



LG-PB-CPJD20 SERIES -102025-EN

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Media Platform



ARTICULATED FORKLIFT CPJD20 SERIES

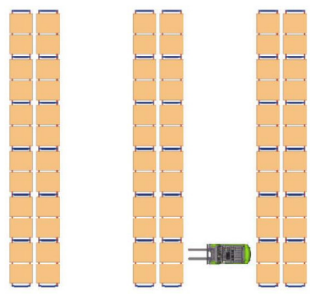
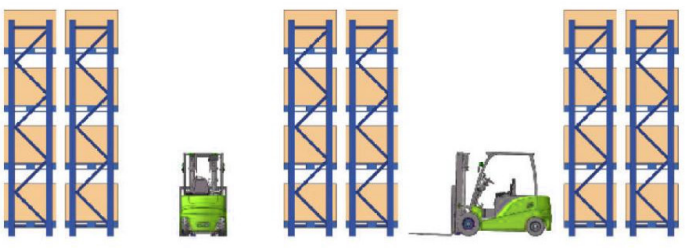
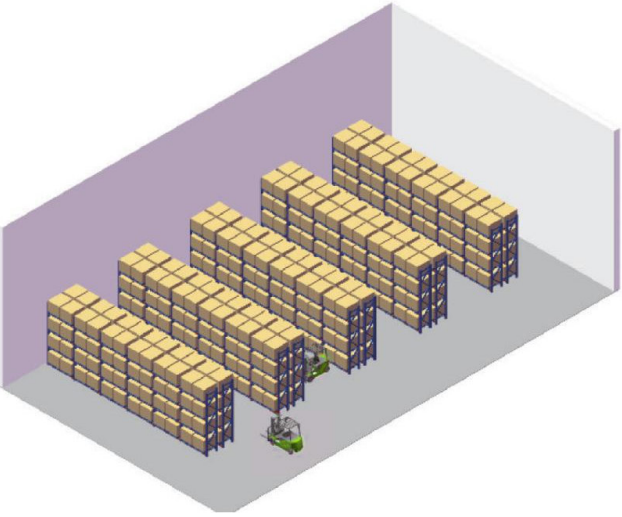
**INDOOR&OUTDOOR ONE-STOP HANDLING
AND INTENSIVE STORAGE**



TOUGH WORLD.TOUGH EQUIPMENT.

Ultra-high storage capacity

Narrow aisle



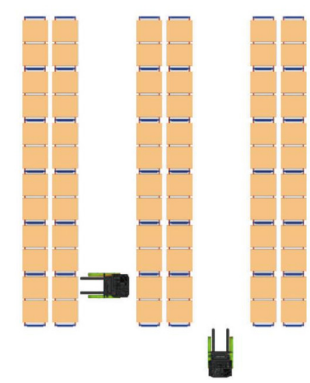
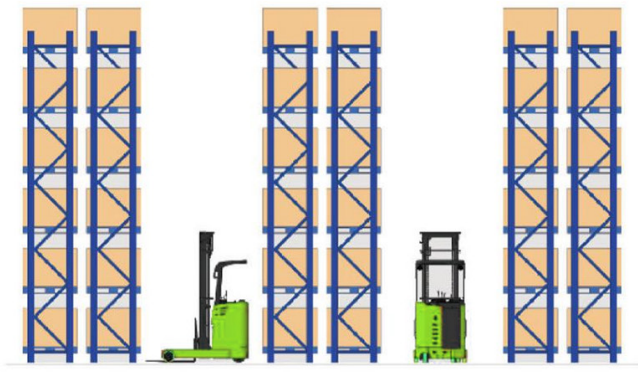
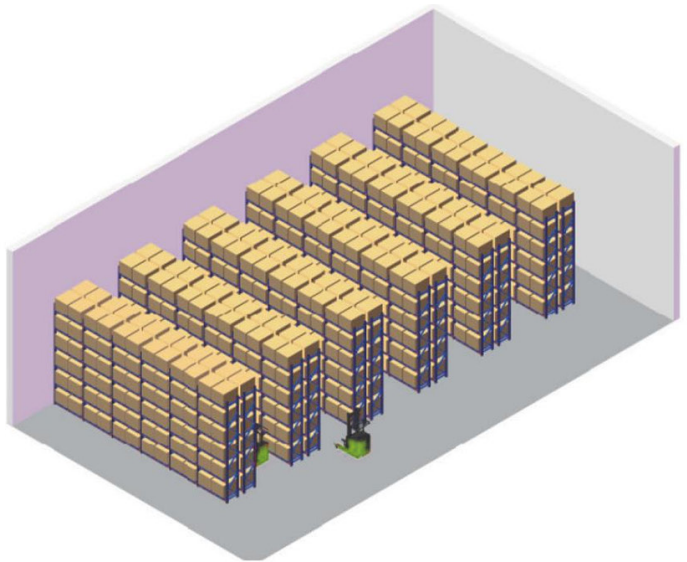
Electric counter balanced forklift
Few pallet positions
Large aisle width(Around 4M)
Low rack height(Around 5M)
High cost for single pallet position



Electric counter balanced forklift

Rack height 5M

Aisle width 4M



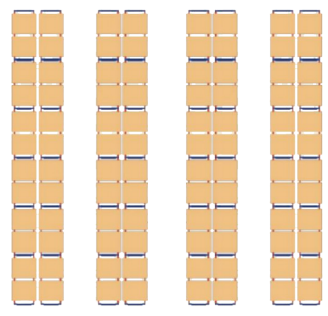
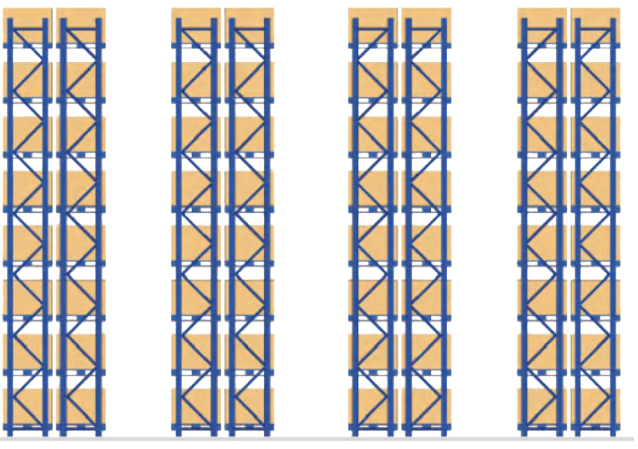
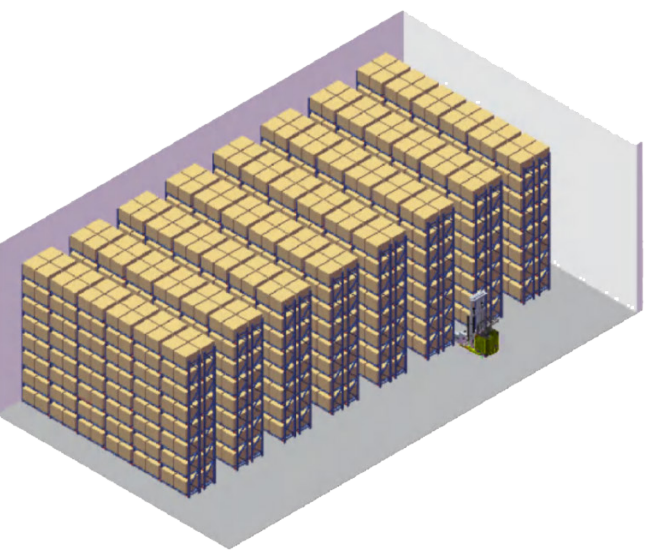
Reach Truck
Compared with counterbalanced forklift
Pallet positions have increased by 80%
Rack height has increased by 40% (Around 7.5M)
Aisle width has decreased by 25% (Around 3M)
Based on same storage area Cost for single pallet position has decreased by 40%



Reach Truck

Rack height 7.5M

Aisle width 3M



Articulated forklift
Compared with counterbalanced forklift
Pallet positions have increased by 200%
Rack height has increased by 100% ($\geq 10M$)
Aisle width has decreased by 45% (1.9M)
Based on same storage area
Cost for single pallet position has decreased by 60%

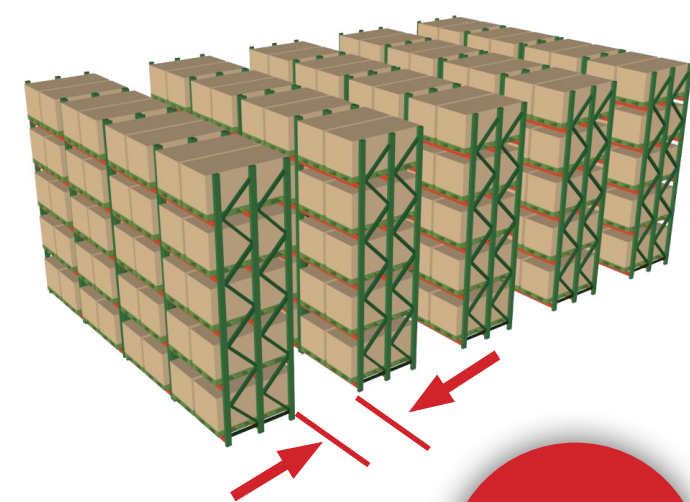


Articulated forklift

Rack height $\geq 10M$, Up to 12.5m

Aisle width 1.9M-2.2M

NARROW AISLE AND HIGH STORAGE CAPACITY



Min. Aisle width≥1,900MM

Compared with the traditional rack arrangement scheme, the racking aisle suitable for the articulated forklift can be reduced to a minimum of 1.9 meters, so that the storage capacity can be greatly increased.



CPJD Series Articulated Forklift
It can be used conveniently both indoors and outdoors.
The operator can complete a series of operations such as loading/unloading, handling and stacking through an articulated forklift. The forklift is equipped with solid rubber tires, with a mast swing angle of 210 degrees, an ultra-small turning radius, and flexible and comfortable operation.



210° mast swing angle

UP TO 12,500 MM

Load Capacity
2000KG

Max.Lifting Height
Up to 12,500MM

The articulated forklift is designed for faster and more efficient loading and unloading goods outdoor and indoor,as well as meeting the narrow aisle intensive storage. The articulated forklift has the functions of traditional counter balanced forklift, pallet truck and high-level storage forklift,and truly achieves one-stop indoor and outdoor material handling and storage.The forklift is equipped with maintenance-free full AC motors, and the high-speed ratio gearbox provides sufficient power for driving and climbing. Excellent ergonomic design ensures high efficiency and comfortable driving.



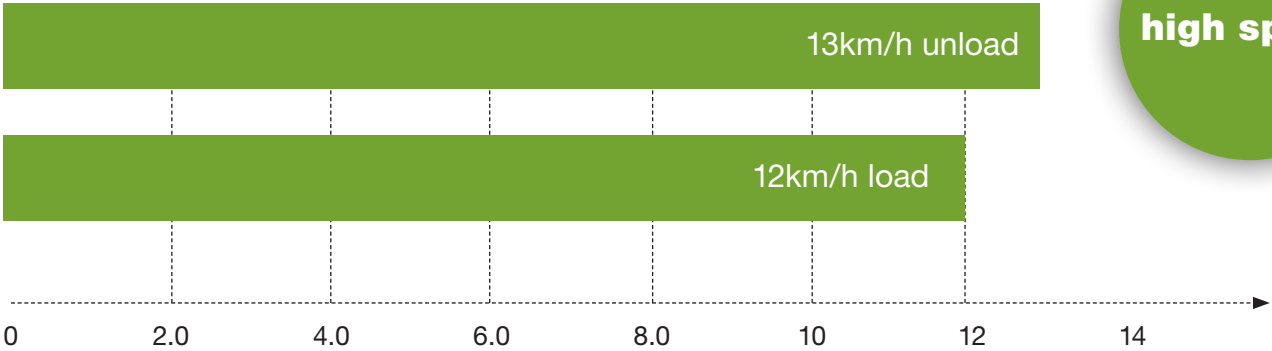
INDOORS AND OUTDOORS USING



The forklift is equipped with front and rear solid rubber tires, which can adapt to various indoor and outdoor ground conditions. The high chassis design has excellent trafficability.Besides, the forklift adopts a high-power Ac drive motor with a better climbing performance.



HIGH SPEED DRIVING HIGH EFFICIENT WORK



The articulated forklift is equipped with super high-power AC drive motor to provide sufficient power;The max driving speed with full load can reach 12km/h, and the max driving speed with no load can reach 13km/h

FLEXIBLE STEERING

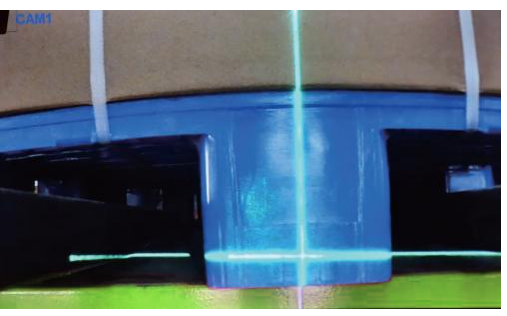
Easy Operation in Narrow Aisle Width

The mast swing angle is 210 degree. When turning, the max. mast swing angle is 210 degree.





Lift height	4600--12500mm
Rated capacity	2000kg
Load center	600mm
Drive speed,load/unload	12/13kmh
Maxgradeability, load/unload	12%/13%
Drive motor type	AC
Lift motor type	AC
Battery, voltage/capacity	80V500AH
Turning radius	2200mm



Laser-assisted alignment of forks
Laser-assisted alignment of forklift

Super power

Low energy consumption

Long work life



HD camera display



Options: Electric proportion integrated handle, easier operation and more accurate

- 80V system with AC 16.3KW drive motor
- High power maintenance-free AC drive motor provides super power
- High power AC 15KW lift motor provides sufficient power for hydraulic system, which makes operation more stable
- 80V system with higher voltage and lower current, which makes the energy consumption more optimized and provide long work life



LCD display

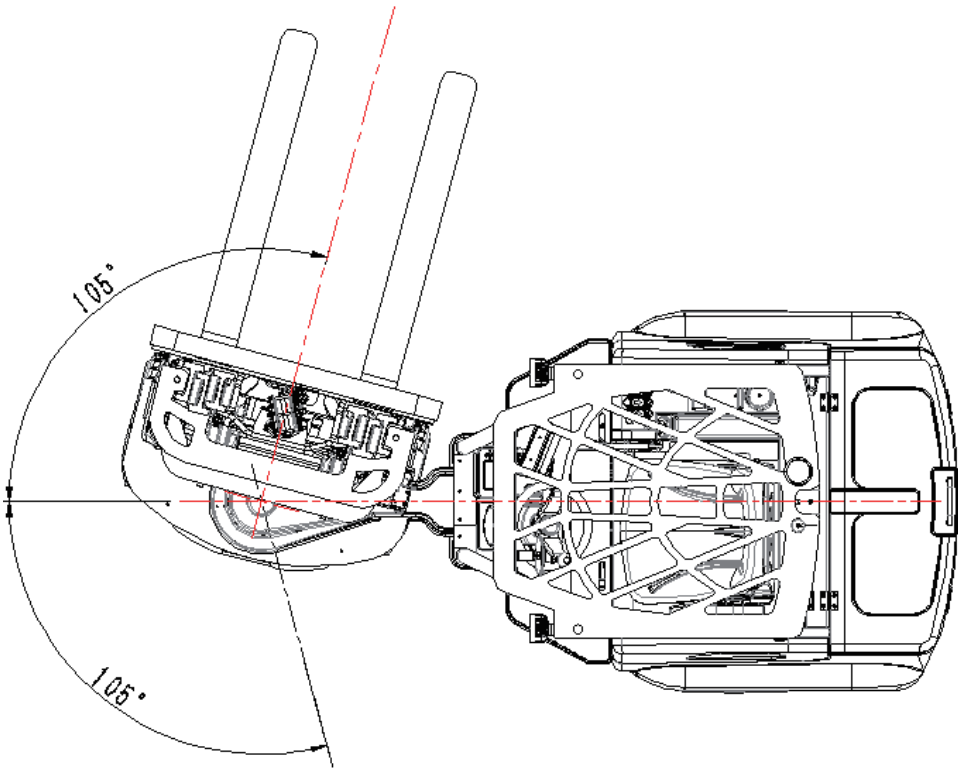
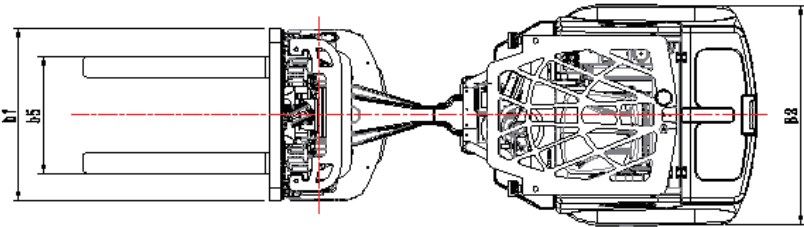
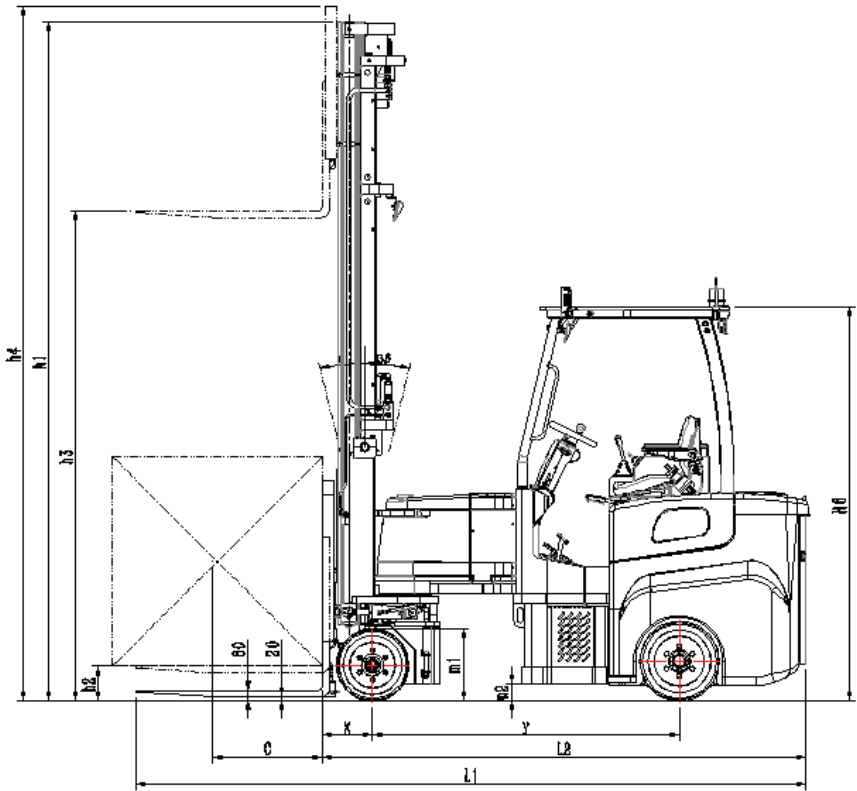


High strength overhead guard for safer protection Grid top design for better view

SPECIFICATIONS

Standard				
1.1	Manufacturer		LiuGong	LiuGong
1.2	Model		CPJD20	CPJD20H
	Option		EM-B	EMH-B
1.3	Power type		Battery	Battery
1.4	Operation type		Seated	Seated
1.5	Rated capacity	Q(kg)	2000	2000
1.6	Load center	C(mm)	600	600
1.7	Load distance	x(mm)	285	285
1.8	Wheelbase	y(mm)	1720	1720
Weights				
2.1	Service weight(incl.battery)	kg	7460	8140
2.2	Axle load with load,drve side/load side	kg	5290/4250	5600/4650
2.3	Axle load without load,drive side/load side	kg	2250/5210	2470/5670
Tyres				
3.1	Tyre type		Solid rubber tire	Solid rubber tire
3.2	Tyre size,load side	mm	φ457×178	φ457×178
3.3	Tyre size,Drive wheel	mm	φ415×178	φ415×178
3.4	Number of wheels,front/rear X=drive		2X/2	2X/2
3.5	Tread,drive side	b10(mm)	800	800
3.6	Tread,load side	b11(mm)	1090	1220
Dimension				
4.1	Mast tilt,forward/backward	a/B(P)	1/3	1/3
4.2	Mast swing angle	(°)	210	210
4.3	Height,mast closed	h1(mm)		
4.4	Free lift height	h2(mm)		
4.5	Rated weight lift height	h3(mm)	3300	3300
4.6	Lift height range	h3(mm)	4600 ~ 10000	4600 ~ 12500
4.7	Height,mast extended	h4(mm)		
4.8	Overhead guard height	h6(mm)	2250	2250
4.9	Seat height	h7(mm)	1230	1230
4.1	Overall length	L1(mm)	3830	3830
4.11	Overall length without forks	L2(mm)	2730	2730
4.12	Overall width	b1/b2(mm)	980/1260	980/1400
4.13	Fork size	V/e/s(mm)	1100/100/50	1100/100/50
4.14	Installation level		I	II
4.15	Fork cariage width	b3(mm)	990	990
4.16	Outside distance between forks	b5(mm)	250 ~ 890	250 ~ 890
4.17	Side shift dstance	mm	±100	±100
4.18	Min.ground clearance of mast	m1(mm)	50	50
4.19	Min.Ground clearance of chassis	m2(mm)	100	100
	Min.stacking aislewidth (800X1200mm pallet,C=60mm	mm	1900	2100
4.20 ★	Efficiency aisle Distance between goods to goods ≥	mm	2000	2200
	Distance between rack to rack ≥	mm	2200	2400
	More other stacking aisle width	mm		
4.21	Min.main aisle(800X1200mm pallet)	mm	2650	2650
4.22	Turning radius	Wa(mm)	2200	2200
Performance				
5.1	Driving speed,load/unload	km/h	15/12	15/12
5.2	Lifting speed, load/unload	mm/s	400/420	400/420
5.3	Lowering speed, load/unload	mm/s	280/200	280/200
5.4	Traction(S2-5min)	N		
5.5 ★	Max.Gradeability from slope load/unload(S2-5min)	%(tanθ)	15/15	15/15
5.6	Braking type		Hydraulic	Hydraulic
Driving				
6.1	Drive motor(S2-60min)	kw	AC16.3	AC16.3
6.2	Lifting motor(S3-15%)	kw	AC15	AC15
6.3	Battery,voltage/capacity	V/Ah	80/500	80/500
6.4	Battery weight	kg	1380	1380
6.5	Steering type		Hydraulic	Hydraulic
Other				
7.1	Lithium battery,voltage/capacity(standard)	V/Ah	80/460	80/460
7.2	(Optional)	V/Ah	80/400	80/400

Marks: Above dat is for standard model. Varies depending on diferent configuration.4.20* The minimum aisle is the net width between goods and goods, and the distance between rack and rack should be increased accordingly, it is recommended to add 200 mm or more.5.5* It is the maximum gradeability from the slope, and the maximum gradeability (load/unload) is 15/15.



Load capacity parameter— — CPJD20-EM-B

Lift height(mm)	Capacity kg							
	10000	500	470	450	430	410	390	370
	9500	650	620	580	560	530	510	490
	9000	780	740	700	670	640	610	580
	8500	880	830	790	750	720	690	660
	8000	950	900	850	810	780	740	710
	7500	1050	990	940	900	860	820	790
	7150	1080	1020	970	920	880	840	810
	7000	1100	1040	990	940	900	860	820
	6750	1150	1090	1030	980	940	900	860
	6300	1200	1140	1080	1030	980	940	900
	5700	1300	1230	1170	1110	1060	1010	970
	5400	1350	1280	1210	1160	1100	1050	1010
	4800	1400	1330	1260	1200	1140	1090	1050
	4600	1450	1370	1300	1240	1180	1130	1080
	3300	2000	1890	1800	1710	1630	1560	1500
		600	650	700	750	800	850	900
		Horizontal load center mm						

Load capacity parameter— — CPJD20-EMW-B

Lift height(mm)	Capacity kg							
	12500	/	/	/	/	/	/	/
	12000	/	/	/	/	/	/	/
	11500	/	/	/	/	/	/	/
	11000	/	/	/	/	/	/	/
	10800	/	1	/	/	/	/	/
	10500	/	/	/	/	/	/	/
	10000	800	760	720	680	660	620	600
	9500	900	850	810	770	730	700	670
	9000	950	900	850	810	780	740	710
	8500	1050	990	940	900	860	820	790
	8000	1150	1090	1030	980	940	900	860
	7500	1250	1180	1120	1070	1020	980	930
	7150	1300	1230	1170	1110	1060	1010	970
	7000	1350	1280	1210	1160	1100	1050	1010
	6750	1380	1310	1240	1180	1130	1080	1030
	6300	1450	1370	1300	1240	1180	1130	1080
	5700	1530	1450	1380	1310	1250	1190	1140
	5400	1600	1510	1440	1370	1310	1250	1200
	4800	1680	1590	1510	1440	1370	1310	1260
	4600	1750	1660	1570	1500	1430	1370	1310
	3300	2000	1890	1800	1710	1630	1560	1500
		600	650	700	750	800	850	900
		Horizontal load center mm						

Load capacity parameter— — CPJD20-EMH-B

Lift height(mm)	Capacity kg							
	12500	900	850	810	770	730	700	670
	12000	950	900	850	810	780	740	710
	11500	1000	950	900	860	820	780	750
	11000	1050	990	940	900	860	820	790
	10800	1070	1010	960	920	870	840	800
	10500	1100	1040	990	940	900	860	820
	10000	1200	1140	1080	1030	980	940	900
	9500	1230	1160	1110	1050	1000	960	920
	9000	1250	1180	1120	1070	1020	980	930
	8500	1300	1230	1170	1110	1060	1010	970
	8000	1350	1280	1210	1160	1100	1050	1010
	7500	1400	1330	1260	1200	1140	1090	1050
	7150	1430	1350	1290	1220	1170	1120	1070
	7000	1500	1420	1350	1280	1220	1170	1120
	6750	1530	1450	1380	1310	1250	1190	1140
	6300	1550	1470	1390	1330	1270	1210	1160
	5700	1600	1510	1440	1370	1310	1250	1200
	5400	1630	1540	1470	1390	1330	1270	1220
	4800	1730	1640	1560	1480	1410	1350	1290
	4600	1800	1700	1620	1540	1470	1410	1350
	3300	2000	1890	1800	1710	1630	1560	1500
		600	650	700	750	800	850	900
		Horizontal load center mm						

Mast parameter

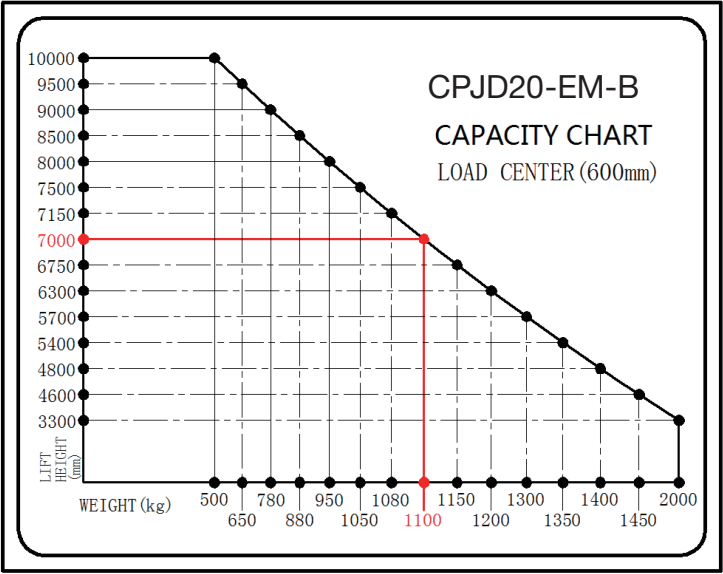
Lift height(mm)	Triplex full free mast											
	Model	CPJD20	46	48	54	57	63	67	70	71	75	80
	Lift height	h3(mm)	4620	4820	5420	5720	6320	6770	7020	7170	7520	8020
	Mast extended height	h4(mm)	5800	6000	6600	6900	7500	8000	8200	8400	8700	9200
	Mast closed height	h1(mm)	2818	2885	3085	3185	3385	3485	3568	3618	3734	3900
	Free lift height	h2(mm)	1134	1200	1400	1500	1700	1950	2034	2084	2202	2368
	Triplex full free mast											
	Model	CPJD20	85	90	95	100	105	108	110	115	120	125
	Lift height	h3(mm)	8520	9020	9520	10020	10520	10820	11020	11520	12020	12520
	Mast extended height	h4(mm)	9700	10200	10700	11200	11700	12000	12200	12700	13200	13700
	Mast closed height	h1(mm)	4067	4234	4400	4567	4734	4834	4900	5067	5234	5400
	Free lift height	h2(mm)	2534	2700	2868	3034	3200	3300	3368	3534	3700	3868

Stacking aisle width parameter— — CPJD20-EM-B

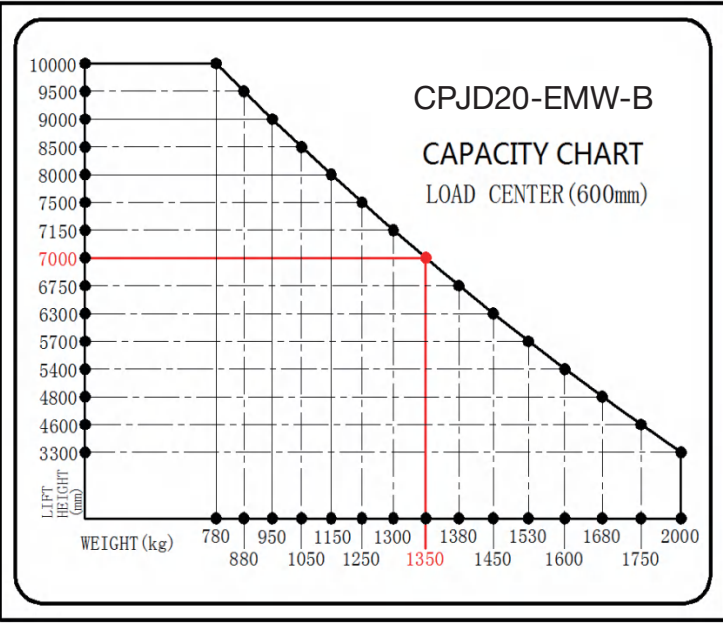
Pallet size along forks direction (L)											Swing angle
	mm	1000	1100	1200	1300	1400	1500	1600	1700	1800	
Pallet size across forks direction(w)	800	/	/	1900	2050	2150	2250	/	/	/	±105
	900	/	/	1950	2080	2180	2280	/	/	/	
	1000	1800	1900	2000	2100	2200	2300	2400	2500	2600	
	1100	1830	1930	2030	2130	2230	2330	2430	2530	2630	
	1200	1850	1950	2050	2150	2250	2350	2450	2550	2650	
	1300	1900	2000	2150	2200	2300	2400	2500	2600	2700	±95
	1400	2000	2100	2200	2300	2400	2500	2600	2700	2800	
	1500	2350	2450	2550	2650	2750	2850	2950	3050	3150	±90
	1600	2400	2500	2600	2700	2800	2900	3000	3100	3200	

Stacking aisle width parameter
— — CPJD20-EMW-B, CPJD20-EMH-B

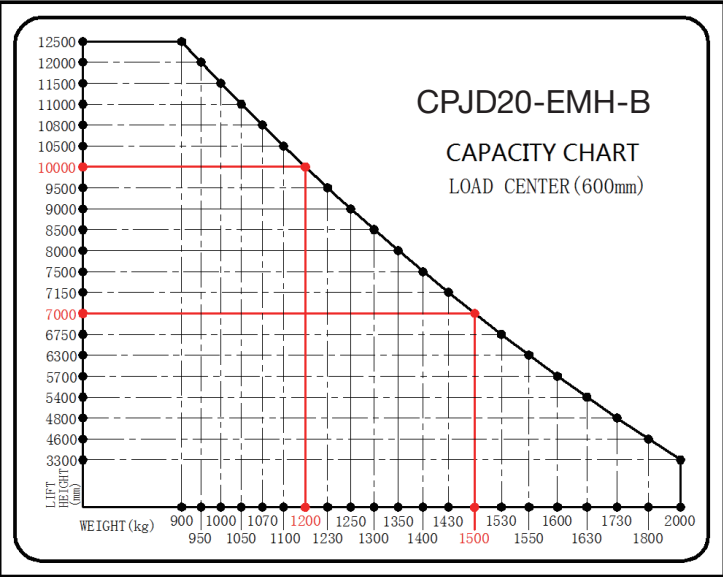
Pallet size along forks direction (L)											Swing angle
	mm	1000	1100	1200	1300	1400	1500	1600	1700	1800	
Pallet size across forks direction(w)	800	/	/	2100	2250	2350	2450	/	/	/	±105
	900	/	/	2150	2280	2380	2480	/	/		
	1000	2000	2100	2200	2300	2400	2500	2600	2700	2800	
	1100	2030	2130	2230	2330	2430	2530	2630	2730	2830	
	1200	2050	2150	2250	2350	2450	2550	2650	2750	2850	
	1300	2100	2200	2300	2400	2500	2600	2700	2800	2900	±100
	1400	2200	2300	2400	2500	2600	2700	2800	2900	3000	±95
	1500	2350	2450	2550	2650	2750	2850	2950	3050	3150	±90
	1600	2400	2500	2600	2700	2800	2900	3000	3100	3200	



Capacity Chart-CPJD20-EM-B



CapacityChart-CPJD20-EMW-B



Capacity Chart-CPJD20-EMH-B