

WS Electric Pedestrian Stacker Specification

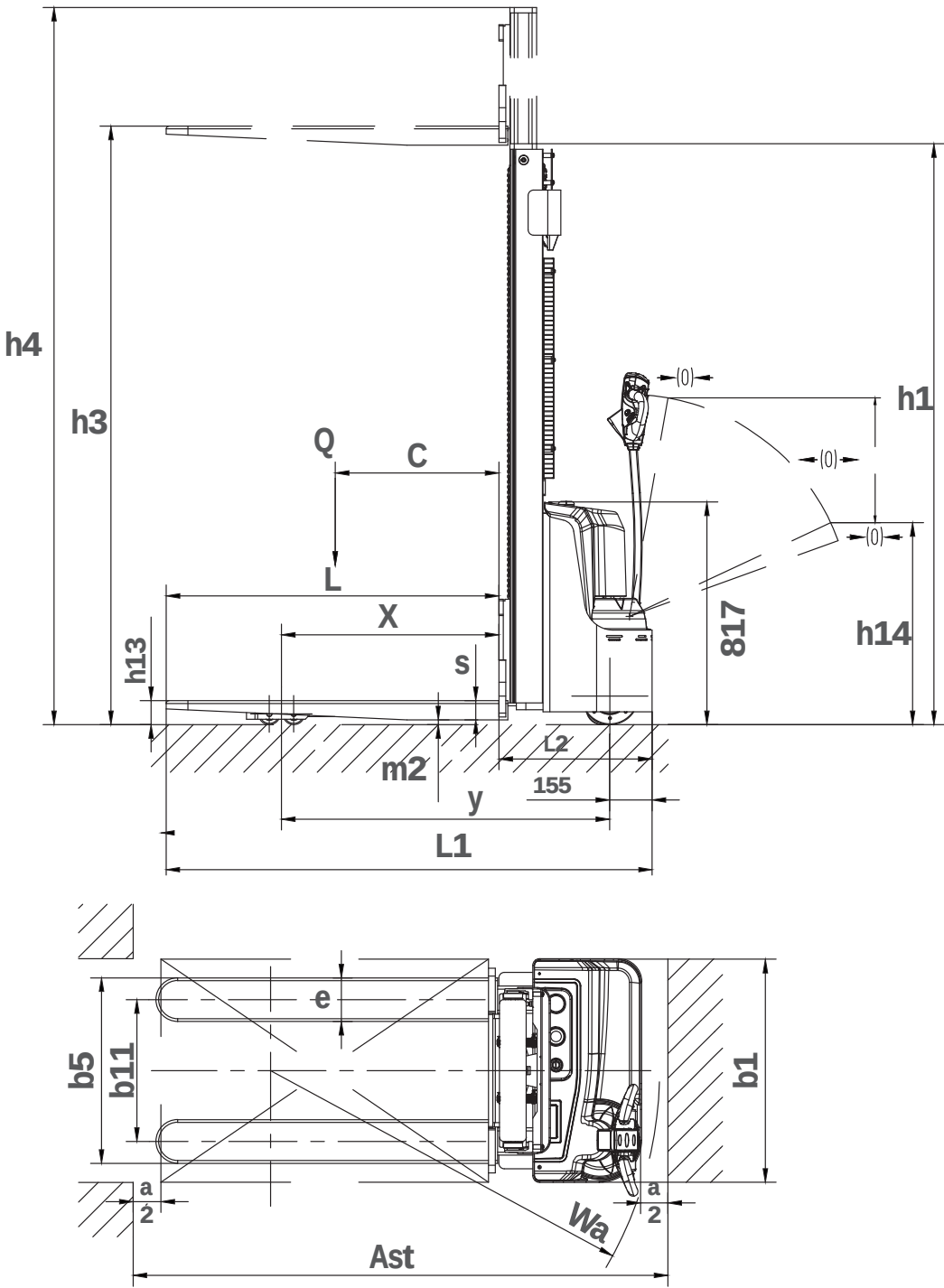
Distinguishing mark	1.1	Manufacturer			HANGCHA GROUP CO.,LTD.			
	1.2	Manufacturer's type designation			CDD15-WS	CDD15-WS-I	CDD12-WS	CDD12-WS-I
	1.3	Drive			Battery		Battery	
	1.4	Operator type			Pedestrian		Pedestrian	
	1.5	Load capacity / rated load	Q	kg	1500		1200	
	1.6	Load centre distance	c	mm	600		600	
	1.8	Load distance, centre of drive axle to fork	x	mm	800		800	
	1.9	Wheelbase	y	mm	1210		1210	
	1.9	Wheelbase	y	mm	1210		1210	
Weight	2.1	Service weight (without battery) (560 Fork size)		kg	529.4	529.4	528	528
	2.2	Service weight (with 71Ah battery or 60Ah Li-battery)		kg	576.2	543.4	574.8	542
	2.3	Service weight (with 89Ah battery)		kg	581	/	579.6	/
	2.4	Axle loading, laden front / rear		kg	608.8/1420.6	613/1430.4	518.4/1209.6	522.6/1219.4
	2.5	Axle loading, unladen front / rear		kg	432.2/144	407.4/136	431/143.8	406.5/135.5
Tyres, chassis	3.1	Wheels			Polyurethane		Polyurethane	
	3.2	Wheel size, front	Ø x width	mm	Ø210x70		Ø210x70	
	3.3	Wheel size, rear	Ø x width	mm	Ø80X70		Ø80X70	
	3.4	Additional wheels (dimensions)	Ø x width	mm	Ø115X55		Ø115X55	
	3.5	Wheels, number front / rear (x= driven wheels)			1x+ 1 / 4		1x+ 1 / 4	
	3.6	Tread, front	b10	mm	550		550	
	3.7	Tread, rear	b11	mm	390(560 fork width)/ 525(680 fork width)		390(560 fork width)/ 525(680 fork width)	
Dimensions	4.2	Lowered mast height	h1	mm	1730		1730	
	4.4	Lift height	h3	mm	2500		2500	
	4.5	Extended mast height	h4	mm	2935		2935	
	4.9	Height of tiller in driving position, min./ max.	h14	mm	910/1270		910/1270	
	4.15	Height, lowered	h13	mm	85±2		85±2	
	4.19	Overall length	l1	mm	1730(1150 fork length)/ 1800(1220 fork length)		1730(1150 fork length)/ 1800(1220 fork length)	
	4.20	Length to face of forks	l2	mm	560		560	
	4.21	Overall width	b1	mm	820		820	
	4.22	Fork dimensions	s/ e/ l	mm	70x160x1150(1220)		70x160x1150(1220)	
	4.25	Width over forks	b5	mm	560/ 680		560/ 680	
	4.32	Ground clearance, centre of wheelbase	m2	mm	30		30	
	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2268		2268	
	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2194		2194	
	4.35	Turning radius	Wa	mm	1425		1425	
Performance data	5.1	Travel speed, with/ without load		km/ h	4/ 4.5		4/ 4.5	
	5.2	Lift speed, with/ without load		mm/ s	0-102/ 0-190		0-123/ 0-230	
	5.3	Lowering speed, with/ without load		mm/ s	30-135/ 20-200		28-164/ 26-278	
	5.8	Max. gradeability, with/ without load		%	5/ 10		5/ 10	
	5.10	Service brake			Electromagnetic		Electromagnetic	
Electric- engine	6.1	Drive motor rating S2 60 min		kW	0.75		0.75	
	6.2	Lift motor rating at S3 15%		kW	2.5		2.5	
	6.4	Battery voltage/ nominal capacity (K5)	V/ Ah		● 12/71x2 ○ (12/ 89)x2	● 24V/ 60Ah ○ 24V/ 100Ah	● 12/71x2 ○ (12/ 89)x2	● 24V/ 60Ah ○ 24V/ 100Ah
	6.5	Battery weight +/- 5%	kg		● 23.4 x 2(71Ah) ○ 25.8 x 2(89Ah)	● 17(60Ah) ○ 24(100Ah)	● 23.4 x 2(71Ah) ○ 25.8 x 2(89Ah)	● 17(60Ah) ○ 24(100Ah)
	6.6	Charger	A		10	30	10	30
Addition Data	8.1	Type of drive control			DC speed control		DC speed control	
	8.4	Sound level at the driver's ear according to EN 12053		dB(A)	<75		<75	

Note: 1kgs=2.2lbs, 25.4mm=1inch
● standard ○ option

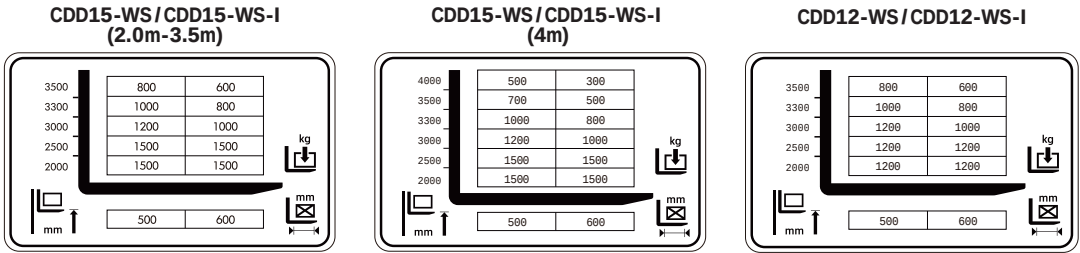
Mast Dimensions

Mast types	Lift height h3(mm)	Lowered mast height h1(mm)	Free lift height h2(mm)	Extended mast height h4(mm)
Duplex Mast	2000	1480	/	2435
	2500	1730	/	2935
	3000	1980	/	3435
	3300	2130	/	3735
	3500	2230	/	3935
	4000	2550	/	4370
2-Free Mast	2500	1710	1300	2917
	3000	1960	1550	3417
	3300	2110	1700	3717
	3500	2210	1800	3917

2-Free Mast: Only CDD12-WS and CDD12-WS-I are available; Suitable for heights of 2.5M and above only
4M Lift height : Only CDD15-WS and CDD15-WS-I are available



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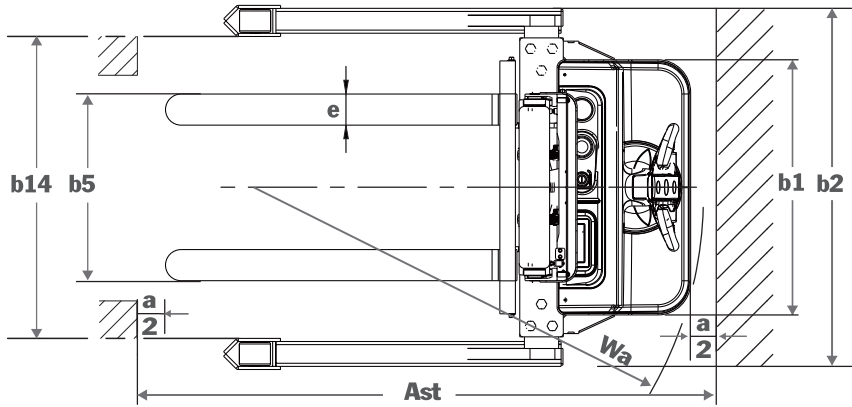
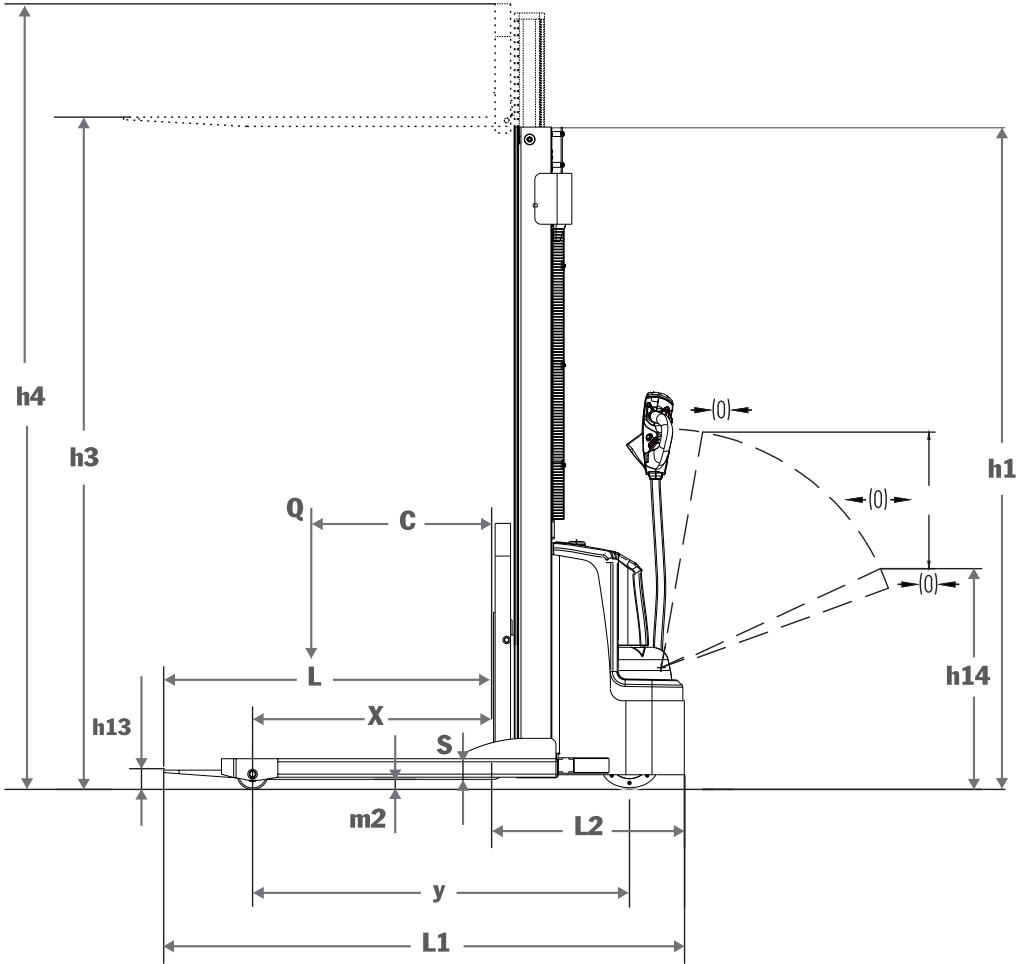
WS Electric Pedestrian Stacker Specification

Distinguishing mark	1.1	Manufacturer			HANGCHA GROUP CO., LTD.	
	1.2	Manufacturer's type designation			CTD15-WS	CTD15-WS-I
	1.3	Drive			Battery	Battery
	1.4	Operator type			Pedestrian	Pedestrian
	1.5	Load capacity / rated load	Q	kg	1500	1500
	1.6	Load centre distance	c	mm	600	600
	1.8	Load distance, centre of drive axle to fork	x	mm	768	768
	1.9	Wheelbase	y	mm	1218	1218
Weight	2.1	Service weight (without battery)		kg	635	635
	2.2	Service weight(with 71Ah battery or 60Ah Li-battery)		kg	681	652
	2.3	Service weight (with 89Ah battery)		kg	686	659
	2.4	Axle loading, laden front / rear		kg	645/1506	645/1506
	2.5	Axle loading, unladen front / rear		kg	488/163	488/163
Tyres, chassis	3.1	Wheels			Polyurethane	Polyurethane
	3.2	Wheel size, front	Ø x width	mm	Ø210x70	Ø210x70
	3.3	Wheel size, rear	Ø x width	mm	Ø100X64	Ø100X64
	3.5	Wheels, number front / rear (x = driven wheels)			1x + 0 / 2	1x + 0 / 2
	3.7	Tread, rear	b11	mm	1060 / 1200 / 1340	1060 / 1200 / 1340
Dimensions	4.2	Lowered mast height	h1	mm	2020	2020
	4.4	Lift height	h3	mm	3000	3000
	4.5	Extended mast height	h4	mm	3520	3520
	4.9	Height of tiller in driving position, min. / max.	h14	mm	910 / 1270	910 / 1270
	4.15	Height, lowered	h13	mm	60±2	60±2
	4.19	Overall length	l1	mm	1698	1698
	4.20	Length to face of forks	l2	mm	628	628
	4.21.1	Overall width across chassis	b1	mm	820	820
	4.21.2	Overall width across all / Outer width straddle	b2	mm	1150 / 1290 / 1430	1150 / 1290 / 1430
	4.21.5	Inner width straddle	b14	mm	970 / 1110 / 1250	970 / 1110 / 1250
	4.22	Fork dimensions	s / e / l	mm	40X100X1070(1150 / 1220)	40X100X1070(1150 / 1220)
	4.25	Width over forks	b5	mm	200-795	200-795
	4.32	Ground clearance, centre of wheelbase	m2	mm	40	40
	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2290	2290
	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2217	2217
	4.35	Turning radius	Wa	mm	1455	1455
Performance data	5.1	Travel speed, with / without load		km / h	4 / 4.5	4 / 4.5
	5.2	Lift speed, without load		mm / s	0-185	0-185
		Lift speed, with load		mm / s	0-101	0-101
	5.3	Lowering speed, without load		mm / s	22-208	22-208
		Lowering speed, with load		mm / s	26-137	26-137
	5.8	Max. gradeability, with / without load		%	5 / 10	5 / 10
	5.10	Service brake			Electromagnetic	Electromagnetic
Electric-engine	6.1	Drive motor rating S2 60 min		kW	0.75	0.75
	6.2	Lift motor rating at S3 15%		kW	2.5	2.5
	6.4	Battery voltage / nominal capacity K5	V / Ah		● 12 / 71 x 2 ○ (12 / 89) x 2	● 24V / 60Ah ○ 24V / 100Ah Li-battery
	6.5	Battery weight +/- 5%	kg		● 23.4 x 2(71Ah) / ○ 25.8 x 2(89Ah)	● 17(60Ah) ○ 24(100Ah)
	6.6	Charger	A		10	.30
Addition Data	8.1	Type of drive control			DC speed control	DC speed control
	8.4	Sound level at the driver's ear according to EN 12053		dB(A)	<75	<75

Note: 1kgs=2.2lbs, 25.4mm=1inch
● standard ○ option

Mast Dimensions

Mast types	Lift height h3(mm)	Lowered mast height h1(mm)	Free lift height h2(mm)	Extended mast height h4(mm)
Duplex Mast	2000	1520	/	2520
	2500	1770	/	3020
	3000	2020	/	3520
	3300	2170	/	3820
	3500	2270	/	4020



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