



AUTHORISED XILIN DEALER, IRELAND

Xilin CQD25-D

Product brochure

Supplied, serviced and supported in Ireland by AWE Forklifts

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Manufacturer brochure follows. Contact AWE for a written quote, demo or on-site visit.

Counterbalanced Reach Truck



Model:
CQD25-D

Advantages:

HIGH EFFICIENCY AND FLEXIBILITY

- One-key start + password login , more convenient to start the truck .
- Electric power steering system(EPS).
- 180/360 degree steering mode.
- AC motor provides high driving speed (laden/unladen): 10.5/11 km per hour.
- 4-stage driving speed selection.
- Intelligently optimized turning speed control system: The system analyzes the tire angle, driving and steering direction, then automatically adjusts the speed to achieve maximum safety performance.
- Fork side camera system provides better view, avoids the problem of being blocked by the pallets while stacking.
- Luxurious cushion seat equipped with OPS function.
- Standard integral side shifter.

SAFETY AND STABILITY

- The mast adopts an offset design, optimizes the operator views.
- Height limit function, high speed limit function, turning speed limit function.
- The mast moving speed will be automatically reduce while reaching the end position.
- FULL AC control system with CAN communication technology.
- The service brake is operated by hydraulic brake and regenerative brake at the same time , with short braking distance.
- Automatic electromagnetic brake after parking.
- Seat with power-off switch while operator leave the seat.
- Standard: warning lights, headlights, rear view mirrors.
- Option: ACS function (when the mast is lifted and moved forward, it can reduce the truck vibration)

SERVICE ABILITY

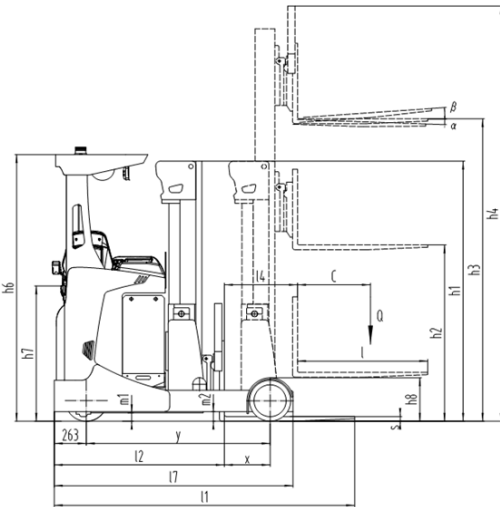
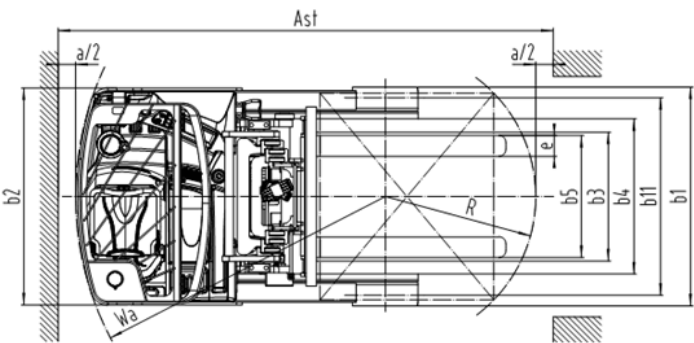
- One-piece upper cover with open design, convenient to maintain the controller, lifting pumps, hydraulic devices, drive motors and brake systems, etc.
- Sideway battery can be moved out with mast together, convenient to maintain/ replace the battery.
- All electric parts are integrated modular design, easy for installation/ maintenance.



NEW
2500KG

Features	1.2 Manufacturer's type designation		CQD25-D
	1.3 Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Electric
	1.4 Operator type: hand, pedestrian, standing, seated, order-picker		Seated
Weight	1.5 Rated capacity/rated load	Q (kg)	2500
	1.6 Load centre distance	c (mm)	600
	1.8 Load distance, centre of drive axle to fork	x (mm)	378
	1.9 Wheelbase	y (mm)	1650
	2.1 Service weight	kg	5830
	2.3 Axle loading, unladen front/rear	kg	2850/3180
	Axle loading, fork retracted, unladen front/rear	kg	2350/3750
	2.4 Axle loading, fork advanced, laden front/rear	kg	1150/6950
	2.5 Axle loading, fork retracted, laden front/rear	kg	2850/5330
Tyres	3.1 Tyres: solid rubber, superelastic, pneumatic, polyurethane		polyurethane
	3.2 Tyre size, front	mm	Φ343×140
	3.3 Tyre size, rear	mm	Φ343×140
	3.5 Wheels, number front/rear (× = driven wheels)		1x/2
	3.6 Tread, front	b10 (mm)	N/A
	3.7 Tread, rear	b11 (mm)	1195
	4.1 Tilt of mast/fork carriage forward/backward	a/b (°)	2/4
	4.2 Height, mast lowered	h1 (mm)	2240/2490/2740/2340/2740/3190/3390/3590/3890/4220/4520/4720/4820
	4.3 Free lift(with load-backrest)	h2 (mm)	0/0/0/1400/1800/2250/2450/2650/2950/3280/3580/3780/3880
	Free lift(without load-backrest)	h2(*) (mm)	0/0/0/1736/2136/2536/2736/2936/3236/3600/3900/4100/4200
	4.4 Lift height	h3 (mm)	3000/3500/4000/5000/6200/7400/8000/8600/9500/10200/11100/11700/12000
	4.5 Height, mast extended	h4 (mm)	3940/4440/4940/5940/7140/8340/8940/9540/10440/11140/12040/12640/12940
	4.7 Height of overhead guard (cabin)	h6 (mm)	2210
	4.8 Seat height relating to SIP/stand height	h7 (mm)	1116
	4.10 Height of wheel arms	h8 (mm)	360
	4.19 Overall length	l1 (mm)	2610
	4.20 Length to face of forks	l2 (mm)	1536
	4.21 Overall width	b1/b2 (mm)	1345/1260
	4.22 Fork dimensions DIN ISO 2331	s / e / l (mm)	45/125/1070
	4.23 Fork carriage ISO 2328, class/type A, B		2B
	4.24 Fork-carriage width	b3 (mm)	928
	4.25 Fork spread	b5 (mm)	330/688
	4.26 Distance between wheel arms/loading surfaces	b4 (mm)	900
	4.28 Reach distance	l4 (mm)	600
	4.31 Ground clearance, laden, below mast	m1 (mm)	70
	4.32 Ground clearance, centre of wheelbase	m2 (mm)	60
	4.34.1 Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2980
	4.34.2 Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	3025
	4.35 Turning radius	Wa (mm)	1920
	4.37 Length across wheel arms	l7 (mm)	2100
	5.1 Travel speed, laden/unladen	km/h	10/12
	5.2 Lift speed, laden/unladen	mm/s	350/580
	5.3 Lowering speed, laden/unladen	mm/s	450/450
	5.4 Reaching speed, laden/unladen	mm/s	120/120
	5.7 Gradeability, laden/unladen	%	10/11
	5.8 Max. gradeability, laden/unladen	%	10/11
	5.10 Service brake		Electromagnetic
	6.1 Drive motor rating S2 60 min	kW	6.5(AC)
	6.2 Lift motor rating at S3 15%	kW	15
	6.4 Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	48/840
	6.5 Battery weight	kg	1240
	10.1 operation pressure	bar	18
	10.7 Sound pressure level at the driver's seat	dB (A)	69.7

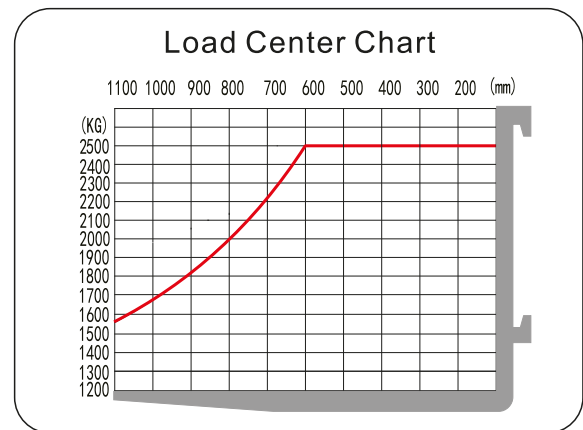
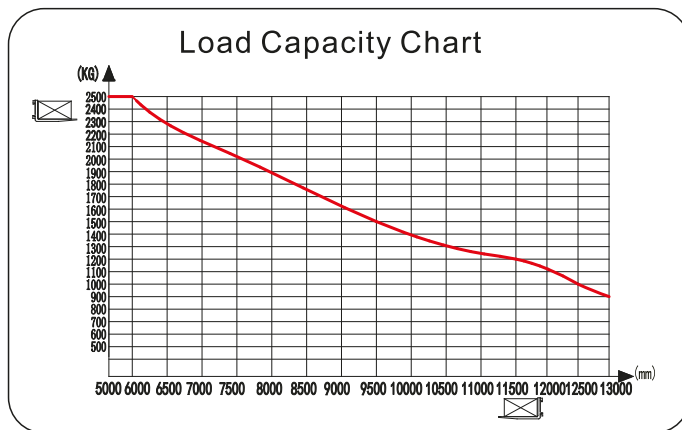
Option: 1) Camera
2) ASC
3) Lead-Acid Battery option : 48V/700AH , 48V/775AH , 48V/840AH , 48V/930AH
4) Lithium battery option : 48V /400AH , 48V /450AH , 48V /600AH , 48V/750AH , 48V/875AH



Counterbalanced Reach Truck

CQD25D Mast Table

Max Lifting Height	Height, mast lowered	Free lifting(with Load backrest)		Height, mast extended
h ₃ (mm)	h ₁ (mm)	h ₂ (mm)	h ₂ (mm)	h ₄ (mm)
3000	2240	0	0	3940
3500	2490	0	0	4440
4000	2740	0	0	4940
5000	2340	1400	1736	5940
5500	2480	1568	1904	6440
6200	2740	1800	2136	7140
7400	3190	2250	2536	8340
8000	3390	2450	2736	8940
8600	3590	2650	2936	9540
9500	3890	2950	3236	10440
10200	4220	3280	3600	11140
11100	4520	3580	3900	12040
11700	4720	3780	4100	12640
12000	4820	3880	4200	12940
12500	4990	4050	4368	13440
13000	5190	4250	4536	13940



Load Capacity chart (For STD ACID Battery 48V/700AH)

	LC=600mm	LC=685mm	LC=800mm	LC=900mm	LC=1000mm	LC=1050mm	LC=2050mm	LC=2050mm
Lift height (mm)	Residual Capacity (kg), with integral sideshift							
≤6000	2500	2063	2006	1826	1598	1343	1035	955
6200	2350	1927	1886	1716	1574	1454	844	789
7400	2050	1656	1645	1497	1373	1269	827	727
8000	1900	1520	1525	1387	1273	1176	767	617
8600	1750	1384	1404	1278	1172	1083	628	573
9500	1500	1158	1204	1095	1005	928	538	483
10200	1400	1067	1123	1022	938	805	579	499
10750	1350	1022	1083	986	904	532	545	445
11100	1250	1113	1003	913	837	774	517	437
11500	1200	1068	963	876	804	743	473	418
11700	1150	1024	923	840	770	712	413	358
12000	1100	979	883	803	737	681	395	340
12500	950	846	762	694	636	611	393	313
13000	850	757	682	621	569	547	305	250

CQD25D Load Capacity chart

Lead- acid	700 Ah	775 Ah	840 Ah	930 Ah
	1000kg	1090Kg	1250Kg	1350 Kg
	1215*420*751	1215*420*751	1215*500*751	1215*500*751
Lift height (mm)	Residual Capacity (kg), LC=600mm, with integral sideshift			
≤6000	2500	2500	2500	2500
6200	2250	2300	2350	2400
7400	1950	2000	2050	2100
8000	1800	1850	1900	1950
8600	1650	1700	1750	1800
9500	1400	1450	1500	1550
10200	1300	1350	1400	1450
10750	1250	1300	1350	1400
11100	1200	1200	1250	1300
11500	1100	1150	1200	1250
11700	1050	1100	1150	1200
12000	1000	1050	1100	1150
12500	850	900	950	1000
13000	750	800	850	900