

CQD18S2

Electric Stand-up Reach Truck

1800kg



EP
Let's grow together

- Open cabin design with semi-surrounding protection for easy access in and out
- Spacious operator area with soft backrest and assist grips for stability and control
- High lifting/lowering speeds of up to 0.5m/s and dual-speed lifting mode allow for efficient and precise operation
- 760mm reach distance for great adaptability in diverse environments
- Turn speed control and electric power steering for safer, smoother cornering in tight spaces
- Cushioned suspension system enhances stability on uneven surfaces
- Easy battery removal through mast-assisted extraction for quick maintenance
- Regenerative braking system for extended runtime
- Cold storage option to fulfill cold chain transportation

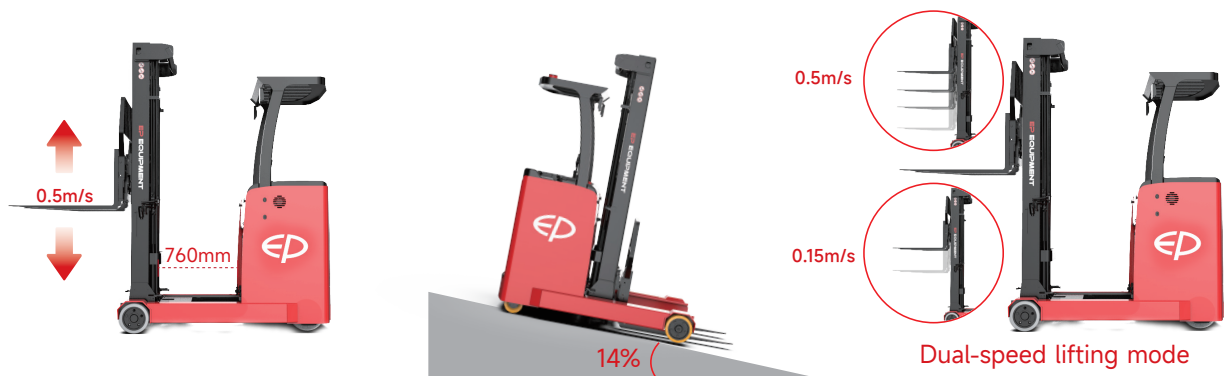
Manufacturer			EP
Model designation			CQD18S2
Drive unit			Electric
Load capacity	Q	kg	1800
Load center distance	c	mm	500
Service weight		kg	2380
Retracted mast height	h1	mm	1995
Lift height	h3	mm	3000
Height, mast extended	h4	mm	4030
Length to face of forks	l2	mm	1155
Overall width	b1/b2	mm	1090/1090
Fork dimensions	s/e/l	mm	40/100/920
Turning radius	Wa	%	1760
Travel speed, laden/unladen		km/h	9.5/10.5
Lifting speed, laden/unladen		m/s	0.30/0.50
Lowering speed, laden/unladen		m/s	0.54/0.50
Max. gradeability, laden/unladen		V/Ah	10/14
Drive motor rating S2 60 min			4.3
Battery voltage/nominal capacity			48/300

FEATURE

High Performance and Efficiency

The CQD18S2 delivers powerful performance, with lifting and lowering speeds of up to 0.5m/s, offering a 25% improvement over the CQD15S. It easily handles demanding ramps thanks to the max gradeability of 14%.

The CQD18S2 offers the dual-speed lifting mode for flexible stacking requirements. With the reach distance of 760mm, it enables efficient pallet handling without repeatedly repositioning the truck, making it ideal for modern warehouse operations.



Safety and Stability Assurance

The CQD18S2 features a flexible linkage suspension system that connects the drive and balance wheels, ensuring smoother movement and more stable turns.

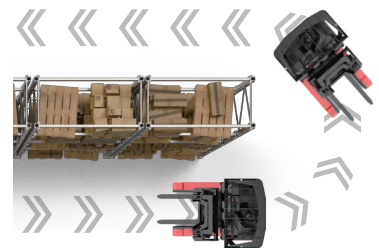
The electric power steering delivers effortless maneuvering with right road feedback and the turn speed control automatically slow down the truck when cornering, which ensures driver's control and safety even in tight spaces.



Flexible Linkage Suspension System



Electric power steering



Turn speed control

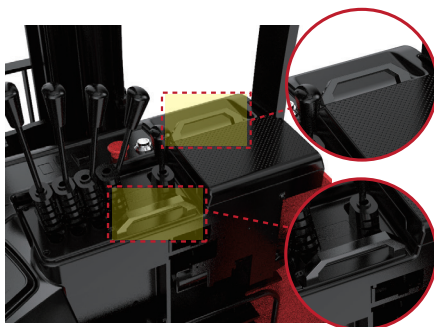
FEATURE

■ Ergonomic Design for Comfort and Control

The open cabin design with semi-surrounding protection ensures easy access in and out. The spacious operator area, paired with a soft backrest, provides full comfort during operation. The two ergonomically-positioned assist grips ensure operator stability even during acceleration, enhancing focus and precise control. Additionally, the overhead guard and mast crossbeam are angled, with integrated hoses and chains alignment replacing lateral hard pipes. It expands the field of view by 35% compared to the CQD15S and offer improved visibility for both safety and productivity.



Easy access in and out



Two ergonomically-positioned assist grips



35% improvement of visibility

■ Easy Maintenance and Energy Saving

The battery is connected to the mast using a hook-and-link mechanism, allowing easy mast-assisted extraction for quick maintenance or replacement. The regenerative braking system recovers energy during operation, storing it back into the battery to extend its runtime.



■ Cold Storage Option

For operations in low-temperature environments, the CQD18S2 offers cold storage option. Featuring cold-optimized structure and components, it ensures reliable performance even in freezing conditions.

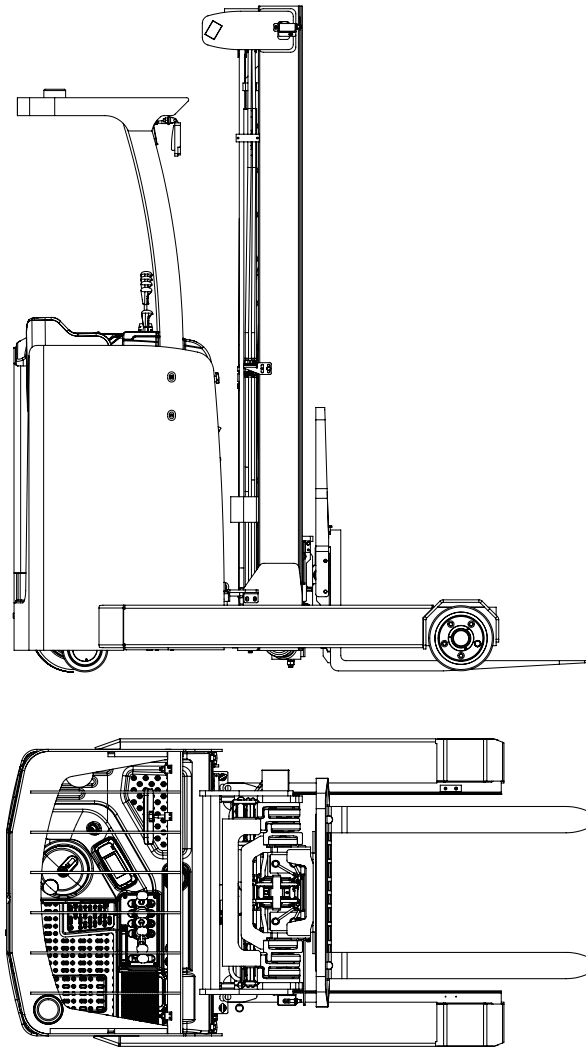


Electric Stand-up Reach Truck 1800kg

CQD18S2

Distinguishing mark	1.1	Manufacturer			EP
	1.2	Model designation			CQD18S2
	1.3	Drive unit			Electric
	1.4	Operator type			Standing
	1.5	Load capacity	Q	kg	1800
	1.6	Load center distance	c	mm	500
	1.8	Load distance, centre of drive axle to fork	x	mm	200
	1.9	Wheelbase	y	mm	1515
	2.1	Service weight		kg	2380
Weight	2.3.1	Axle loading, unladen front wheels / drive steering wheels		kg	790/1590
	2.4.1	Axle loading, fork advanced, laden front/ rear		kg	3750/430
	2.5.1	Axle loading, fork retracted, laden front/ rear		kg	2620/1560
Types/Chassis	3.1	Tyre type			Polyurethane/Solid rubber
	3.2	Tyre size, front wheels (diameter×width)		mm	Φ254×114
	3.3	Tyre size, rear		mm	Φ330×140
	3.4	Additional wheels (castor wheels)		mm	Φ178×73
	3.5	Wheels, number front/drive steering(x=drive steering wheels)		mm	1x/2
	3.6	Tread, front wheels	b10	mm	610
	3.7	Tread, rear	b11	mm	980
Dimensions	4.1	Tilt of mast/ fork carriage forward/ backward	α/β	°	2/4
	4.2	Retracted mast height	h1	mm	1995
	4.3	Free lift	h2	mm	410
	4.4	Lift height	h3	mm	3000
	4.5	Height, mast extended	h4	mm	4030
	4.7	Height of overhead guard(cabin)	h6	mm	2240
	4.8	Seat height/standing height	h7	mm	275
	4.10	Height of wheel arms	h8	mm	275
	4.19	Overall length	l1	mm	2200
	4.20	Length to face of forks	l2	mm	1155
	4.21	Overall width	b1/b2	mm	1090/1090
	4.22	Fork dimensions	s/e/l	mm	40/100/920
	4.23	A, B Fork carriage class/ type A, B			2A
	4.24	Fork carriage width	b3	mm	870
	4.25	Distance between fork-arms	b5	mm	250--730
	4.26	Distance between wheel arms/ loading surface	b4	mm	750
	4.28	Reach distance	l4	mm	760
	4.31	Ground clearance, laden, below mast	m1	mm	80
	4.32	Ground clearance, center of wheelbase	m2	mm	80
	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2710
	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2714
Performance data	4.35	Turning radius	Wa	mm	1760
	4.37	Length across wheel arms	l7	mm	1892
	5.1	Travel speed, laden/ unladen		km/ h	9.5/10.5
	5.2	Lifting speed, laden/ unladen		m/s	0.30/0.50
	5.3	Lowering speed, laden/ unladen		m/s	0.54/0.50
	5.4	Reaching speed, laden/ unladen		m/s	0.2/0.22
	5.8	Max. gradeability, laden/unladen		%	10/14
Electric-engine	5.10	Service brake type			Mechanical
	5.11	Parking brake			Mechanical
	6.1	Drive motor rating S2 60 min		kW	4.3
	6.2	Lift motor rating at S3 15%		kW	9
	6.4	Battery voltage/nominal capacity		V/Ah	48/300
Addition data	6.5	Battery weight		kg	495
	8.1	Type of drive unit			AC
	10.5	Steering type			Electric power steering
	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.



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-Free Mast	2500	1745	3025	3530	410	410
	2700	1845	3225	3730	410	410
	3000	1995	3525	4030	410	410
	3300	2145	3825	4330	410	410
	3500	2245	4025	4530	410	410
	3700	2345	4225	4730	410	410
	4000	2495	4525	5030	410	410
	4300	2745	4925	5430	410	410
	4500	2845	5125	5630	410	410
	4700	2945	5325	5830	410	410
	5000	3095	5625	6130	410	410
3-Free Mast	4000	1895	4565	5030	1388	910
	4500	2065	5065	5530	1558	1080
	5000	2245	5565	6030	1738	1260
	5500	2410	6065	6530	1898	1420
	6000	2595	6565	7030	2088	1610
	6500	2760	7065	7530	2248	1770
	7000	2945	7565	8030	2438	1960
	7500	3115	8065	8530	2608	2130

Option

Optional items	CQD18S2
Fork dimension	○No ○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
Reach lift truck Leg width	●750mm
Fork carriage width	●730mm
Load backrest height	●990mm
Load wheel type	●Single
Load wheel material	●PU
Drive wheel material	●Solid rubber
Battery capacity	○No○48V/300Ah Lead-acid○48V/375Ah Lead-acid
Charger	○48V-40A External○48V-50A External○No
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
Buzzer	●Yes and not customized
Camera	●No○Yes and not customized
Fire extinguisher	●No○Yes and not customized
OPS system	●Yes and not customized
Telematics	●Yes and not customized
Turn speed control	●Yes and not customized
Operator identification device	●No○Card reader
Battery side pull function	●No○Yes and not customized
Cold storage	●No○Yes and not customized
Forks tilt forward and backward	●Yes and not customized
Overhead guard	●Yes○Driver-in
Hydraulic operating system	●Mechanical lever
Battery side pull attachment	●No○Yes and not customized
Note: ●Standard ○ Optional - Inconformity	