



CQD20LB

Li-ion Reach Truck 2.0T

- Lithium technology for great effectiveness
- Multi-functional configurations for easy operation
- Enhanced mast with better visibility and safety
- Low center of gravity for stability

LI-ION
TECHNOLOGY

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

FEATURE



280Ah
Li-Ion Battery



200A
Charger

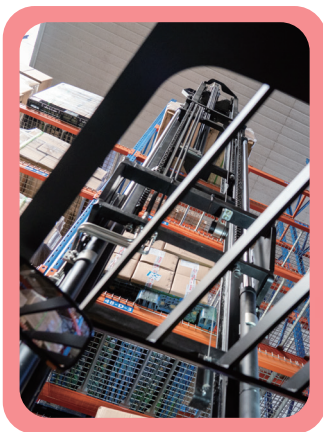


■ Lithium technology for great effectiveness

CQD20LB adopts 48V/280Ah Li-ion battery as standard and it features zero battery maintenance and opportunity charging during breaks. This makes CQD20LB a flexible and cost-effective tool to store and retrieve pallets in multi working shifts.

■ Multi-functional configurations for easy operation

CQD20LB is of tremendous help to the operator with full-color display, electric steering, joystick system as well as proportional lifting system, which the operator can take advantage of to handle loads more easily and precisely.



■ Enhanced mast with better visibility and safety

CQD20LB's mast enables an unimpeded view of raised loads since the cylinders are moved to the side, and the enhanced mast is also vibration-free. This makes it ideal for safe operation at height up to 8.0m and perform full lifting capacity up to 3.6 m.

■ Low center of gravity for stability

CQD20LB has a robust chassis with low center of gravity and provides driving stability and reduces the risk of accidents.

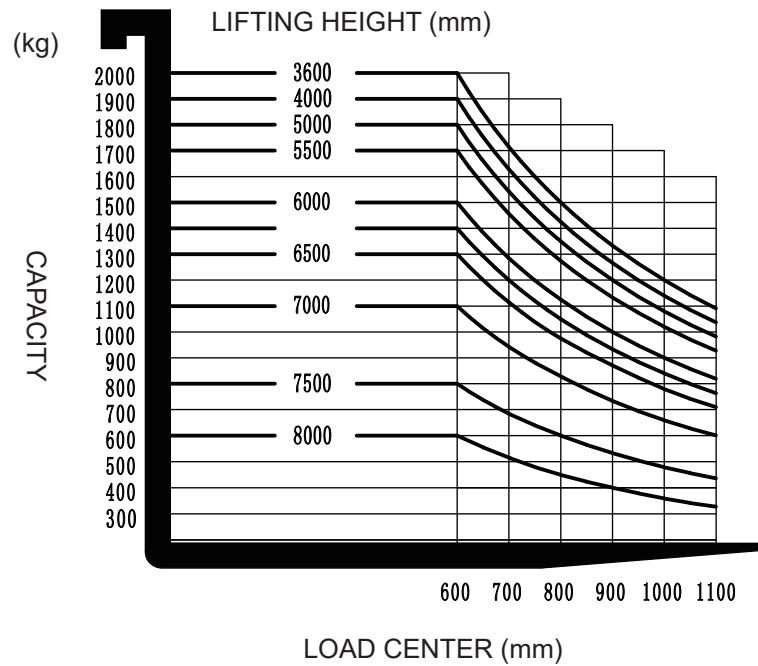
Li-ion Reach Truck 2.0T

CQD20LB

Distinguishing mark	1.1	Manufacturer			EP
	1.2	Model designation			CQD20LB
	1.3	Drive unit			Electric
	1.4	Operator type			Seated
	1.5	Rated capacity	Q	kg	2000
	1.6	Load center distance	c	mm	600
	1.8	Load distance, centre of drive axle to fork	x	mm	399③
	1.9	Wheelbase	y	mm	1514
Service weight	2.1	Service weight		kg	3315①
	2.3.1	Axle loading, unladen front/rear		kg	2050/1265
	2.4.1	Axle loading, fork advanced, laden front/rear		kg	390/4845
	2.5.1	Axle loading, fork retracted, laden front/rear		kg	1690/3535
Tyres/chassis	3.1	Tyre type			Polyurethane
	3.2.1	Tyre size, front		mm	Φ260×125
	3.3.1	Tyre size, rear		mm	Φ310×118
	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	—
Dimensions	3.7	Tread, rear	b11	mm	1147
	4.1	Tilt of mast/fork carriage forward/backward	α/β	°	2/4
	4.2	Height, mast lowered	h1	mm	3330②
	4.3	Free lift	h2	mm	2102②
	4.4	Lift height	h3	mm	8000②
	4.5	Height, mast extended	h4	mm	9035②
	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	332
	4.19	Overall length	l1	mm	2447③
	4.20	Length to face of forks	l2	mm	1377③
	4.21	Overall width	b1/b2	mm	1110/1270
	4.22	Fork dimensions	s/e/l	mm	40/122/1070
	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	630③
	4.31	Ground clearance, laden, below mast	m1	mm	74
	4.32	Ground clearance, center of wheelbase	m2	mm	58
Performance data	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2840③
	4.34.2	Aisle width for pallets 800×1200 crossways	Ast	mm	2890③
	4.35	Turning radius	Wa	mm	1776
	4.37	Length across wheel arms	l7	mm	1954
	5.1	Travel speed, laden/unladen		km/h	8.5/9
	5.2	Lifting speed, laden/unladen		m/s	0.35/0.5
	5.3	Lowering speed, laden/unladen		m/s	0.5/0.45
Electric-engine	5.4	Reaching speed, laden /unladen		m/s	0.15/0.15
	5.8	Max. gradeability, laden/unladen		%	8/10
	5.10	Service brake			Electromagnetic
	5.11	Parking brake			Electromagnetic
Addition data	6.1	Drive motor rating S2 60 min		kW	6.5
	6.2	Lift motor rating at S3 15%		kW	13
	6.4	Battery voltage/nominal capacity		V/Ah	48/280④
	6.5	Battery weight		kg	450④
	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

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	—	—
	3000	2050	3566	3860	—	—
	3300	2200	3866	4160	—	—
	3640	2370	4206	4500	—	—
	4000	2550	4566	4860	—	—
	4300	2700	4866	5160	—	—
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

Option

No.	Optional items	CQD20LB
1.1	Fork dimension	○900*600、2A、122*40*920●900*600、2A、122*40*1070 ○900*600、2A、122*40*1150○900*600、2A、122*40*1220 ○900*600、2A、122*40*1370
1.2	Leg width	●751
1.4	Fork carriage width	●620mm○655mm(with sideshifter)
1.5	backrest height	●820mm○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	●280Ah-Li○360Ah-Li
2.8	Charger	●48V-100A-Li external○48V-150A-Li external○48V-200A-Li external
2.10	Seat type	●Suspension
2.11	Attachments	●No○Built-in sideshifter
3.3	Castor wheels	●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
3.13	Height display	●Yes (only for 3-stage mast)
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	●Regular○Drive-in
Note: ●Standard ○ Optional - Inconformity		