



CQD16(F)

Electric Reach Truck 1.6T

- Optimal visibility
- High stability
- Enjoyable lifting operation

EP EQUIPMENT CO.,LTD
www.ep-ep.com

FEATURE

■ Optimal visibility

Along with the offset layout of the oil tubes, stacking visibility and operation flexibility of CQD16(F) are greatly improved.



■ High stability

The low center of gravity and the newly I-beam mast design enhance the truck stability. The maximum lifting height of CQD16(F) is 8000 mm.



Max. Lifting Height(fully loaded)

■ Enjoyable lifting operation

CQD16(F) offers powerful performance and quiet operation through the upgraded hydraulic pump and the 11.75 kw lifting motor. The upgraded technology greatly boosts stacking efficiency by 50%, reduces operation noise by 10 dB and the energy consumption by 30%.

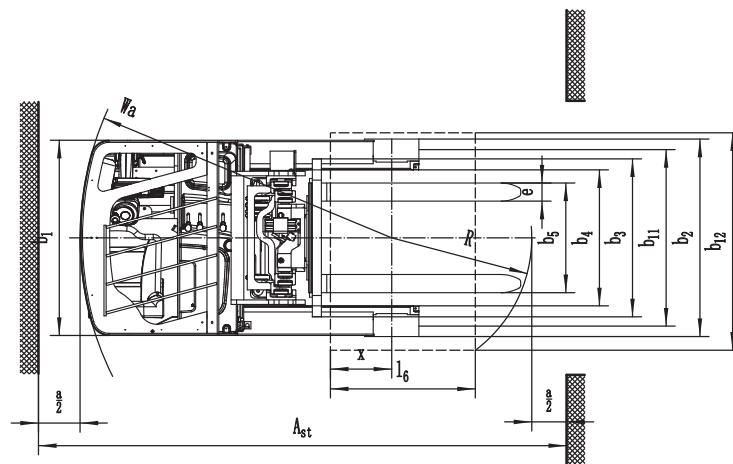
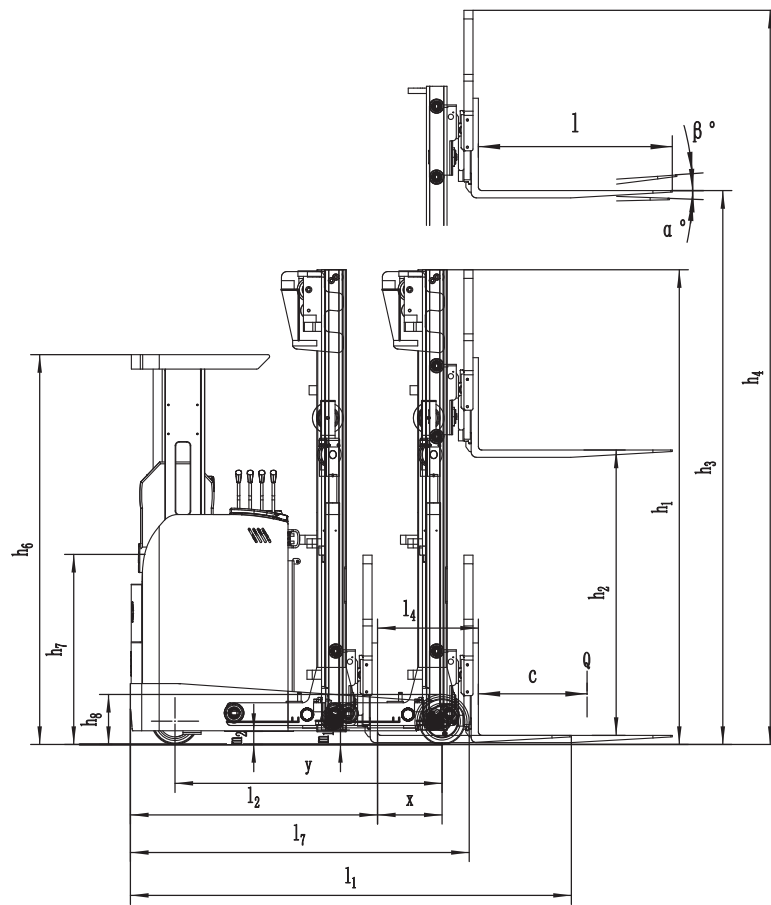


Electric Reach Truck 1.6T

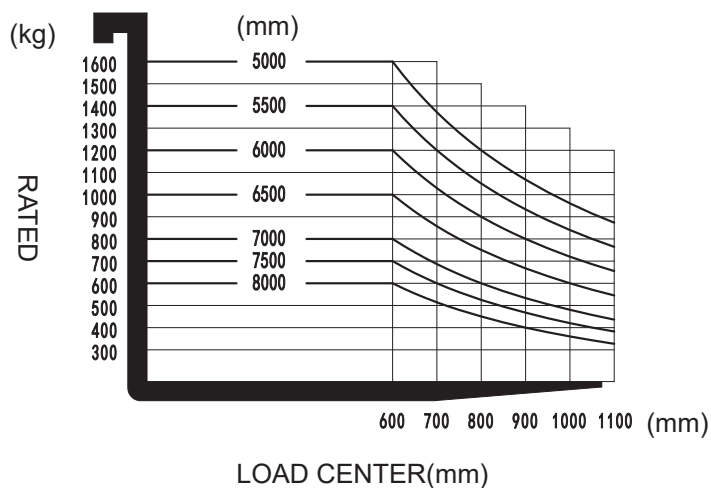
CQD16(F)

Distinguishing mark	1.1	Manufacturer			EP
	1.2	Model designation			CQD16(F)
	1.3	Drive unit			Electric
	1.4	Operator type			Seated
	1.5	Rated capacity	Q	kg	1600
	1.6	Load center distance	c	mm	600
	1.8	Load distance, centre of drive axle to fork	x	mm	356③
	1.9	Wheelbase	y	mm	1474
Service weight	2.1	Service weight		kg	3115
	2.3.1	Axle loading, unladen front/rear		kg	1950/1216
	2.4.1	Axle loading, fork advanced, laden front/rear		kg	500/4304
	2.5.1	Axle loading, fork retracted, laden front/rear		kg	1590/3224
Tyres/chassis	3.1	Tyre type			Polyurethane
	3.2.1	Tyre size, front		mm	Φ260×105
	3.3.1	Tyre size, rear		mm	Φ254×114
	3.4	Additional wheels		mm	Φ102×51
	3.5.1	Wheels, number front/rear (x=drive wheels)		mm	1x/2
	3.6	Tread, front	b10	mm	—
	3.7	Tread, rear	b11	mm	974
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	°	2/4
	4.2	Height, mast lowered	h1	mm	2780
	4.3	Free lift	h2	mm	1522
	4.4	Lift height	h3	mm	6500
	4.5	Height, mast extended	h4	mm	7535
	4.7	Height of overhead/ guard cabin	h6	mm	2153
	4.8	Seat height/standing height	h7	mm	1050
	4.10	Height of wheel arms	h8	mm	277
	4.19	Overall length	l1	mm	2434
	4.20	Length to face of forks	l2	mm	1364
	4.21	Overall width	b1/b2	mm	1080/1090
	4.22	Fork dimensions	s/e/l	mm	40/100/1070
	4.23	A,B Fork carriage class/type A, B			2A
	4.24	Fork carriage width	b3	mm	872③
	4.25	Distance between fork-arms	b5	mm	200-655③
	4.26	Distance between wheel arms/loading surfaces	b4	mm	750
	4.28	Reach distance	l4	mm	555③
	4.31	Ground clearance, laden, below mast	m1	mm	80
	4.32	Ground clearance, center of wheelbase	m2	mm	70
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2800③
	4.34.2	Aisle width for pallets 800×1200 crossways	Ast	mm	2862③
Performance data	4.35	Turning radius	Wa	mm	1720
	4.37	Length across wheel arms	l7	mm	1870
	5.1	Travel speed, laden/unladen		km/h	9/9.3
	5.2	Lifting speed, laden/unladen		m/s	0.35/0.55
	5.3	Lowering speed, laden/unladen		m/s	0.5/0.55
	5.4	Reaching speed, laden /unladen		m/s	0.15/0.15
	5.8	Max. gradeability, laden/unladen		%	8/10
Electric-engine	5.10	Service brake			Electromagnetic
	5.11	Parking brake			Electromagnetic
	6.1	Drive motor rating S2 60 min		kW	4
	6.2	Lift motor rating at S3 15%		kW	11.75
	6.4	Battery voltage/nominal capacity		V/Ah	48/420④
Addition data	6.5	Battery weight		kg	739④
	8.1	Type of drive unit			AC
	10.5	Steering design			Electronic
	10.7	Sound pressure level at the driver's ear		dB(A)	75

If there are improvements of technical parameters or configurations, no further notice will be given.
The diagram shown may contain non-standard configurations.



RATED CAPACITIES GRAPH



Mast Option

①Service weight (include battery)

Mast height(mm)	Service weight(kg)	Mast height(mm)	Service weight(kg)
2-stage mast		3-stage mast	
2700	2772	4000	2937
3000	2797	4500	2972
3300	2822	5000	3008
3640	2847	5500	3044
4000	2872	6000	3080
4300	2897	6500	3115
—	—	7000	3151
—	—	7500	3187
—	—	8000	3231

②Mast

Mast types	Lift height (h3)	Height, Mast			Height, Free lift(h2)	
		Height, mast lowered(h1)	Height, mast extended(h4)		No backrest	With backrest
			No backrest	With backrest		
	mm	mm	mm	mm	mm	mm
2-Standard Mast	2700	1900	3266	3560	0	0
	3000	2050	3566	3860	0	0
	3300	2200	3866	4160	0	0
	3640	2370	4206	4500	0	0
	4000	2550	4566	4860	0	0
	4300	2700	4866	5160	0	0
3-Free Mast	4000	1930	4899	4899	662	662
	4500	2100	5399	5399	842	842
	5000	2270	5899	5899	1002	1002
	5500	2440	6399	6399	1182	1182
	6000	2610	6899	6899	1342	1342
	6500	2780	7399	7399	1522	1522
	7000	2950	7899	7899	1682	1682
	7500	3120	8399	8399	1842	1842
	8000	3330	8899	8899	2102	2102

③Dimensions(mm)

		without side shift		with side shift	
		2-stage mast	3-stage mast	2-stage mast	3-stage mast
Overall length (minimum)	I1	2377	2399	2412	2434
Length to face of forks	I2	1307	1329	1342	1364
Fork carriage width	b3	837		872	
Outside width of the forks	b5	200-620		200-655	
Reach distance	I4	590		555	
Aisle width for pallets 1000×1200 crossways	Ast	2758	2774	2793	2800
Aisle width for pallets 800×1200 lenthways	Ast	2810	2830	2842	2862
Aisle width for pallets 1000×1200 lenthways	Ast	2868	2886	2904	2916
Aisle width for pallets 800×1200 crossways	Ast	2644	2656	2664	2677

④Battery

Capacity(Ah)	Battery weight (kg)
300	600
360	620
420	739
450	739

Option

No.	Optional items	CQD16
1.1	Fork dimension	○900*600、2A、100*40*920●900*600、2A、100*40*1070 ○900*600、2A、100*40*1150○900*600、2A、100*40*1220 ○900*600、2A、100*40*1370
1.2	Leg width	●751
1.4	Fork carriage width	●620mm(Without sideshifter)○655mm(With sideshifter)
1.5	backrest height	●820mm(Without sideshifter)○995mm(With sideshifter)
2.1	Load wheel type	●Single
2.2	Load wheel material	●Polyurethane
2.3	Drive wheel material	●Polyurethane
2.7	Battery capacity	○300Ah●420Ah○450Ah
2.8	Charger	●48V-45A External○48V-50A External○48V-60A External
2.10	Seat type	●Suspension
2.11	Attachments	●No○Built-in sideshifter
3.3	Castor wheels	●Yes and not customized
3.4	Water auto-filling system	●No○Yes and not customized
3.5	Front lamp	●LED
3.6	Rear lamp	●No○LED
3.7	Warning lamp	●Yes and not customized
3.9	Blue lamp	●No○Yes and not customized
3.10	Area warning lamp	●No○Yes and not customized
3.11	Rearview mirror	●Yes and not customized
3.12	Buzzer	●No○Yes and not customized
3.14	Camera	●No○Yes and not customized
3.15	Fire extinguisher	●No○Yes and not customized
3.17	OPS system	●No○Yes and not customized
3.23	Telematics	●No○Yes and not customized
4.2	Cold storage	●No○Yes and not customized
4.6	Forks tilt forward and backward	●Yes and not customized
4.7	Overhead guard	●No○Yes and can be customized(Drive-in)

Note: ●Standard ○ Optional - Inconformity

No.	Optional items	CQD16F
1.1	Fork dimension	○900*600、2A、100*40*920●900*600、2A、100*40*1070 ○900*600、2A、100*40*1150○900*600、2A、100*40*1220 ○900*600、2A、100*40*1370
1.2	Leg width	●751
1.4	Fork carriage width	●620mm(Without sideshifter)○655mm(With sideshifter)
1.5	backrest height	●820mm(Without sideshifter)○995mm(With sideshifter)
2.1	Load wheel type	●Single
2.2	Load wheel material	●Polyurethane
2.3	Drive wheel material	●Polyurethane
2.7	Battery capacity	○300Ah●420Ah○450Ah
2.8	Charger	●48V-45A External○48V-50A External○48V-60A External
2.10	Seat type	●Suspension
2.11	Attachments	●No○Built-in sideshifter
3.3	Castor wheels	●Yes and not customized
3.4	Water auto-filling system	●No○Yes and not customized
3.5	Front lamp	●LED
3.6	Rear lamp	●No○LED
3.7	Warning lamp	●Yes and not customized
3.9	Blue lamp	●No○Yes and not customized
3.10	Area warning lamp	●No○Yes and not customized
3.11	Rearview mirror	●Yes and not customized
3.12	Buzzer	●No○Yes and not customized
3.14	Camera	●No○Yes and not customized
3.15	Fire extinguisher	●No○Yes and not customized
3.17	OPS system	●Yes and not customized
3.23	Telematics	●No○Yes and not customized
4.2	Cold storage	●No○Yes and not customized
4.5	Proportional lift system	●Yes and not customized
4.6	Forks tilt forward and backward	●Yes and not customized
4.7	Overhead guard	●Yes○Yes and can be customized(Drive-in)
Note: ●Standard ○ Optional - Inconformity		