional Forklift (Seated Type) CQD-Q

CQD-Q series forklift is a multi-directional forklift applied to the handling and stacking of long materials and goods, with a lifting height of 3m-7.2m. Compared with ordinary forklifts, it has the functions of multi-directional driving and absolute in-situ rotation. Therefore, it is mainly used to fork long strip goods.

适用于: **窄巷道堆垛** **长物料水平搬运**



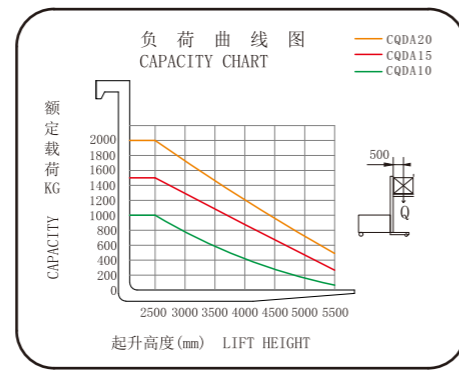
1. Equipped with full AC drive system, it has the characteristics of strong climbing ability, maintenance free, regenerative braking, good working stability and high efficiency. It eliminates the trouble of replacing carbon brush of DC motor and does not need more maintenance.
2. Imported electric control, with multiple automatic protection systems, providing a higher level of functional safety.
3. The external mounted widened fork rack is equipped with a freely adjustable width design, which can be used to store long materials, ring materials, plates, pipes and irregular goods.
4. The imported integrated multi-functional operating handle assembly conforms to ergonomics, has strong anti-interference and flexible and comfortable operation.
5. The ergonomic design provides a comfortable view of the cab in all directions.
6. The more accurate and powerful proportional hydraulic circuit design



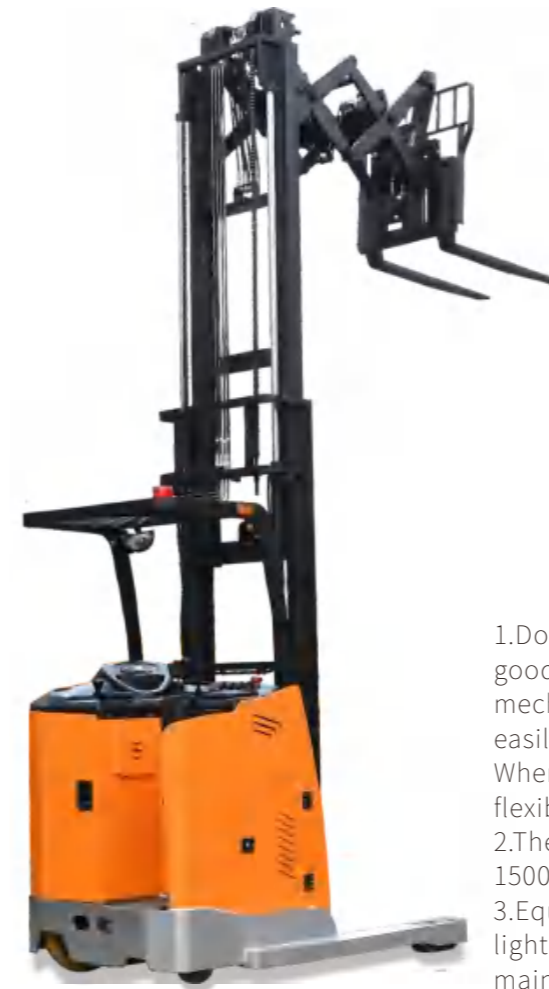
全向前移式叉车(座驾式) CQD-Q

Electric Multi-Directional Forklift (Seated Type) CQD-Q			CQD20Q	CQD25Q	CQD30Q	CQD40Q
特性 Characteristic	1.1 型号 Model No.		CQD20Q	CQD25Q	CQD30Q	CQD40Q
	1.2 动力 Power type		电动 Electric	电动 Electric	电动 Electric	电动 Electric
	1.3 操作方式 Operation type		座驾 Seated Type	座驾 Seated Type	座驾 Seated Type	座驾 Seated Type
	1.4 额定载荷能力 Load capacity	Q(kg)	2000	2500	3000	4000
	1.5 载荷中心距 Load center	C(mm)	500	500	599	600
	1.6 轴距 Wheelbase	Y(mm)	1326	1326	1800	1800
重量 Weight	2.1 含蓄电池时自重 Total weight with battery	kg	4200	4200	7900	7900
	2.2 额定载重能力 Load capacity	kg	2000	2500	3000	4000
轮子、底盘 Wheels, Chassis	3.1 轮子种类 Wheel type		聚氨酯 PU	聚氨酯 PU	聚氨酯 PU	聚氨酯 PU
	3.2 前轮规格 Front wheel		350*100	350*100	350*110	350*110
	3.3 驱动轮规格 Drive wheel		457*160	457*160	457*160	457*160
	3.4 轮距, 前轮 Wheel tread, front wheel	b10(mm)	1520	1520	1520	1520
尺寸 Dimension	4.1 门架缩回时高度 Mast lowered height	h1(mm)	2100	2100	2100	2100
	4.2 货叉倾角 前/后 Fork tilting angle Front/rear	°	3/5	3/5	3/5	3/5
	4.3 自由提升高度 Free lift height	h2(mm)	1500	1500	1500	1500
	4.4 提升高度 Lift height	h3(mm)	4500	4500	4500	4500
	4.5 作业时门架最大高度 Max. height when lifting	h4(mm)	6915	6916	7140	7141
	4.6 护顶架高度 Height of overhead guards					
	4.7 支腿高度 Outrigger height	h13(mm)	506	507	508	509
	4.8 车体长度 (含货叉) Overall length (With fork)	l2(mm)	2080	2080	2300	2300
	4.9 车体宽度 Overall width	b1(mm)	2430	2430	2650	2650
	4.10 货叉尺寸 Fork size	s/e/l(mm)	40/120/1070	45/120/1070	45/120/1220	50/125/1220
	4.11 货叉调节尺寸 Fork adjustment size	b5(mm)	250-700	250-700	250-700	250-700
	4.12 前移距离 Reach distance	L4(mm)	1100	1100	1300	1300
	4.13 最小离地间隙 (轴距中心) Min. ground clearance	m2(mm)	70	70	70	70
	4.14 侧行工作通道 Aisle width of side operation	b2(mm)	2630	2630	2850	2850
性能 Performance	5.1 行驶速度, 空载/满载 Max. travel speed (unload/load)	km/h	8/6	8/6	8/6	8/6
	5.2 起升速度, 空载/满载 Lifting speed (unload/load)	mm/s	260/230	260/230	260/230	260/230
	5.3 下降速度, 空载/满载 Lowering speed (unload/load)	mm/s	210/310	210/310	210/310	210/310
	5.4 最大爬坡能力, 空载/满载 Max. grade ability (unload/load)	%	8/6	8/6	8/6	8/6
	5.5 行车制动 Brake type		电磁 Electromagnetism	电磁 Electromagnetism	电磁 Electromagnetism	电磁 Electromagnetism
电机、电池、充电机 Motor, Charger	6.1 驱动电机功率 Driving motor	kw	6.5	6.5	2X6.5	2X6.5
	6.2 提升电机功率 Lifting motor	kw	8.2	8.2	12	12
	6.3 蓄电池类型 Battery type		铅酸 Lead Acid	铅酸 Lead Acid	铅酸 Lead Acid	铅酸 Lead Acid
	6.4 蓄电池电压/容量 Battery capacity	V/Ah	48V/400Ah	48V/450Ah	48V/600Ah	48V/800Ah
	6.5 充电机 Charger	V/Ah	48V/50A	48V/50A	48V/80A	48V/100A
其他 Other	7.1 驱动控制方式 Drive controlling type		交流 AC	交流 AC	交流 AC	交流 AC
	7.2 转向方式 Steering system		电转向 EPS	电转向 EPS	电转向 EPS	电转向 EPS

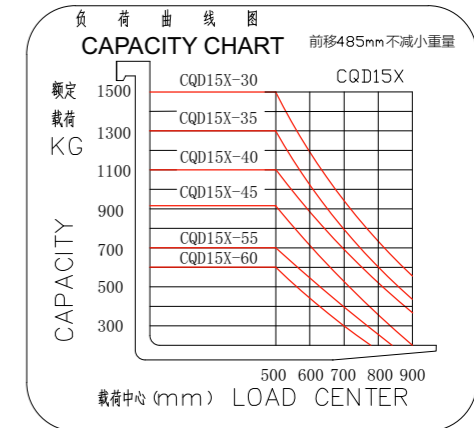
# KRC Electric Reach Forklift (Stand Type) CQDA



- 1.The forklift body has a compact structure, which makes it more convenient to pick up and release goods in the operation field with limited space, and has more prominent advantages. It has the characteristics of the overall forward movement of the gantry. The adjustable forging fork is easy to apply to a variety of pallets, with a small turning radius, and the obstacles at the bottom of the shelf can be ignored.
- 2.Curtis electric control has multiple automatic protection systems to provide a higher level of functional safety.
- 3.ZF gearbox, multi-functional solution and flexible modular system, optimized gear meshing technology can reduce operating noise and provide customers with high-performance and efficient use experience.
- 4.AC drive, brushless, maintenance free, high-efficiency motor, precise control and strong power output.



# Double Deep Reach Truck CQD-X



- 1.Double scissors front extension arms are equipped as standard, and the goods can move back and forth through the scissors fork telescopic mechanism. When the fork extends, such as the counterweight stacker, it can easily deal with the non-standard pallet, close the pallet and close the shelf. When the fork retracts, it is like the wide fork leg stacker, which can operate flexibly in the narrow channel.
- 2.The telescopic stroke is 1200mm, and the maximum pickup depth can reach 1500mm.
- 3.Equipped with full AC drive system, it has the characteristics of small volume, light weight, high efficiency and maintenance free, and does not need more maintenance.

## 前移式叉车 (站驾式) CQDA

### Electric Reach Forklift (Stand Type) CQDA

		CQDA10-25	CQDA15-25	CQDA20-25	
特性 Characteristic	1.1 型号 Model No.				
	1.2 动力 Power type	电动 Electric	电动 Electric	电动 Electric	
	1.3 操作方式 Operation type	站驾式 Stand Type	站驾式 Stand Type	站驾式 Stand Type	
	1.4 额定载荷能力 Load capacity	Q(kg)	1000	1500	2000
	1.5 载荷中心距 Load center	C(mm)	500	500	500
	1.6 前悬距 Front overhang	X(mm)	173	173	173
	1.7 轴距 Wheelbase	l4(mm)	1335	1435	1585
	1.8 前移距离 Reach distance	Y(mm)	500	600	670
重量 Weight	2.1 含蓄电池时自重 Total weight with battery	kg	1875	1900	2050
	3.1 轮子种类 Wheel type		聚氨酯轮 PU	聚氨酯轮 PU	聚氨酯轮 PU
轮子、底盘 Wheels,Chassis	3.2 驱动轮规格 Drive wheel	φ×w(mm)	φ230*75	φ230*75	φ230*75
	3.3 前轮规格 Front wheel	φ×w(mm)	φ210*85	φ210*85	φ210*85
	3.4 后轮规格 Rear wheel	φ×w(mm)	φ150*50	φ150*50	φ150*50
	3.5 轮距, 前轮 Wheel tread,front wheel	b10(mm)	735	735	735
	3.6 轮距, 后轮 Wheel tread,rear wheel	b11(mm)	955	955	955
	尺寸 Dimension	4.1 门架缩回时高度 Mast lowered height	h1(mm)	1840	1840
4.2 提升高度 lift height		h3(mm)	2500	2500	2500
4.3 作业时门架最大高度 Max.height when lifting		h4(mm)	3416	3416	3416
4.4 门架缩回时货叉高度 Fork face min.ground clearance		h13(mm)	35	35	40
4.5 货叉倾角 前/后 Fork tilting angle Front/rear		°	2/3	2/3	2/3
4.6 车体长度 Body length		l2(mm)	1615	1715	1865
4.7 车体宽度 Overall width		b1(mm)	1034	1034	1034
4.8 货叉尺寸 Fork size		s/e/l(mm)	35/100/1070	35/100/1070	40/122/1070
4.9 货叉调节尺寸 Fork adjustment size		b5(mm)	210-680	210-680	245-702
4.10 最小离地间隙 (轴距中心) Min.ground clearance		m2(mm)	70	70	70
4.11 堆垛通道宽度, 托盘1000×1200 (1200沿货叉放置) Aisle Width for Pallet 1000*1200 Crossaway		Ast(mm)	2705	2740	2775
4.12 堆垛通道宽度, 托盘1000×1200 (1000沿货叉放置) Aisle Width for Pallet 1200*1000 Crossaway		Ast(mm)	2817	2841	2852
4.13 最小转弯半径 Min.turning radius		Wa(mm)	1645	1740	1890
性能 Performance	5.1 行驶速度, 空载/满载 Max.travel speed(unload/load)	km/h	5/4	5/4	5/4
	5.2 起升速度, 空载/满载 Lifting speed(unload/load)	m/s	0.112/0.095	0.112/0.092	0.112/0.085
	5.3 下降速度, 空载/满载 Lowering speed(unload/load)	m/s	0.094/0.110	0.094/0.115	0.096/0.123
	5.4 最大爬坡能力, 空载/满载 Max.Grade ability(unload/load)	%	8/5	8/5	6/4
	5.5 行车制动 Brake Type		电磁制动 Electromagnetic Braking		
电机、电池、充电机 Motor,Charger	6.1 驱动电机功率 Driving motor	kw	1.5	1.5	2.5
	6.2 提升电机功率 Lifting motor	kw	2.2	2.2	2.2
	6.3 蓄电池类型 Battery Type		铅酸 Lead Acid	铅酸 Lead Acid	铅酸 Lead Acid
	6.4 蓄电池电压/容量 Battery Capacity	V/Ah	24V210Ah	24V210Ah	24V210Ah
	6.5 充电机 Charger	v/Ah	24V/30A	24V/30A	24V/30A
其他 Other	7.1 驱动控制方式 Drive controlling type		交流 AC	交流 AC	交流 AC
	7.2 驾驶员耳边噪音水平根据EN12053 Noise level in driver's ear	dB(A)	75	75	75

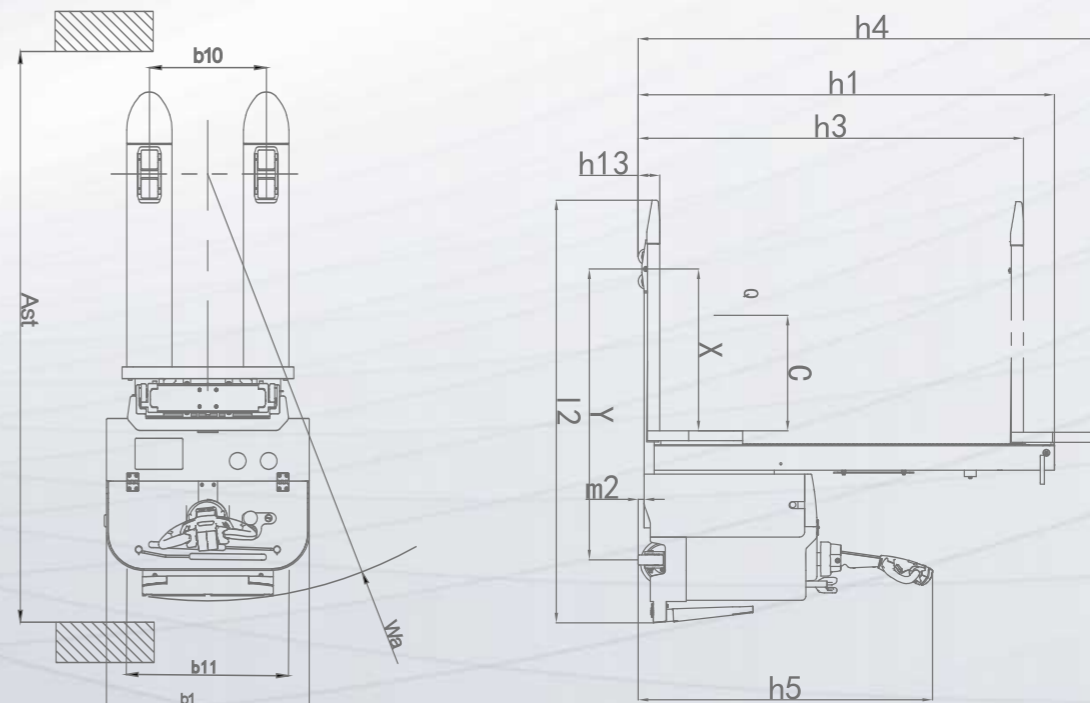
## 伸缩式前移叉车 CQD-X

### Double Deep Reach Truck CQD-X

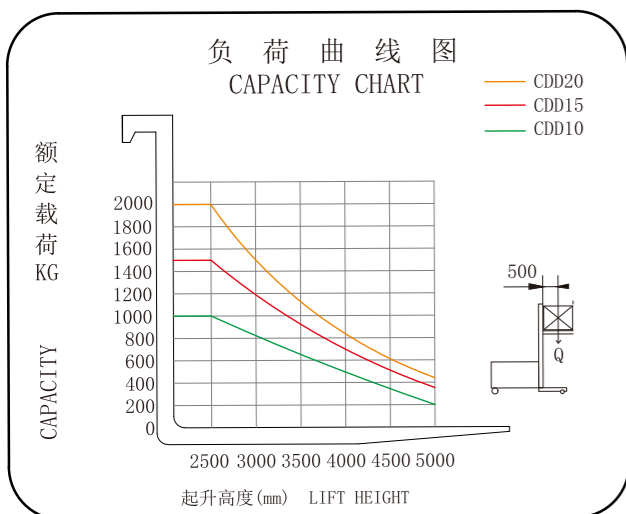
		CQD15X-45	
特性 Characteristic	1.1 型号 Model No.	CQD15X-45	
	1.2 动力 Power type	电动 Electric	
	1.3 操作方式 Operation type	站驾式 Stand Type	
	1.4 额定载荷能力 Load capacity	Q(Kg)	1500
	1.5 最小承载距离 Min.bearing distance	X(mm)	380
	1.6 载荷中心距 Load center	C(mm)	500
重量 Weight	2.1 含蓄电池时自重 Total weight with battery	kg	3540
	3.1 轮子种类 Wheel type		聚氨酯 PU
轮子 Wheel	3.2 驱动轮规格 Drive wheel	φ×w(mm)	φ382*142
	3.3 前轮规格 Front wheel	φ×w(mm)	φ145*100
	3.4 平衡轮规格 Balance wheel	φ×w(mm)	φ180*76
	3.5 轮子数量 (前轮/驱动轮X/平衡轮) Number of wheels (Front /Drive× / Balance wheel)		4/1×/2
	3.6 轮距, 前轮 Wheel tread,front wheel	b10(mm)	1562
尺寸 Dimension	4.1 门架闭合高度 Mast lowered height	h1(mm)	2854
	4.2 作业时门架最大高度 Max.height when lifting	h4(mm)	4970 (5284总高Total height)
	4.3 护顶架高度 Height of overhead guards	h14(mm)	2280
	4.4 车体长度(含货叉/不含货叉)(货叉收回) Overall length(fork forward/back)	l2(mm)	2410/1977
	4.5 车体宽度 Overall width	b1(mm)	1390
	4.6 货叉尺寸 Fork size	s/e/l(mm)	35*122*1070
	4.7 货叉调节尺寸 Fork adjustment size	b5(mm)	210-680
	4.8 最小离地间隙 (轴距中心) Min.ground clearance	m2(mm)	72
	4.9 堆垛通道宽度, 托盘1000×1200 (1200沿货叉放置) Aisle Width for Pallet 1000*1200 Crossaway	Ast(mm)	2835
	4.10 最小转弯半径 Min.turning radius	Wa(mm)	1854
	4.11 货叉伸缩行程 Telescopic stroke of fork	(mm)	1200
性能 Performance	5.1 最大行驶速度, 空载/满载 Max.travel speed(unload/load)	km/h	7/6.5
	5.2 起升速度, 空载/满载 Lifting speed(unload/load)	m/s	0.330/0.245
	5.3 下降速度, 空载/满载 Lowering speed(unload/load)	m/s	0.260/0.325
	5.4 行车制动 rake type		电磁 Electromagnetism
电机、电池、充电机 Motor,Charger	6.1 驱动电机功率 Driving motor	kw	4.5
	6.2 提升电机功率 Lifting motor	kw	6.3
	6.3 蓄电池类型 Battery type		铅酸 Lead Acid
	6.4 蓄电池电压/容量 Battery capacity	V/Ah	48V/300
	6.5 充电机 Charger	V/Ah	48V/40A
其他 other	7.1 驱动控制方式 Drive controlling type		霍尔加速器 Hall accelerator



## Electric Pallet Stacker(Stand Type) CDD



- 1.Curtis control system has multiple automatic protection systems to provide a higher level of functional safety.
- 2.ZF gearbox has multi-functional solutions and flexible building blocks. The optimized gear drying technology can reduce operating noise and provide customers with high-performance and efficient use experience.
- 3.EPS steering energy consumption is reduced by - 20%, operation is accurate, driver fatigue is reduced and productivity is greatly improved.
- 4.Without frequent adjustment, the damping spring can actively adjust the vertical driving unit according to the road conditions, reduce the impact of the ground on the driving unit, balance the force on the driving balance wheel and improve the smooth operation efficiency.
- 5.High quality hydraulic system with buffer, low noise, small vibration, good sealing, stable and reliable lifting and lowering.
- 6.Equipped with full AC drive system, it has the characteristics of small volume, light weight, high efficiency and maintenance free, which eliminates the trouble of replacing carbon brush of DC motor and requires no more maintenance.
- 7.As a standard configuration, the emergency power-off switch can cut off all power supplies by pressing the emergency stop button. The car can be stopped immediately or quickly powered off in case of emergency to provide safety protection.
- 8.Multifunctional handle, integrated control (acceleration, horn, emergency anti-collision, lifting button), man-machine design, more comfortable operation.
- 9.The mast is designed with wide field of view, special channel steel and high strength.
- 10.Magnetic navigation / laser navigation AGV can be customized.



### 托盘堆垛车 (站驾式) CDD

#### Electric Pallet Stacker (Stand Type) CDD

特性 Characteristics	CDD10-30		CDD15-30		CDD20-30	
	型号 Model No.	动力类型 Power Type	站驾式 Stand Type	站驾式 Stand Type	站驾式 Stand Type	站驾式 Stand Type
1.1	型号 Model No.		CDD10-30	CDD15-30	CDD20-30	
1.2	动力类型 Power Type		全电动 Electric	全电动 Electric	全电动 Electric	
1.3	操作方式 Operation Type		站驾式 Stand Type	站驾式 Stand Type	站驾式 Stand Type	
1.4	额定载重能力 Capacity	Q(Kg)	1000	1500	2000	
1.5	载荷中心距 Load Center	C(mm)	500	500	500	
1.6	承载距离 Bearing Distance	X(mm)	720	720	720	
1.7	轴距 Wheelbase	Y(mm)	1455	1455	1455	
重量 Total Weight	2.1 含蓄电池时自重 Total Weight (with Battery)	kg	1075	1115	1135	
轮子、底盘 Wheels,Chassis	3.1 轮子种类 Wheel Type		聚氨酯轮 PU	聚氨酯轮 PU	聚氨酯轮 PU	
	3.2 前轮规格 Front Wheel	Φ×w(mm)	Φ80×70	Φ80×70	Φ80×70	
	3.3 驱动轮规格 Driving Wheel	Φ×w(mm)	Φ230×75	Φ230×75	Φ230×75	
	3.4 平衡轮规格 Balance Wheel	Φ×w(mm)	Φ125×50	Φ125×50	Φ125×50	
	3.5 轮距, 前轮 Front Wheel Base	b2(mm)	490	490	490	
	3.6 轮距, 后轮 Rear Wheel Base	b3(mm)	658	658	658	
尺寸 Dimension	4.1 门架缩回时高度 Mast Lowered Height	H1(mm)	2080	2080	2080	
	4.2 提升高度 Lift Height	H(mm)	3000	3000	3000	
	4.3 作业时门架最大高度 Max. Height When Lifting	H2(mm)	3538	3538	3538	
	4.4 手柄高度 Handle Height	h5(mm)	1308	1308	1308	
	4.5 门架缩回时货叉高度 Fork Clearance when Mast Lowered	H3(mm)	85	85	85	
	4.6 车体长度 Overall Length	L(mm)	2110	2110	2110	
	4.7 车体宽度 Overall Width	b1(mm)	850	850	850	
	4.8 货叉尺寸 Fork Size	s/e/l(mm)	60/190/1150	60/190/1150	60/190/1150	
	4.9 货叉调节尺寸 Fork Spread	b5(mm)	680	680	680	
	4.10 最小离地间隙 (轴距中心) Min. Ground Clearance	m2(mm)	30	30	30	
	4.11 堆垛通道宽度, 托盘1000×1200 (1200跨货叉放置) Aisle Width for Pallet 1000*1200 Crossaway	Ast(mm)	2624	2624	2624	
	4.12 堆垛通道宽度, 托盘1000×1200 (1000跨货叉放置) Aisle Width for Pallet 1200*1000 Crossaway	Ast(mm)	2629	2629	2629	
	4.13 最小转弯半径 Min. Turning Radius	Wa(mm)	1795	1795	1795	
性能 Performance	5.1 行驶速度, 空/满载 Max. Travel Speed(Unload/Load)	km/h	5.5/4.5	5.5/4.5	5.5/4.5	
	5.2 起升速度, 空/满载 Lifting Speed(Unload/Load)	m/s	0.117/0.095	0.117/0.092	0.117/0.086	
	5.3 下降速度, 空/满载 Decnet Speed(Unload/Load)	m/s	0.082/0.112	0.082/0.115	0.082/0.123	
	5.4 最大爬坡能力, 空/满载 Max. Climbing Ability (Unload/Load)	%	8/6	8/6	8/4	
	5.5 行车制动 Brake Type		电磁 Electromagnetic	电磁 Electromagnetic	电磁 Electromagnetic	
电机、电池、充电机 Motor,Charger	6.1 驱动电机功率 Driving Motor	kw	1.5	1.5	1.5	
	6.2 提升电机功率 Lifting Motor	kw	2.2	2.2	2.2	
	6.3 蓄电池类型 Battery Type		铅酸 Lead Acid	铅酸 Lead Acid	铅酸 Lead Acid	
	6.4 蓄电池电压/电容 Battery Vol./Capacity	V/Ah	24V/210Ah	24V/210Ah	24V/210Ah	
	6.5 充电机 Charger	V/A	24V/30A	24V/30A	24V/30A	
其他 Other	7.1 驱动控制方式 Control Model		交流 AC	交流 AC	交流 AC	