



CQD15SD

Standing Electric Deep Reach Truck 1500kg

- Scissor forks suitable for deep racking system
- Enhanced mast with the elevation high up to 11.5m and full carrying capacity at 8.15m
- Proportional lifting system, 1080P camera (option) and height indicator for utmost precision
- Both lead-acid and Li-ion battery options fulfilling different needs
- User-centred design of integrated handle



Manufacturer			COSMEC
Model designation			CQD15SD
Drive unit			Electric
Load center distance	c	mm	600
Service weight		kg	4490①
Lift height	h3	mm	8500②
Height, mast extended	h4	mm	9540③
Length to face of forks	l2	mm	1717
Overall width	b1/b2	mm	1078/1148
Fork dimensions	s/e/l	mm	40/100/1070
Reach distance	l4	mm	1067
turning radius	Wa	mm	1945
Travel speed, laden/unladen		km/ h	11/12
Lifting speed, laden/unladen		m/s	0.45/0.5
Lowering speed, laden/unladen		m/s	0.5/0.5
Max. gradeability, laden/unladen		%	10/12
Battery voltage/nominal capacity		V/Ah	48/600

MATERIALHANDLINGEQUIPMENT

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■ Scissor forks suitable for deep racking system

Featuring scissor forks, the CQD15SD enables space saving and better utilization of tight warehouses by reaching goods in deep racks. This significantly makes your operation more efficient and increases storage density. Thanks to its efficient cooling system, the CQD15SD delivers no compromise on performance even in prolonged, intensive application scenarios.



■ Enhanced mast with the elevation up to 11.5m

The enhanced mast bolsters the stability of the CQD15SD, with the maximum reach height up to 11.5 meters, and perform full carrying capacity up to 8.15 meters with optimal stability. This positions the CQD15SD as a top performer in the same category for high-level stacking applications.



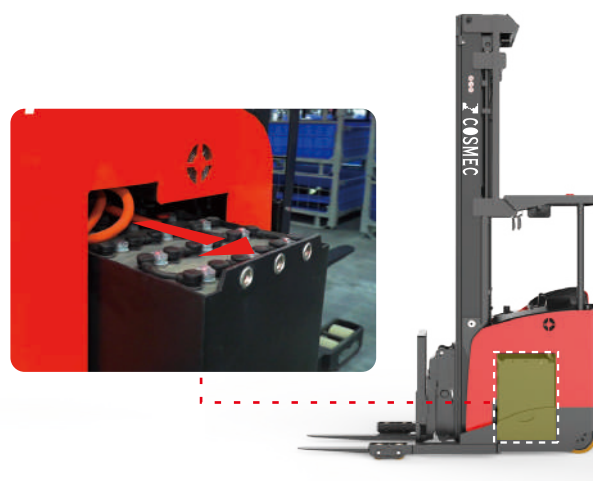
■ Multifunctional control handle and height indicator for utmost precision

The CQD15SD features height selection and a multifunctional control handle, including proportional lifting, fork movements, mast tilting, and side shifting. This enables more convenient, precise and gentle operation with stepless speed regulation. Additionally, the optional 1080P camera positioned at the fork side provides clear real-time surveillance, further improving visibility and safety for operators.



■ Both lead-acid and Li-ion battery options fulfilling different needs

The CQD15SD is equipped with a Lead-acid 48V600AH as standard and Li-ion battery options are available to meet diverse needs. Besides, the battery can be pulled out sideways for effortless lateral replacement. This makes it an ideal choice even in rugged environments with limited charging infrastructure and also offers ease of maintenance.

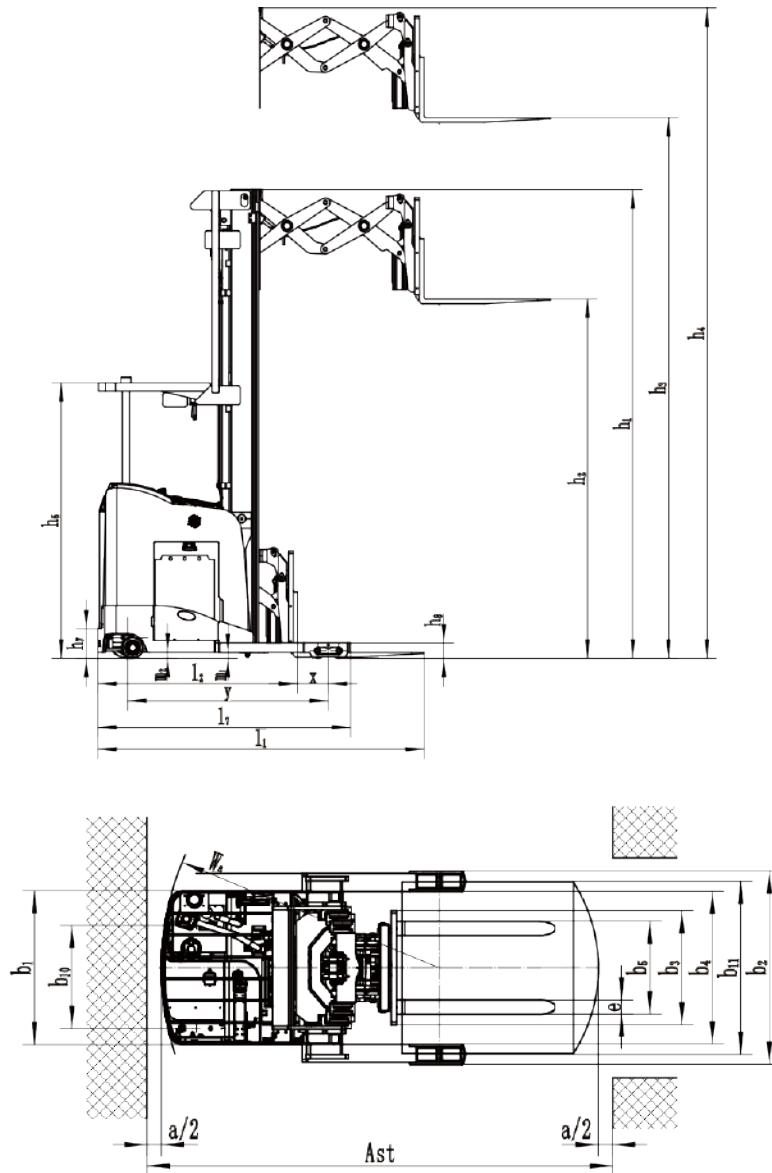


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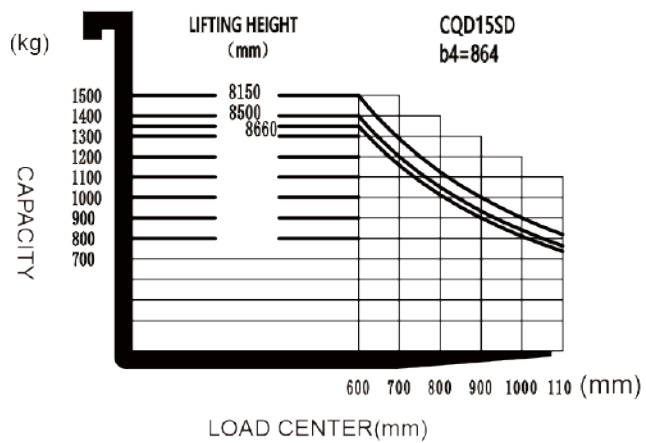
CQD15SD

Distinguishing mark	1.1	Manufacturer			COSMEC
	1.2	Model designation			CQD15SD
	1.3	Drive unit			Electric
	1.4	Operator type			Standing
	1.5	rated capacity	Q	kg	1500
	1.6	Load center distance	c	mm	600
	1.8	Load distance, centre of drive axle to fork	x	mm	215
	1.9	Wheelbase	y	mm	1700
Service weight	2.1	Service weight		kg	4490①
	2.3.1	Axle loading, unladen front/rear		kg	2590/1800
	2.4.1	Axle loading, fork advanced, laden front/rear		kg	1178/4712
	2.5.1	Axle loading, fork retracted, laden front/rear		kg	2297/3593
Tyres/chassis	3.1	Tyre type			Polyurethane
	3.2.1	Tyre size, front		mm	Φ343× 40
	3.3.1	Tyre size, rear		mm	Φ127× 98
	3.4	Additional wheels		mm	Φ178×73
	3.5.1	Wheels, number front/rear (x=drive wheels)		mm	1×, 2/4
	3.6.1	Tread, front	b10	mm	721.5
	3.7.1	Tread, rear	b11	mm	1006
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	°	2/4
	4.2	Height, mast lowered	h1	mm	3660②
	4.3	Free lift	h2	mm	2610②
	4.4	Lift height	h3	mm	8500②
	4.5	Height, mast extended	h4	mm	9540②
	4.7	Height of overhead/ guard cabin	h6	mm	2330
	4.8	Seat height/standing height	h7	mm	250
	4.1	Height of wheel arms	h8	mm	130
	4.19	Overall length	l1	mm	2790
	4.2	Length to face of forks	l2	mm	1717
	4.21	Overall width	b1/b2	mm	1078/1148
	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	800
	4.25	Distance between fork-arms	b5	mm	250-780
	4.26	Distance between wheel arms/loading surfaces	b4	mm	864
	4.28	Reach distance	l4	mm	1067
	4.31	Ground clearance, laden, below mast	m1	mm	45
	4.32	Ground clearance, center of wheelbase	m2	mm	50
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	3125③
	4.34.2	Aisle width for pallets 800×1200 lengthways	Ast	mm	3195③
	4.35	turning radius	Wa	mm	1945
	4.37	Length across wheel arms	l7	mm	2130
Performance data	5.1	Travel speed, laden/unladen		km/ h	11/12
	5.2	Lifting speed, laden/unladen		m/s	0.45/0.5
	5.3	Lowering speed, laden/unladen		m/s	0.5/0.5
	5.4	Reaching speed, laden /unladen		m/s	0.2/0.23
	5.8	Max. gradeability, laden/unladen		%	10/12
	5.1	Service brake			Electromagnetic
Electric-engine	5.11	Parking brake			Electromagnetic
	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	48/600
	6.5	Battery weight		kg	900
Addition data	8.1	Type of drive unit			AC
	10.5	Steering design			Electronic
	10.7	ound pressure level at the driver's ear		dB(A)	75
	15.1	Charger output current		A	80

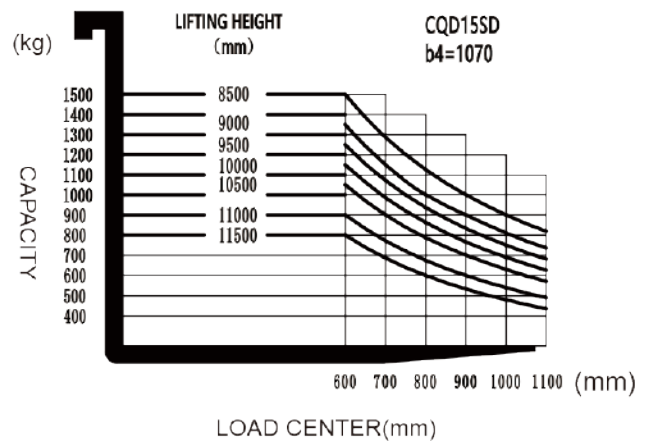
If there are improvements of technical parameters or configurations, no further notice will be given.
The diagram shown may contain non-standard configurations.



RATED CAPACITIES GRAPH



RATED CAPACITIES GRAPH



Mast Option

①Service weight (include battery)

No.	Mast type	lift height (h3)	service weight (kg)
1	3-Free mast	6500	4290
2		6860	4325
3		7000	4340
4		7500	4390
5		7600	4400
6		8000	4440
7		8150	4455
8		8500	4490
9		8660	4205
10		9000	4540
11		9300	4570
12		9500	4590
13		10000	4640
14		10160	4655
15		10500	4690
16		10700	4710
17		11000	4740
18		11500	4790

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
3-Free Mast	6500	2965	7465	7465	1900	1900
	6860	3085	7825	7825	2020	2020
	7000	3130	7960	7960	2070	2070
	7500	3295	8260	8260	2240	2240
	7600	3330	8560	8560	2270	2270
	8000	3495	8955	8955	2440	2440
	8150	3545	9105	9105	2490	2490
	8500	3660	9450	9450	2610	2610
	8660	3715	9615	9615	2660	2660
	9000	3860	9950	9950	2810	2810
	9300	3965	10265	10265	2900	2900
	9500	4030	10460	10460	2970	2970
	10000	4230	10960	10960	3170	3170
	10160	4285	11125	11125	3220	3220
	10500	4395	11455	11455	3340	3340
	10700	4465	11665	11665	3400	3400
	11000	4630	11965	11965	3570	3570
	11500	4795	12465	12465	3740	3740

③Dimensions(mm)

		with side shift
overall length(minimum)	I1	2790
length to face of forks	I2	1720
reach distance	I4	1070
aisle width for pallet 1000x1200 crossways	Ast	3125
aisle width for pallet 800x1200 lengthways	Ast	3195
aisle width for pallet 1000x1200 lengthways	Ast	3240
aisle width for pallet 800x1200 crossways	Ast	2975

Option

Optional items	CQD15SD
Fork dimension	○No○1000*600、2A、100*40*920 ●1000*600、2A、100*40*1070 ○1000*600、2A、100*40*1150 ○1000*600、2A、100*40*1220 ○1000*600、2A、100*40*1370
Reach lift truck Leg width	○1070●864
Battery capacity	○No●600Ah○700Ah○405Ah-Li○560Ah-Li
Charger	●48V-80A-External○48V-100A-External ○48V-150A-Li External○48V-200A-LiExternal○No
Attachments	●Built-in sideshifter
Water auto-filling system	●No○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	●Yes and not customized
Height display	●Yes and not customized
Camera	●No○Yes and not customized
OPS system	●Yes and not customized
USB interface	●No○Yes and not customized
Telematics	●No○Yes and not customized
Speed reduction for elevated mast- Australian standard	●Yes and not customized
Operator identification device	●No○Swipe card device ○card and password combination device
Battery side pull function	●Yes and not customized
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
Battery side pull attachment	●No○Yes and not customized