KARBAR
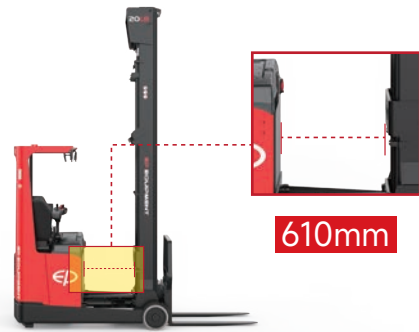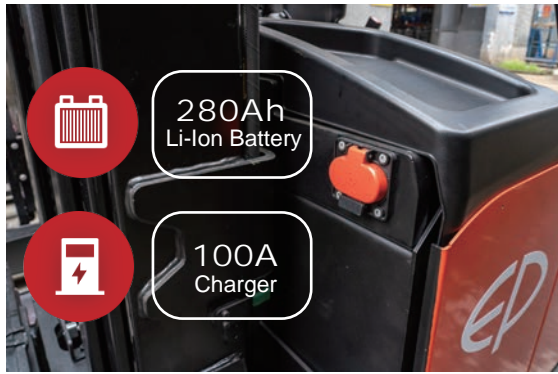
CQD20LB
Li-ion Reach Truck
2000kg

LI-ION TECHNOLOGY

- 48V/280Ah Li-ion battery and external charging plug for great convenience and adaptability
- Enhanced mast with better visibility and safety
- Hydraulic system with new components for better loads handling
- Higher efficiency with a 610mm reach distance and maximum lifting/lowering speeds of 0.55m/s and 0.5m/s.
- Multi-functional configurations like proportional lifting, electric steering and full-color display for easy operation
- Turnable seat compartment for easy maintenance
- Spacious operation space for fatigue-free work

CE

Manufacturer			EP
Model designation			CQD20LB
Drive unit			Electric
Load center distance	c	mm	600
Service weight		kg	3940
Lift height	h3	mm	9500
Height, mast extended	h4	mm	10560
Length to face of forks	l2	mm	1373
Overall width	b1/b2	mm	1260/1270
Fork dimensions	s/e/l	mm	40/120/1070
Reach distance	l4	mm	610
Turning radius	Wa	mm	1770
Travel speed, laden/unladen		km/ h	10/11
Lifting speed, laden/unladen		m/s	0.45/0.55
Lowering speed, laden/unladen		m/s	0.5/0.45
Max. gradeability, laden/unladen		%	10/15
Battery voltage/nominal capacity		V/Ah	48/280

KARBAR

KMJ FORKLIFT Grup KARBAR

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. Plus, the charging port is external for easy charging and protected by a cover from water and dust ingress for charging safety.

Improved performance for productivity boost

The CQD20LB offers a reach distance of 610mm and makes stacking and retrieving effortless with reach. The lifting and lowering speeds are also improved to reduce your cycle times and elevate your working efficiency.

Complete configurations for easy operation

CQD20LB is of tremendous help to the operator with full-color display, electric steering, joystick system as wall as proportional hydraulic 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 9.5m and perform nominal capacity up to 6.5 m.

Easy maintenance

The seat can be easily turned sideways, providing a quick access to internal components for daily maintenance and repair.
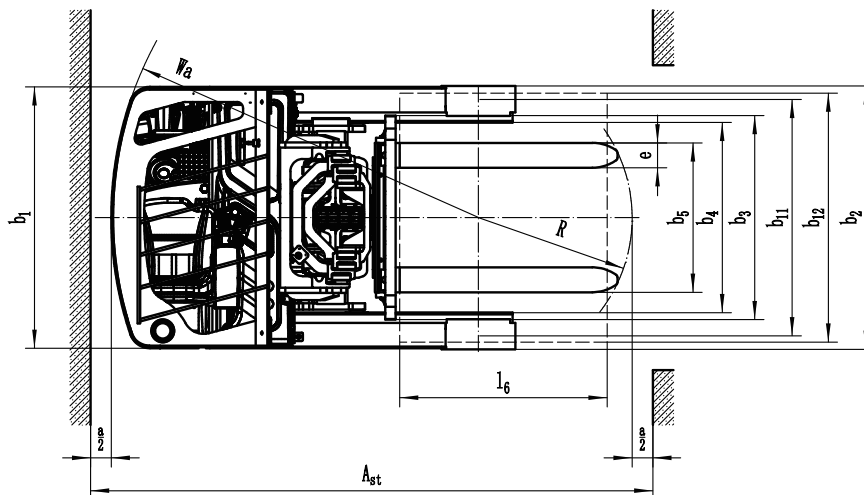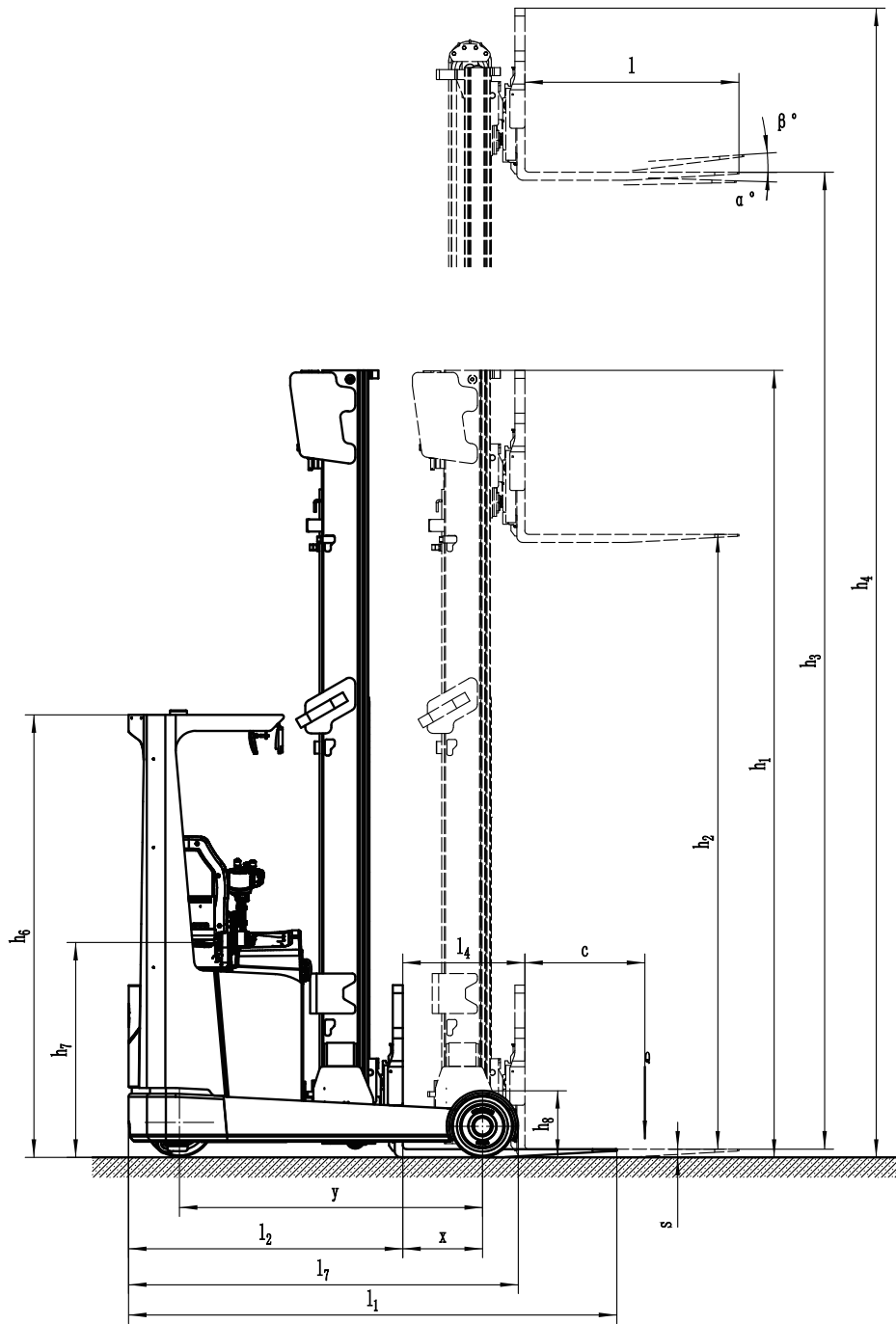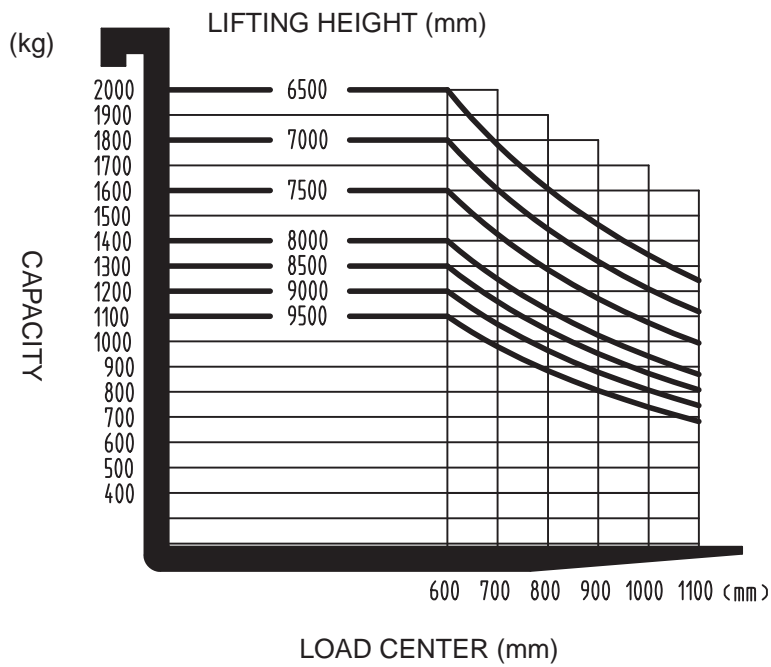
Spacious operation space

CQD20LB offers spacious legroom and a suspension seat to fulfill the ergonomic needs and ensure effective operation.

KARBAR

Li-ion Reach Truck 2000kg
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	399
	1.9	Wheelbase	y	mm	1515
Service weight	2.1	Service weight		kg	3940
	2.3.1	Axle loading, unladen front/rear		kg	2465/1490
	2.4.1	Axle loading, fork advanced, laden front/rear		kg	635/5340
	2.5.1	Axle loading, fork retracted, laden front/rear		kg	2165/3800
Tyres/chassis	3.1	Tyre type			Polyurethane
	3.2.1	Tyre size, front		mm	Φ343×140
	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
	3.7.1	Tread, rear	b11	mm	1148
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	°	2/4
	4.2	Height, mast lowered	h1	mm	3935
	4.3	Free lift	h2	mm	2870
	4.4	Lift height	h3	mm	9500
	4.5	Height, mast extended	h4	mm	10560
	4.7	Height of overhead/ guard cabin	h6	mm	2213
	4.8	Seat height/standing height	h7	mm	1076
	4.10	Height of wheel arms	h8	mm	333
	4.19	Overall length	l1	mm	2443
	4.20	Length to face of forks	l2	mm	1373
	4.21	Overall width	b1/b2	mm	1260/1270
	4.22	Fork dimensions	s/e/l	mm	40/120/1070
	4.23	A,B Fork carriage class/type A, B			2A
	4.24	Fork carriage width	b3	mm	990
	4.25	Distance between fork-arms	b5	mm	240/770
	4.26	Distance between wheel arms/loading surfaces	b4	mm	915
	4.28	Reach distance	l4	mm	610
	4.31	Ground clearance, laden, below mast	m1	mm	70
	4.32	Ground clearance, center of wheelbase	m2	mm	80
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2835
	4.34.2	Aisle width for pallets 800×1200 lengthways	Ast	mm	2885
	4.35	turning radius	Wa	mm	1770
	4.37	Length across wheel arms	l7	mm	1948
Performance data	5.1	Travel speed, laden/unladen		km/ h	10/11
	5.2	Lifting speed, laden/unladen		m/s	0.45/0.55
	5.3	Lowering speed, laden/unladen		m/s	0.5/0.45
	5.4	Reaching speed, laden /unladen		m/s	0.15/0.15
	5.8	Max. gradeability, laden/unladen		%	10/15
	5.10	Service brake			Electromagnetic
	5.11	Parking brake			Electromagnetic
Electric-engine	6.1	Drive motor rating S2 60 min		kW	7
	6.2	Lift motor rating at S3 15%		kW	20
	6.4	Battery voltage/nominal capacity		V/Ah	48/280
	6.5	Battery weight		kg	250
Addition data	8.1	Type of drive unit			AC
	10.5	Steering design			Electronic
	10.7	Sound pressure level at the driver's ear		dB(A)	70
	15.1	Charger output current		A	100

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

KARBAR

RATED CAPACITIES GRAPH

(kg)

LIFTING HEIGHT (mm)

CAPACITY

2000	6500	
1900		
1800	7000	
1700		
1600	7500	
1500		
1400	8000	
1300	8500	
1200	9000	
1100	9500	
1000		
900		
800		
700		
600		
500		
400		

600 700 800 900 1000 1100 〈mm〉

LOAD CENTER (mm)

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
3-Free Mast	4000	1965	4720	5060	1080	900
	4500	2135	5220	5560	1260	1070
	5000	2300	5720	6060	1420	1235
	5500	2465	6220	6560	1580	1400
	6000	2635	6720	7060	1760	1570
	6500	2800	7220	7560	1920	1735
	7000	3045	7720	8060	2160	1890
	7500	3215	8220	8560	2340	2150
	8000	3380	8720	9060	2500	2315
	8500	3600	9220	9560	2720	2535
	9000	3765	9720	10060	2880	2700
	9500	3935	10220	10560	3060	2870

Option

Optional items	CQD20LB
Fork dimension	○No○1000*600、2A 、122*40*920●1000*600、2A 、122*40*1070 ○1000*600、2A 、122*40*1150○1000*600、2A 、122*40*1220 ○1000*600、2A 、122*40*1370○1000*600、2A 、122*40*1500 ○1000*600、2A 、122*40*1600
Reach lift truck Leg width	●917
Fork carriage width	●770mm
Load backrest height	●820mm
Load wheel type	●Single
Load wheel material	●PU
Drive wheel material	●PU
Battery capacity	●280Ah-Li○405Ah-Li○560Ah-Li○No
Charger	●48V-100A-Li External○48V-200A-Li External ○48V-150A-Li External○No
Seat type	●Suspension ○Suspension + safety belt logic switch
Attachments	●Built-in sideshifter
Castor wheels	●Yes and not customized
Front lamp	●LED
Rear lamp	●No○LED
Warning lamp	●Yes and not customized
Blue lamp	●No○Yes and not customized
Area warning lamp	●No○Yes and not customized
Rearview mirror	●Yes and not customized
Buzzer	●No○Yes and not customized
Height display	●Yes and not customized (Only for 3-Free Mast)
Camera	●No○Yes and not customized
Fire extinguisher	●No○Yes and not customized
OPS system	●Yes and not customized
Telematics	●No○Yes and not customized
Speed reduction for elevated mast- Australian standard	●No○Yes and customized
Turn deceleration	●Yes and customized
Heating system during lithium battery charging	●No○Yes and not customized
Travel deceleration function after mast lifting	●No○Yes and not customized
Operator identification device	●No○Swipe card device ○card and password combination device
Battery side pull function	●No
Cold storage	●No○Yes and not customized
Proportional lift system	●Yes and not customized
Forks tilt forward and backward	●Yes and not customized
Overhead guard	●Yes○Driver-in
Drive assembly	●EP25
Solenoid valve system	●Yes and not customized

Note：●Standard ○ Optional - Inconformity