

Ergonomic

- / State-of-the-art design makes a clear footwell with wellplaced pedals which give plenty of room for large feet space and help the driver's comfort working.
- / The simple, concise instrument panel minimizes confusion but gives the key warnings to operator.
- / Hydraulic levers can be mounted beside the battery or on the scuttle, giving easy access from either side. The conventional cabin layout makes the inexperienced operator work easily without time-consuming training.
- / Adjustable steering wheel and seat make the operator in comfortable working position.



Maneuverability

- / Drive to the rear steering wheel gives safe truck operation in confined spaces. The turning angle of rear wheel is upto 90 degree, compared with the same load capacity 4 pivot trucks, the turning radius is smaller about 400 to 450mm.
- / Driving speed is automatically reduction during cornering.



Reliability

- / AC motor is the simple brushless motor, less maintenance and better suitability for wet & explosive conditions.
- / Maintenance is easy and low-cost.

Side battery change

- / 24V battery is ideal for two or three shifts requirements, and side battery change is a perfect option to change the batteries quickly.



HANGCHA

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A series 3-pivot Rear Drive Electric Forklift

with capacities of 1,500kg

The World of Hangcha



HANGCHA

A series 3-pivot Rear Drive Electric Forklift

A series 1.5t rear-wheel driving three pivot electric forklift truck is very suitable for operating in limited space, with small turning radius, which is the ideal forklift truck in store, supermarket and warehouse, etc.

Standard specification

- / Solid tyre
- / Emergency disconnect switch
- / Full suspension seat
- / Drive, lift, steering controlled
- / Self-diagnose system
- / 2 spools valves
- / 3m wide view mast
- / Adjustable steering wheel
- / Multi-function LCD display and trucklighting system
- / Rear view mirror
- / Tool box
- / Side battery change



Options

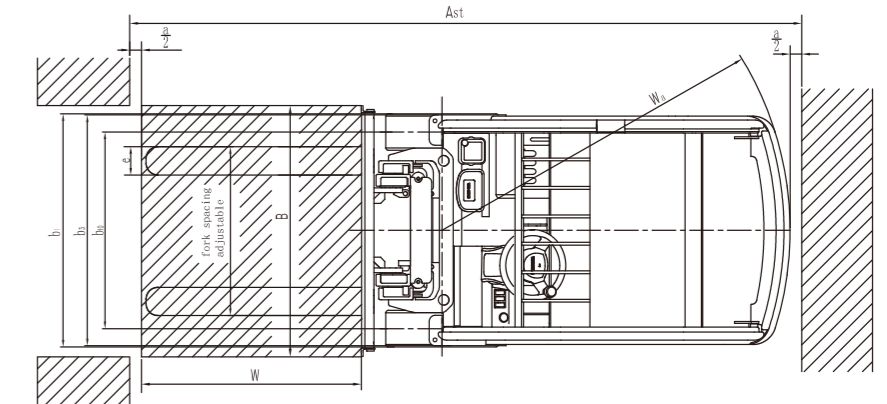
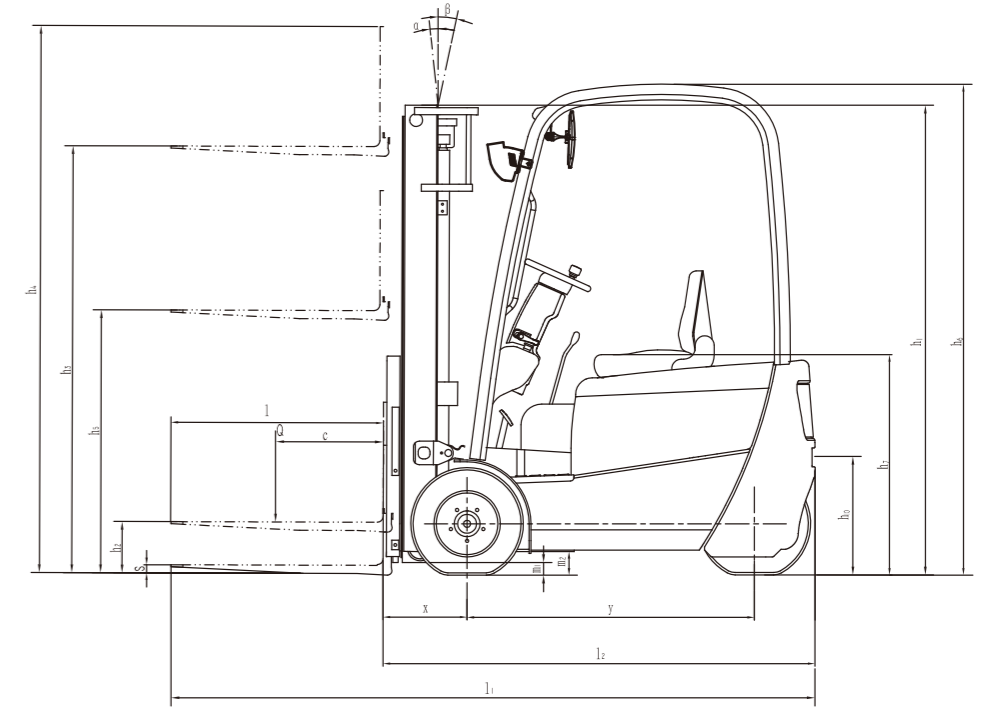
- / Drive wheel with Pneu tyres
- / 3 or 4 spools control valves
- / 4.3-6m full free triplex mast
- / 2.5-4.5m full free duplex mast
- / Different length forks
- / Attachments
- / Different load backrest

1.5t Three-wheel Forklift Specification

Distinguishing mark	1.1	Manufacturer	HANGCHA GROUP CO.,LTD.
	1.2	Manufacturer's model designation	CPD515-AHC2
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	Electric
Weight	1.4	Operator type: hand, pedestrian, standing, seated, order-picker	Seated
	1.5	Load capacity	Q /kg 1500
	1.6	Load centre distance	c /mm 500
Wheel & Tyres	1.8	Load distance , center of drive axle to fork	x /mm 365
	1.9	Wheelbase	y /mm 1220
	2.1	Service weight with battery	kg 3000
	2.2	Axle loading with load, front/rear	kg 3930/570
	2.3	Axle loading, unladen front/rear	kg 1370/1630
	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane	solid rubber
Dimensions	3.2	Tyre size - front	18x7-8
	3.3	Tyre size - rear	200/50-10
	3.5	Wheel, number operator/load side (x=drive)	2/1x
	3.6	Tread , front	b10/mm 835
	3.7	Tread , rear	b11/mm /
	4.1	Tilt of mast/fork carriage forward/backward	α/β(°) 6/5
	4.2	Height, mast lowered	h1/mm 1980
	4.3	Free lift	h2/mm 155
	4.4	Lift	h3/mm 3000
	4.5	Height, mast extended	h4/mm 3955
	4.7	Height of overhead guard (cabin)	h6/mm 2105
	4.8	Seat height/stand height	h7/mm 940
	4.12	Coupling height	h10/mm 500
	4.19	Overall length	l1/mm 2785
	4.20	Length to face of forks	l2/mm 1865
	4.21	Overall width	b1/mm 990
	4.22	Fork thickness	s/e/l mm 35/100/920
Performance	4.23	Fork carriage to DIN 15173 - class/form A or B	ISO II A
	4.24	Fork carriage width	b3/mm 1000
	4.31	Ground clearance, with load, below mast	m1/mm 100
	4.32	Ground clearance, centre of wheelbase	m2/mm 100
	4.33	Aisle width for pallets 1000 x 1200 crossways	Ast/mm 3160
	4.34	Aisle width for pallets 800 x 1200 lengthways	Ast/mm 3285
	4.35	Turning radius	wa/mm 1510
	5.1	Travel speed, laden/unladen	km/h 9/9.5
	5.2	Lift speed laden	m/s 0.220/0.330
	Motors	5.3	Lowering speed laden
5.6		Max. Drawbar pull, laden/unladen	N 6400/6300
5.7		Gradeability, laden/unladen	% 7/9
5.9		Acceleration time, laden/unladen (0-10m)	s 6.0/5.8
Other	5.10	Service brake	Hydraulic
	6.1	Drive motor rating S2 60min.	kw AC 4
	6.2	Lift motor rating S3 15%	kw AC 8.6
Meters	6.3	Battery equipment to DIN 43531/35/36 A, B, C, no	DIN 43535 A
	6.4	Battery voltage, nominal capacity(5h)	V/Ah 24/920
Other	6.5	Battery weight	kg 675
	6.6	Energy consumption acc. to VDI cycle	kwh/h 3.5
	9.1	Drive control	CURTIS AC
	10.1	Operating pressure for attachments	bar 145
	10.2	Oil volume for attachments	l/min 16
10.7	Sound pressure level at the driver's seat	dB(A) < 70	

1.5t Three-wheel Forklift Mast Specification

Type	Mast fork height	Overall height				Free lift		Tilting range		Load capacity at 500mm	
		Lowered		Extended		Extended		Forward	Backward	1.5t	
		mm	mm	With backrest	Without backrest	With backrest	Without backrest				(*)
Duplex mast	2700	1830	3655	3233	155	155	6	5	1500		
	3000	1980	3955	3533	155	155	6	5	1500		
	3300	2130	4255	3833	155	155	6	5	1500		
	3500	2230	4455	4033	155	155	6	5	1500		
	3600	2330	4555	4133	155	155	6	5	1500		
	4000	2580	4955	4533	155	155	3.5	5	1500		
	4300	2730	5255	4833	155	155	3.5	5	1400		
	4500	2830	5455	5033	155	155	3.5	5	1300		
Full free duplex mast	2500	1745	3445	3059	800	1186	6	5	1500		
	2700	1845	3645	3259	900	1286	6	5	1500		
	3000	1995	3945	3559	1050	1436	6	5	1500		
	3300	2145	4245	3859	1200	1586	6	5	1500		
	3500	2245	4445	4059	1300	1686	6	5	1500		
	3600	2295	4545	4159	1350	1736	6	5	1500		
	4000	2545	4945	4559	1600	1986	3.5	5	1500		
	4300	2745	5145	4759	1800	2186	3.5	5	1500		
Triplex full free mast	4500	2845	5245	4859	1900	2286	3.5	5	1400		
	4800	2995	5395	4959	2000	2386	3.5	5	1300		
	5000	3095	5495	5059	2100	2486	3.5	5	1200		
	5500	3345	5745	5309	2300	2686	3.5	5	1150		
	6000	3595	5995	5559	2500	2886	3.5	5	1050		
	6500	3845	6245	5809	2700	3086	3.5	5	950		
	7000	4095	6495	6059	2900	3286	3.5	5	850		
	7500	4345	6745	6309	3100	3486	3.5	5	750		



a=200 mm safety clearance
 $AST = a + Wa + \sqrt{(W+x)^2 + (B/2)^2}$

