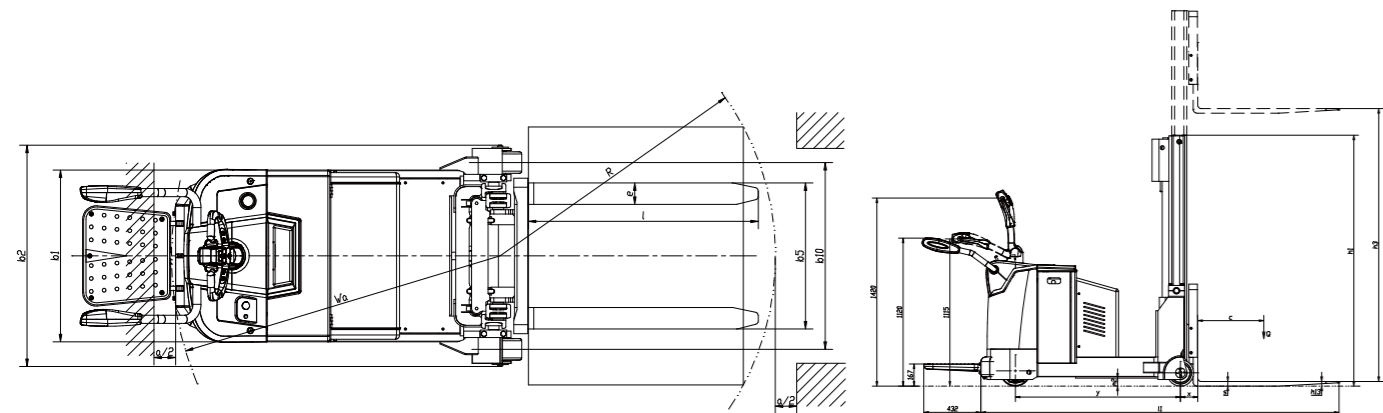


0.8t/1.2t/1.6t Mast specification

Type	Fork lift height		Max. fork height (h ₃ +h ₁₃)	Mast lowered h ₁	Mast extended h ₄	Free lift	Capacity load capacity at 500mm		
	h ₃						0.8t	1.2t	1.6t
	mm	mm					kg	kg	kg
Wide view mast	2000	1542	2035	1542	2542	0	800	1200	1600
	2500	2535	2535	1792	3042	0	800	1200	1600
	2700	2735	2735	1892	3242	0	800	1200	1600
	3000	3035	3035	2042	3542	0	800	1200	1600
	3300	3335	3335	2192	3842	0	800	1200	1600
	3500	3535	3535	2292	4042	0	800	1200	1600
	3600	3635	3635	2342	4142	0	700	1200	1600
	3700	3735	3735	2392	4242	0	680	1180	1540
	3800	3835	3835	2442	4342	0	660	1150	1480
	4000	4035	4035	2642	4642	0	620	1100	1400
Wide view full free duplex mast	2000	2035	2035	1595	2595	1035	800	1200	1600
	2500	2535	2535	1845	3095	1285	800	1200	1600
	2700	2735	2735	1945	3295	1385	800	1200	1600
	3000	3035	3035	2095	3595	1535	800	1200	1600
	3300	3335	3335	2245	3895	1685	800	1200	1600
	3500	3535	3535	2345	4095	1785	800	1200	1600
	3600	3635	3635	2395	4195	1835	700	1200	1600
	3700	3735	3735	2445	4295	1885	800	1200	1600
	3800	3835	3835	2495	4395	1935	680	1180	1540
	4000	4035	4035	2695	4695	2135	620	1100	1400
Wide view full free triplex mast	2000	2035	2035	1909	2909	1235	800	1200	1600
	2500	2535	2535	2109	3109	1435	800	1200	1600
	2700	2735	2735	2159	3159	1485	800	1200	1600
	3000	3035	3035	2259	3259	1585	800	1200	1600
	3300	3335	3335	2359	3359	1685	800	1200	1600
	3500	3535	3535	2459	3459	1785	800	1200	1600
	3600	3635	3635	2509	3509	1835	700	1200	1600
	3700	3735	3735	2559	3559	1885	680	1180	1540
	3800	3835	3835	2609	3609	1935	660	1150	1480
	4000	4035	4035	2809	3809	2135	620	1100	1400

2.0t Mast specification

Type	Fork lift height		Max. fork height (h ₃ +h ₁₃)	Mast lowered h ₁	Mast extended h ₄	Free lift	Capacity load capacity at 500mm	
	h ₃						2.0t	kg
	mm	mm					mm	mm
Wide view mast	2000	2045	2045	1647	3647	0	2000	2000
	2500	2045	2045	1897	3147	0	2000	2000
	2700	2545	2545	1997	3347	0	2000	2000
	3000	2745	2745	2147	3647	0	2000	2000
	3300	3045	3045	2297	3947	0	2000	2000
	3500	3345	3345	2397	4147	0	2000	2000
	3600	3545	3545	2447	4247	0	1950	1900
	3700	3645	3645	2497	4347	0	1900	1800
	3800	3745	3745	2547	4447	0	1840	1800
	4000	3845	3845	2747	4747	0	1800	1680
Wide view full free duplex mast	2000	2045	2045	1700	2700	1045	2000	2000
	2500	2545	2545	1950	3200	1295	2000	2000
	2700	2745	2745	2050	3400	1395	2000	2000
	3000	3045	3045	2200	3700	1545	2000	2000
	3300	3345	3345	2350	4000	1695	2000	2000
	3500	3545	3545	2450	4200	1795	2000	2000
	3600	3645	3645	2500	4300	1845	1950	1900
	3700	3745	3745	2599	4399	1944	1900	1800
	3800	3845	3845	2699	4499	2044	1800	1680
	4000	4045	4045	2899	4699	2244	1700	1600
Wide view full free triplex mast	2000	2035	2035	1944	2944	1175	2000	2000
	2500	2535	2535	2144	3144	1275	2000	2000
	2700	2735	2735	2194	3194	1325	2000	2000
	3000	3035	3035	2294	3294	1425	2000	2000
	3300	3335	3335	2394	3394	1525	2000	2000
	3500	3535	3535	2494	3494	1625	2000	2000
	3600	3635	3635	2544	3544	1675	1950	1900
	3700	3735	3735	2594	3594	1725	1900	1800
	3800	3835	3835	2644	3644	1775	1800	1680
	4000	4035	4035	2844	3844	1975	1700	1600



A Series Electric counterbalanced stacker

Distinguishing mark	HANGCHA GROUP CO.,LTD.						
	CDD08-AC1S-P	CDD12-AC1S-P	CDD16-AC1S-P	CDD20-AC1S-P			
1.1	Manufacturer						
1.2	Manufacturer's type designation						
1.4	standing	standing	standing	standing			
1.5	Q (kg)	800	1200	1600	2000		
1.6	c(mm)	500	500	500	500		
1.8	x(mm)	131	131	141	151		
1.9	y(mm)	1023	1150	1371	1571		
Weights	2.1	kg	1800	1950	2050	2126	
	Battery Weight	kg	215	250	300	300	
Wheels, Chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane					
	3.2	mm	Φ230×75	Φ230×75	Φ250×100	Φ250×100	
	3.3	mm	Φ200×100	Φ200×100	Φ200×100	Φ200×100	
	3.5	Wheels, number front / rear (x = driven wheels)					
	3.6	b ₁₀ (mm)	870	870	870	870	
	3.7	mm	870	870	870	870	
Dimensions	4.2	h ₁ (mm)	1900	1900	1900	1900	
	4.4	h ₃ (mm)	2700	2700	2700	2700	
	4.1.5	h ₁₃ (mm)	35	35	35	45	
	4.1.9	l ₁ (mm)	2485 ¹⁾	2612 ¹⁾	2822 ¹⁾	3032 ¹⁾	
	4.1.9	l ₁ (mm)	2917 ¹⁾	3044 ¹⁾	3254 ¹⁾	3464 ¹⁾	
	4.2.1	b ₁ (mm)	800/1030	800/1030	800/1030	800/1030	
	4.2.2	s/e/l (mm)	35/100/1070	35/100/1070	35/100/1070	45/100/1070	
	4.2.5	b _s (mm)	210-680	210-680	210-680	210-680	
	4.3.2	m ₂ (mm)	60	60	60	60	
	4.34.1	Ast (mm)	2683 ¹⁾	2810 ¹⁾	3019 ¹⁾	3228 ¹⁾	
	4.34.2	Ast (mm)	2793 ¹⁾	2920 ¹⁾	3129 ¹⁾	3339 ¹⁾	
	4.3.5	W _a (mm)	1303	1430	1630	1830	
	Performance Data	5.1	km/h	5.5/6.0	5.5/6.0	5.5/6.0	5.5/6.0
		5.2	m/s	0.160/0.235	0.145/0.220	0.135/0.230	0.110/0.180
5.3		m/s	0.200/0.200	0.200/0.200	0.200/0.200	0.200/0.200	
5.7		%	6/10	6/10	6/10	6/10	
6.1		kW	1.5	1.5	3	3	
E-Motor	6.2	kW	2.2	3.2	3.2	3.2	
		kW	0.4	0.4	0.4	0.4	
	6.4	V/Ah	24/240	24/280	24/350	24/350	
Others	8.1	V/Ah	24/280,24/340	24/340	24/400	24/400	
	8.1	Type of drive control	AC CURTIS	AC CURTIS	AC CURTIS	AC CURTIS	

Note: 1) Triplex mast +21mm



A Series Electric Counterbalanced Stacker

with capacities of 800 to 2,000kg



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The World of Hangcha



A Series Electric Counterbalanced Stacker

Is widely used in pallet stacking, wherever support arm stacker truck cannot operate close pallet and lower pallet. Applied the latest AC drive technology, advanced performance, comfort, safe, reliable, low maintenance cost, easy to operate, and economical to buy is the ideal solution for warehouses, supermarkets, workshop loading/unloading and handling pallets of cargos.

Environment/ Efficiency/ Economy

Appearance

- / A series electric counterbalanced stacker applied professional industrial design, stream lines, and compact, and fully ergonomic consideration, in line with the latest design trends.
- / Applied steel stamping and injection molding processes for front and back guard, which is robust, durable, and also environmental compliance.



High Performance

- / Electric power steering is standard specification, which provides flexible operation.
- / Pump motor controller offers proportional lifting/lowering, low noise, energy consumption reduced by 15%.
- / Powered by AC traction motor not only has good acceleration and climbing performance, but also low heat, brushless, maintenance-free.
- / Latest AC CURTIS control system, precise and smooth.
- / CAN-BUS connection enables all truck data can be read out for inspection, and also improves the data transition more quick and reliable.
- / Regenerative braking for battery recovery during travel speed reduction, anti-slope on gradient.
- / All key parts such as switches, connectors, battery indicator and hour meter all adopt the famous brand.

Comfort

- / The pedal applies shock absorption design, greatly improves the operator's comfort, reduce the fatigue.
- / The compact body and semicircular design provide an ideal operation in limited space, and the wedge designed chassis greatly increases the passing ability.

Reliability

- / 3-pivot with low centre of gravity design and high strength steel frame structure chassis provide high residual load capability and longer working life.
- / Imported waterproof connectors, all wires and cables are protected, greatly improve the reliability of the electric system.
- / Using non-contact proximity switch, improves safety and reliability.
- / Top quality hydraulic power unit applied to provide low noise, low vibration, smooth lifting and landing reliable operation.
- / H-type mast profile section is applied to provide stable lifting and high strength.
- / The power plug is fixed on the chassis to avoid damage during battery replacement.

Maintenance

- / AC motor without carbon brushes, maintenance-free, cost saving.
- / Integrated battery indicator, hour meter and self-diagnostic instrument.



Safety

- / Travel speed will be automatically reduced after fork lifting height over 500mm.
- / Automatic deceleration during turning.
- / Punch-formed handrails provide more safety to the operator.
- / Three braking system of regenerative braking, reverse current braking, and emergency braking, insures the safe operation.
- / Anti-slope on gradient can keep the safety.
- / The emergency button on the tiller head can effectively avoid the harm to the driver.
- / Soft landing system applied to protect loads from damaging when forks lowering to 100mm to ground.

Standard specification

- / AC drive motor
- / CURTIS controller
- / Electric power steering
- / 2.7m double cylinder duplex mast
- / Emergency switch
- / The proportional lift & lower control
- / 1070mm fork length
- / Side battery change
- / Multi-function battery indicator
- / PU load wheel
- / CAN bus technology
- / Soft landing system

Options

- / Mast lift height:
Duplex mast 2000-4500mm,
full free duplex mast: 2000-3600mm,
triplex mast 0.8t: 3500-5000mm,
1.2/1.6/2.0t: 3500-5500mm.
- / Mast tilting: Forward 2°/ Backward 6°
- / Different length of fork
- / Load backrest



Simple and beautiful tiller designed to improve the operator's driving comfort. Optimized designing structure to offer a good visibility and easy entrance to the pallet



Side battery change is standard specification



Fully opened hood, easy accessibility of all components, is easy for service



Mast tilting is the optional feature, offers proportional forward/backward speed