



CQD16NRVF/CQD16NRV/CQD16RVF
CQD16RV/CQD20RVF/CQD20RV
Electric Sit-down Reach Truck 1.6/2.0t

- Up to 11M Stacking Height Makes It Possible to Carry Out Order Picking at High Position with Great Intensity;
- International Quality Components;
- Ergonomics Design, Comfortable and Efficient

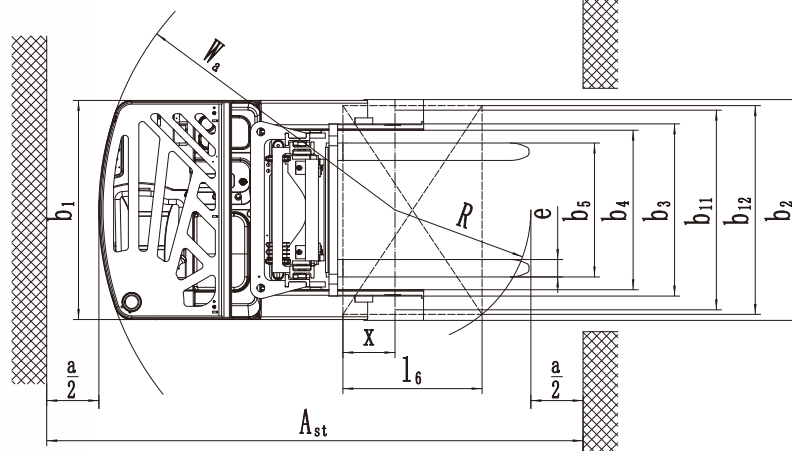
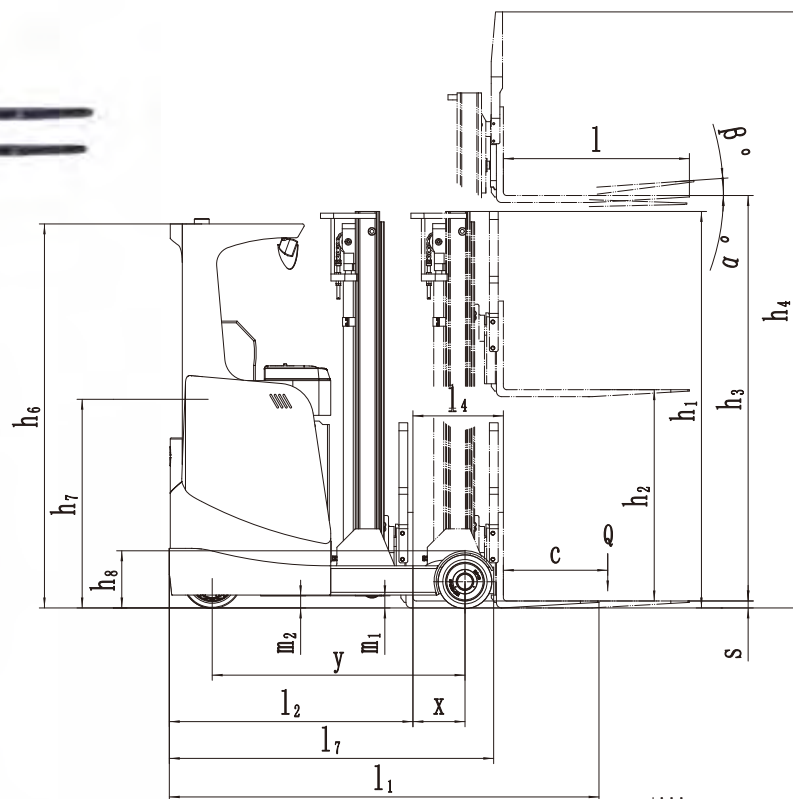
Electric Reach Truck 1.6t

CQD16NRVF/CQD16NRV/CQD16RVF

CQD16RV/CQD20RVF/CQD20RV

Distinguishing mark						
1.1	Manufacturer			EP		
1.2	Model designation			CQD16NRVF	CQD16NRV	CQD16RVF CQD16RV CQD20RVF CQD20RV
1.3	Drive unit			Battery		
1.4	Operator type			Seated		
1.5	rated capacity	Q	t	1.6		2
1.6	Load center distance	c	mm	600		
1.9	Wheelbase	y	mm	1454	1454 ①	1524 ①
Weight						
2.1	Service weight (include battery)		kg	3070 ②	2940 ②	2945 ②
2.2	Axle loading, fork advanced, unladen driving side/loading side		kg	1700/1310		
2.3	Axle loading, fork retracted, unladen driving side/loading side		kg	1990/1020		
2.4	Axle loading, fork advanced, laden driving side/loading side		kg	820/3820		
2.5	Axle loading, fork retracted, laden driving side/loading side		kg	1640/3000		
Types,Chassis						
3.1	Tyre type driving wheels/loading wheels			Polyurethane		
3.2	Tyre size, driving wheels (diameter×width)		mm	343×140		
3.3	Tyre size, loading wheels (diameter×width)		mm	310×96	310×118 ①	
3.4	Tyre size, caster wheels (diameter×width)		mm	/ ②		
3.5	Wheels, number driving , caster/loading (x=drive wheels)			1x, 2	1x, 2 ②	
3.6	Track width, front,driving wheels	b ₁₀	mm	0	0	
3.7	Track width,rear,loading wheels	b ₁₁	mm	1106	1148 ①	
Dimensions						
4.1	Tilt of mast/fork carriage forward/backward	α/ β	°	2/4		
4.2	Height, mast lowered	h ₁	mm	2130 ③		
4.3	Free lift (load backrest)	h ₂	mm	120 ③		
4.4	Lift height	h ₃	mm	3000 ③		
4.5	Height, mast extended	h ₄	mm	4065 ③		
4.7	Height of overhead guard (cabin)	h ₆	mm	2210		
4.8	Seat height/standing height	h ₇	mm	1200		
4.10	Height of wheel arms	h ₈ (mm)	mm	330		
4.19	Overall length (minimum)	l ₁	mm	2502 ①	2470 ①	
4.20	Length to face of forks	l ₂	mm	1432 ①	1400 ①	
4.21	Overall width	b ₁ / b ₂	mm	1192/1202	1260/1270 ①	
4.22	Fork dimensions	s/ e/ l	mm	40×100×1070		40×120×1070
4.23	Fork carriage class/type A, B		mm	A		
4.24	Fork carriage width	b ₃	mm	990		
4.25	Distance between fork-arms	b ₅	mm	200/770	240/740	
4.26	Distance between wheel arms/loading surfaces	b ₄	mm	899	915	
4.28	Reach distance	l ₄	mm	475 ①	520 ①	
4.31	Ground clearance, laden, below mast	m ₁	mm	70		
4.32	Ground clearance, center of wheelbase	m ₂	mm	70 ②		
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2850 ①	2827 ①	2842 ①
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2918 ①	2891 ①	2893 ①
4.35	turning radius	Wa	mm	1705	1705 ①	1770 ①
4.37	Length across wheel arms (exclusive fork)	l ₇	mm	1865	1865 ①	1935 ①
Performance data						
5.1	Travel speed, laden/ unladen		km/ h	10/11	9/9.5	
5.2	Lifting speed, laden/ unladen		m/ s	0.34/0.45	0.28/0.42	
5.3	Lowering speed, laden/ unladen		m/ s	0.31/0.33	0.3/0.33	
5.4	Reaching speed, laden / unladen		m/ s	0.9/0.9		
5.8	Max. gradeability, laden/unladen		%	10/15		
5.10	Service brake type	Electromagnetic				
	Park brake type	Electromagnetic				
Electric-engine						
6.1	Drive motor rating S2 60 min		kW	6.4		
6.2	Lift motor rating at S3 15%		kW	11	11	13
6.3	The maximum allowed size battery		mm	1120×387×778	1220×355×778	1220×427×778
6.4	Battery voltage/nominal capacity K5		V/ Ah	48/500 ④		
6.5	Battery weight		kg	820 ④	925 ④	925 ④
Addition data						
8.1	Type of drive unit	AC				
10.5	Steering type	Electronic				
10.7	Sound pressure level at the driver's ear		dB (A)	75		

1. ①、②、③、④、⑤、⑥ in the parameters is optional configuration , Please see the corresponding schedule ;
2. ② in the CQD20 parameters,When mast lifting height h₃≥10m , tyre size of loading wheels for Φ310×208mm , loading wheels track width for 1238mm, Overall width for 1260/1450mm , center of wheelbase at ground clearance for 20mm .
3. ⑥ in the CQD16 parameters , with two caster wheels and size for Φ102×51mm When mast lifting height h₃≥8m ;
⑥ in the CQD20 parameters , with two caster wheels and size for Φ102×51mm When mast lifting height h₃<10m .



with side shift	CQD16N			CQD16			CQD20		
	2-stage mast	3-stage mast	2-stage mast	3-stage mast	2-stage mast	3-stage mast	2-stage mast	3-stage mast	3-stage mast
Mast style	h ₃ < 7m	h ₃ ≤ 7.5m	h ₃ < 7m	h ₃ ≤ 7.5m	h ₃ < 7m	h ₃ ≤ 7.5m	h ₃ < 7m	h ₃ ≤ 7.5m	h ₃ ≤ 7.5m
Lift height(h ₂)	h ₃ < 7m	h ₃ ≤ 7.5m	h ₃ < 7m	h ₃ ≤ 7.5m	h ₃ < 7m	h ₃ ≤ 7.5m	h ₃ < 7m	h ₃ ≤ 7.5m	h ₃ ≤ 7.5m
Battery capacity	700Ah 750Ah								
Wheelbase	y	1454	1454	1454	1454	1524	1524	1524	1594
Overall length (minimum)	I ₁	2502	2528	2472	2498	2503	2542	2568	2577
Length to face of forks	I ₂	1432	1458	1402	1428	1433	1472	1498	1507
Reach distance	I ₄	475	450	520	495	555	585	560	555
Aisle width for pallets 1000 × 1200 crossways	Ast	2850	2870	2827	2847	2864	2842	2884	2937
Aisle width for pallets 800 × 1200 lengthways	Ast	2918	2941	2891	2914	2921	2893	2917	2995
Aisle width for pallets 1000 × 1200 lengthways	Ast	2961	2984	2932	2958	2967	2941	2963	3041
Aisle width for pallets 800 × 1200 crossways	Ast	2705	2723	2686	2703	2728	2709	2725	2800
Turning radius	W _a	1705							
Length across wheel arms (exclusive fork)	I ₇	1865							

② Service weight (include battery)

Mast height(mm)	Service weight(kg)	
	CQD16N	CQD20
2-stage mast	2-stage mast	2-stage mast
3000	3070	2940
3300	3100	2970
3640	3130	3005
4000	3160	3035
4300	3190	3065
4620	3220	3095
5000	3250	3125
5480	3280	3155
6000	3310	3185
3-stage mast	3-stage mast	3-stage mast
4050	3270	3245
4500	3320	3295
5000	3370	3345
5500	3420	3395
6000	3470	3445
6500	3520	3495
7000	-	3545
7500	-	3595
8000	-	3670
8500	-	3925
9000	-	3980
9500	-	4035
10000	-	4570
10500	-	4630
11000	-	4690

1. The parameters in the table are of the standard model.
For more information please contact us.

2. The parameters are subject to change without notice.

③Mast

CQD16N 2-stage mast

Lift height	Lowered mast height	Free lift	Extended mast height
h3	h1	h2	h4
2700	1980	120	3280
3000	2130	120	3580
3300	2280	120	3880
3640	2450	120	4220
4000	2630	120	4580
4300	2780	120	4880
4620	2960	160	5140
5000	3200	160	5620
5480	3460	160	6120
6000	3720	160	6640
note: (*) for without backrest			

CQD16N 3-stage mast (≤6500mm) :

Lift height	Lowered mast height	Free lift	Extended mast height
h3	h1	h2	h4
4050	1980	915	4680
4500	2130	1065	5130
5000	2280	1215	5580
5500	2450	1385	6090
6000	2630	1565	6630
6500	2780	1715	7080
note: (*) for without backrest			

CQD20 3-stage mast (≥10000mm)

Lift height	Lowered mast height	Free lift	Extended mast height
h3	h1	h2	h4
10000	4160	3095	11065
10500	4330	3265	11565
11000	4490	3425	12065
note: (*) for without backrest			

CQD16-20 2-stage mast

Lift height	Lowered mast height	Free lift	Extended mast height
h3	h1	h2	h4
2700	1980	120	3280
3000	2130	120	3580
3300	2280	120	3880
3640	2450	120	4220
4000	2630	120	4580
4300	2780	120	4880
4620	2960	160	5140
5000	3200	160	5620
5480	3460	160	6120
6000	3720	160	6640
note: (*) for without backrest			

CQD16-20 3-stage mast (≤7500mm) :

Lift height	Lowered mast height	Free lift	Extended mast height
h3	h1	h2	h4
4050	1980	915	4680
4500	2130	1065	5130
5000	2280	1215	5580
5500	2450	1385	6090
6000	2630	1565	6630
6500	2780	1715	7080
7000	3050	1985	8065
7500	3220	2155	8565
note: (*) for without backrest			

CQD16-20 3-stage mast (8000mm≤h₃≤9500mm) :

Lift height	Lowered mast height	Free lift	Extended mast height
h3	h1	h2	h4
8000	3390	2325	9065
8500	3610	2545	9565
9000	3770	2705	10065
9500	3940	2875	10565
note: (*) for without backrest			

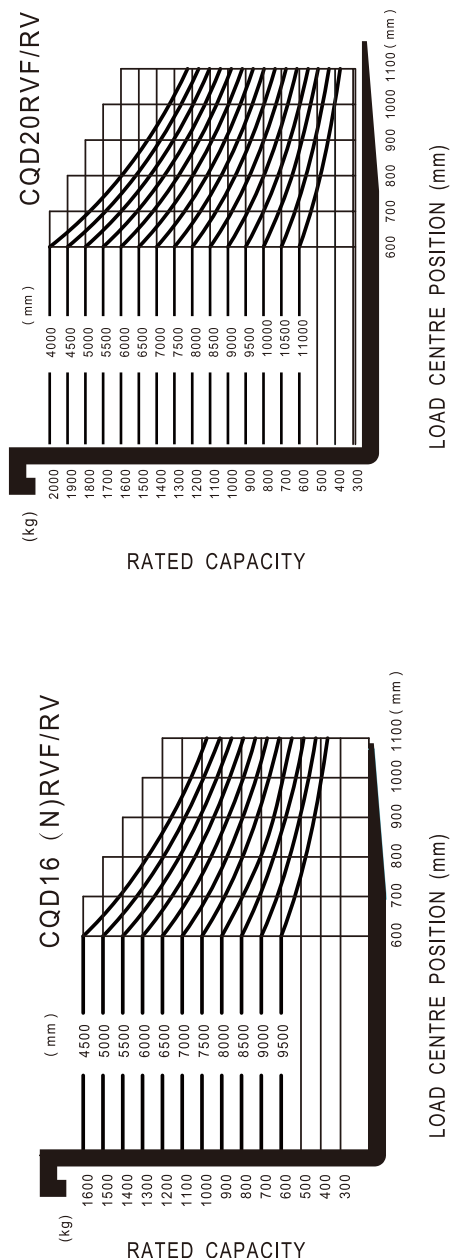
④ Battery

CQD16N			CQD16			CQD20				
Capacity (Ah)	3HPzS 400	4HPzS 500	4HPzS 600	3HPzS 400	4HPzS 500	4HPzS 600	4HPzS 500	5HPzS 600	5HPzS 700	5HPzS 750
Battery weight (kg)	745	820	900	745	925	935	925	935	1115	1140

Options	CQD16RVF	CQD16NRVF	CQD16RV	CQD16NRV	CQD20RVF	CQD20RV
Driving pedal	—	—	—	—	—	—
Electronic Power steering	●	●	●	●	●	●
Battery capacity	●500Ah ○400/600/700/775Ah	●500Ah ○400/600Ah	●500Ah ○400/600/700/775Ah	●500Ah ○400/600Ah	●500Ah ○400/600/700/775Ah	●500Ah ○400/600/700/775Ah
Lateral change battery	○	○	○	○	○	○
Cold storage	○	○	○	○	○	○
Side shift	●	●	●	●	●	●
Front light and warning light	●	●	●	●	●	●
Rearview mirror	●	●	●	●	●	●
Hummer	○	○	○	○	○	○
Height display	●	●	○	○	●	○
● standard ○ Option						

1. The parameters in the table are the standard model, for more information please contact us.
2. The parameters are subject to change without notice.

RATED CAPACITIES GRAPH





Electric forklift pioneer of China
One stop warehouse equipment manufacturer
Global intralogistics service provider

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