

V2303.01

Let's grow together

CQD16/20L

Electric Reach Truck 1.6/2.0T

- Optimal visibility
- High stability
- Enjoyable lifting operation
- Easy and precise operation

LI-ION TECHNOLOGY

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

FEATURE



Optimal visibility

A much more compact li-ion battery comes with better visibility for CQD16L/20L. Along with the offset layout of the oil tubes, CQD16L/20L stacking visibility and operation flexibility are greatly improved.



Lithium-ion technology

CQD16L/20L is powered by a maintenance-free 48V/405Ah Li-Ion battery. Along with the opportunity charging capability, li-Ion batteries have much faster charging times than lead-acid batteries. EP' s BMS, based on CANBUS system, allows battery cells communicate among each other to deliver powerful performance at all times.



Enjoyable lifting operations

CQD16L and CQD20L offers powerful performance and quiet operations through the upgraded hydraulic pumps and powerful lifting motors. (11.75 kw for CQD16L and 20 kw for CQD20L.) The upgraded technology greatly boosts stacking efficiency by 50%, reduces operational noise by 10 dB and the energy consumption by 30%.



Easy and precise operations

CQD20L is equipped with an mechanic height indicator, that tells operators the correct height of the fork at various rack levels for precise operations to improve the stacking efficiency.

FEATURE



High stability

The low center of gravity and the newly I-beam mast design enhance the truck stability. The maximum lifting height of CQD16L is 8000 mm while the one of CQD20L is 12000 mm.



Electric Power Steering

CQD16L and CQD20L come with full AC motors and electric power steering system that consumes less power compared to hydraulic power steering while keeps operation habits of trucks with mechanical steering through the additional damping force. So CQD16L and CQD20L give more working hours than ones with hydraulic power steering.



Full-color Display

CQD16L and CQD20L are designed with a color display to help operators easily monitor battery charge level, driving speed, and check error codes.



6000K Led Light

CQD16L and CQD20L are equipped with 6000K led lights to cope with the dark environment for optimal visibility.

Electric Reach Truck 1.6T

CQD16L

Distinguishing mark	1.1	Manufacturer			EP
	1.2	Model designation			CQD16L
	1.3	Drive			Electric
	1.4	Operator type			Seated
	1.5	Load capacity	Q	kg	1600
	1.6	Load center distance	c	mm	600
	1.8	Load distance，centre of drive axle to fork	x	mm	390
	1.9	Wheelbase	y	mm	1474
Service weight	2.1	Service weight		kg	2855
	2.3.1	Axle loading, unladen front/rear		kg	1840/1060
	2.4.1	Axle loading, fork advanced, laden front/rear		kg	470/4060
	2.5.1	Axle loading, fork retracted, laden front/rear		kg	1500/3040
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 (castor wheels)		mm	Φ102×51
	3.5.1	Wheels, number front/rear (x=drive wheels)		mm	1x/2
	3.6.1	Tread width, front	b_{10}	mm	——
	3.7.1	Tread width, rear	b_{11}	mm	974
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	°	2/4
	4.2	Retracted mast height	h_1	mm	2780
	4.3	Free lift	h_2	mm	1522
	4.4	Lift height	h_3	mm	6500
	4.5	Height, mast extended	h_4	mm	7535
	4.7	Height of overhead guard (cabin)	h_6	mm	2153
	4.8	Seat height/standing height	h_7	mm	1050
	4.10	Height of wheel arms	h_8	mm	277
	4.19	Overall length	l_1	mm	2434
	4.20	Length to face of forks	l_2	mm	1330
	4.21	Overall width	b_1/b_2	mm	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	b_3	mm	872
	4.25	Distance between fork-arms	b_5	mm	200-655
	4.26	Distance between wheel arms/loading surfaces	b_4	mm	750
	4.28	Reach distance	l_4	mm	590
	4.31	Ground clearance, laden, below mast	m_1	mm	80
	4.32	Ground clearance, center of wheelbase	m_2	mm	70
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2789
	4.34.2	Aisle width for pallets 800×1200 lengthways	Ast	mm	2840
	4.35	Turning radius	Wa	mm	1720
	4.37	Length across wheel arms	l_7	mm	1870
Performance data	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	0.55/0.5
	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
Electric-engine	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	48/405
	6.5	Battery weight		kg	465
Drive/lift mechanism	8.1	Type of drive control			AC
	10.5	Steering design			Electronic
	10.7	Sound pressure level at the driver's ear		dB(A)	75
	15.1	Charger output current		A	——

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