

A Series Pallet Stacker Truck Basic Range

with capacities of 1,200 to 1,600kg



TECHNICAL DATA

The World of Hangcha



A Series Pallet Stacker Truck Basic Range

Distinguishing mark	1.1	Manufacturer		HANGCHA GROUP CO.,LTD.											
	1.2	Manufacturer's type designation		CDD12-AEC1S	CDD12-AEC1	CDD14-AEC1S	CDD14-AEC1	CDD16-AEC1S	CDD16-AEC1	CTD12-AEC1S	CTD12-AEC1	CTD14-AEC1S	CTD14-AEC1	CTD16-AEC1S	CTD16-AEC1
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Standing	Pedestrian	Standing	Pedestrian	Standing	Pedestrian	Standing	Pedestrian	Standing	Pedestrian	Standing	Pedestrian
	1.5	Rated capacity/rated load	Q (kg/lb)	1200/2646	1200/2646	1400/3086	1400/3086	1600/3527	1600/3527	1200/2646	1200/2646	1400/3086	1400/3086	1600/3527	1600/3527
	1.6	Load centre distance	c (mm/in)	600/23.6	600/23.6	600/23.6	600/23.6	600/23.6	600/23.6	600/23.6	600/23.6	600/23.6	600/23.6	600/23.6	600/23.6
	1.9	Wheelbase	y (mm/in)	1378 ¹⁾ /54.3	1378 ¹⁾ /54.3	1378 ¹⁾ /54.3	1378 ¹⁾ /54.3	1378 ¹⁾ /54.3	1378 ¹⁾ /54.3	1378 ¹⁾ /54.3	1378 ¹⁾ /54.3	1378 ¹⁾ /54.3	1378 ¹⁾ /54.3	1378 ¹⁾ /54.3	1378 ¹⁾ /54.3
Weight	2.1	Service Weight	kg/lb	1030/2271	990/2183	1040/2293	1000/2205	1060/2337	1020/2249	1120/2469	1080/2381	1020/2249	1080/2381	1140/2513	1100/2425
Tyres, chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		PU	PU	PU	PU	PU	PU	PU	PU	PU	PU	PU	PU
	3.2	Tyre size, front	mm/in	φ250×80/9.8×3.1	φ250×80/9.8×3.1	φ250×80/9.8×3.1	φ250×80/9.8×3.1	φ250×80/9.8×3.1	φ250×80/9.8×3.1	φ250×80/9.8×3.1	φ250×80/9.8×3.1	φ250×80/9.8×3.1	φ250×80/9.8×3.1	φ250×80/9.8×3.1	φ250×80/9.8×3.1
	3.3	Tyre size, rear	mm/in	φ85×70/3.3x2.8	φ85×70/3.3x2.8	φ85×70/3.3x2.8	φ85×70/3.3x2.8	φ85×70/3.3x2.8	φ85×70/3.3x2.8	φ85×70/3.3x2.8	φ85×70/3.3x2.8	φ85×70/3.3x2.8	φ85×70/3.3x2.8	φ85×70/3.3x2.8	φ85×70/3.3x2.8
	3.4	Additional wheel (dimensions)	mm/in	φ125×50/4.9×2	φ125×50/4.9×2	φ125×50/4.9×2	φ125×50/4.9×2	φ125×50/4.9×2	φ125×50/4.9×2	φ125×50/4.9×2	φ125×50/4.9×2	φ125×50/4.9×2	φ125×50/4.9×2	φ125×50/4.9×2	φ125×50/4.9×2
	3.5	Wheels, number front / rear (x = driven wheels)		1x+2/4	1x+2/4	1x+2/4	1x+2/4	1x+2/4	1x+2/4	1x+2/4	1x+2/4	1x+2/4	1x+2/4	1x+2/4	1x+2/4
	3.6	Tread, front	b ₁₀ (mm/in)	620/24.4	620/24.4	620/24.4	620/24.4	620/24.4	620/24.4	620/24.4	620/24.4	620/24.4	620/24.4	620/24.4	620/24.4
	3.7	Tread, rear	b ₁₁ (mm/in)	385/15.2	385/15.2	385/15.2	385/15.2	385/15.2	385/15.2	1000/1170/1370(39.4/46.1/53.9)	1000/1170/1370(39.4/46.1/53.9)	1000/1170/1370(39.4/46.1/53.9)	1000/1170/1370(39.4/46.1/53.9)	1000/1170/1370(39.4/46.1/53.9)	1000/1170/1370(39.4/46.1/53.9)
	4.4	Lift	h ₁ (mm/in)	2700/106.3	2700/106.3	2700/106.3	2700/106.3	2700/106.3	2700/106.3	2700/106.3	2700/106.3	2700/106.3	2700/106.3	2700/106.3	2700/106.3
Dimensions	4.15	Fork height,lowered	h ₁₂ (mm/in)	90/3.5	90/3.5	90/3.5	90/3.5	90/3.5	90/3.5	50/2	50/2	50/2	50/2	50/2	50
	4.19	Overall length	l ₁ (mm/in)	2063 ²⁾ (2495 ²⁾ /81.2(98.2)	2013 ²⁾ /79.3	2063 ²⁾ (2495 ²⁾ /81.2(98.2)	2013 ²⁾ /79.3	2063 ²⁾ (2495 ²⁾ /81.2(98.2)	2013 ²⁾ /79.3	2013 ²⁾ (2445 ²⁾ /79.3(96.3)	1963 ²⁾ /77.3	2013 ²⁾ (2445 ²⁾ /79.3(96.3)	1963 ²⁾ /77.3	2013 ²⁾ (2445 ²⁾ /79.3(96.3)	1963 ²⁾ /77.3
	4.21	Overall width	b ₁ (mm/in)	860/33.9	860/33.9	860/33.9	860/33.9	860/33.9	860/33.9	1100/1270/1470(43.3/50/57.9)	1100/1270/1470(43.3/50/57.9)	1100/1270/1470(43.3/50/57.9)	1100/1270/1470(43.3/50/57.9)	1100/1270/1470(43.3/50/57.9)	1100/1270/1470(43.3/50/57.9)
	4.22	Fork dimensions ISO 2331	s/e/l (mm/in)	60x185x1150(2.4x7.3x45.3)	60x185x1150(2.4x7.3x45.3)	60x185x1150(2.4x7.3x45.3)	60x185x1150(2.4x7.3x45.3)	60x185x1150(2.4x7.3x45.3)	60x185x1150(2.4x7.3x45.3)	35x100x1070(1.4x3.9x42.1)	35x100x1070(1.4x3.9x42.1)	35x100x1070(1.4x3.9x42.1)	35x100x1070(1.4x3.9x42.1)	35x100x1070(1.4x3.9x42.1)	35x100x1070(1.4x3.9x42.1)
	4.25	Distance between fork-arms	b ₅ (mm/in)	570/680(22.4/26.8)	570/680(22.4/26.8)	570/680(22.4/26.8)	570/680(22.4/26.8)	570/680(22.4/26.8)	570/680(22.4/26.8)	210-790/8.3-31.1	210-790/8.3-31.1	210-790/8.3-31.1	210-790/8.3-31.1	210-790/8.3-31.1	210-790/8.3-31.1
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm/in)	30/1.2	30/1.2	30/1.2	30/1.2	30/1.2	30/1.2	40/1.6	40/1.6	40/1.6	40/1.6	40/1.6	40/1.6
	4.34.1	Aisle width for pallets 1000 x 1200 crossways	A _{st} (mm/in)	2280 ²⁾ /89.8	2220 ²⁾ /87.4	2280 ²⁾ /89.8	2220 ²⁾ /87.4	2280 ²⁾ /89.8	2220 ²⁾ /87.4	2310 ²⁾ /90.9	2250 ²⁾ /88.6	2310 ²⁾ /90.9	2250 ²⁾ /88.6	2310 ²⁾ /90.9	2250 ²⁾ /88.6
	4.34.2	Aisle width for pallets 800 x 1200 lengthways	A _{st} (mm/in)	2330 ²⁾ /91.7	2270 ²⁾ /89.4	2330 ²⁾ /91.7	2270 ²⁾ /89.4	2330 ²⁾ /91.7	2270 ²⁾ /89.4	2360 ²⁾ /92.9	2300 ²⁾ /90.6	2360 ²⁾ /92.9	2300 ²⁾ /90.6	2360 ²⁾ /92.9	2300 ²⁾ /90.6
	4.35	Turning radius	W _a (mm)	1630 ¹⁾ /64.2	1570 ¹⁾ /61.8	1630 ¹⁾ /64.2	1570 ¹⁾ /61.8	1630 ¹⁾ /64.2	1570 ¹⁾ /61.8	1630 ¹⁾ /64.2	1570 ¹⁾ /61.8	1630 ¹⁾ /64.2	1570 ¹⁾ /61.8	1630 ¹⁾ /64.2	1570 ¹⁾ /61.8
	5.1	Travel speed,laden/unladen	km/h(mph)	5/5(3.1/3.1)	5/5(3.1/3.1)	5/5(3.1/3.1)	5/5(3.1/3.1)	5/5(3.1/3.1)	5/5(3.1/3.1)	5/5(3.1/3.1)	5/5(3.1/3.1)	5/5(3.1/3.1)	5/5(3.1/3.1)	5/5(3.1/3.1)	5/5(3.1/3.1)
Performance data	5.2	Lift speed,laden/unladen	m/s(ft/min)	0.100/0.160(19.7/31.5)	0.100/0.160(19.7/31.5)	0.100/0.160(19.7/31.5)	0.100/0.160(19.7/31.5)	0.120/0.180(23.6/35.4)	0.120/0.180(23.6/35.4)	0.100/0.160(19.7/31.5)	0.100/0.160(19.7/31.5)	0.100/0.160(19.7/31.5)	0.100/0.160(19.7/31.5)	0.120/0.180(23.6/35.4)	0.120/0.180(23.6/35.4)
	5.3	Lowering speed,laden/unladen	m/s(ft/min)	0.130/0.140(25.6/27.5)	0.130/0.140(25.6/27.5)	0.130/0.140(25.6/27.5)	0.130/0.140(25.6/27.5)	0.140/0.150(27.5/29.5)	0.140/0.150(27.5/29.5)	0.130/0.140(25.6/27.5)	0.130/0.140(25.6/27.5)	0.130/0.140(25.6/27.5)	0.130/0.140(25.6/27.5)	0.140/0.150(27.5/29.5)	0.140/0.150(27.5/29.5)
	5.8	Max Gradeability,laden/unladen	%	6/10	6/10	6/10	6/10	6/10	6/10	6/10	6/10	6/10	6/10	6/10	6/10
	5.10	Service brake		Eletromagnetic	Eletromagnetic	Eletromagnetic	Eletromagnetic	Eletromagnetic	Eletromagnetic	Eletromagnetic	Eletromagnetic	Eletromagnetic	Eletromagnetic	Eletromagnetic	Eletromagnetic
Electric engine	6.1	Drive motor rating S2 60 min	kw/hp	1.1/1.5	1.1/1.5	1.1/1.5	1.1/1.5	1.1/1.5	1.1/1.5	1.1/1.5	1.1/1.5	1.1/1.5	1.1/1.5	1.1/1.5	1.1/1.5
	6.2	Lift motor rating at S3 15%	kw/hp	2.2/3.0	2.2/3.0	2.2(3 ¹⁾ /3(4)	2.2(3 ¹⁾ /3(4)	3/4	3/4	2.2/3.0	2.2/3.0	2.2(3 ¹⁾ /3(4)	2.2(3 ¹⁾ /3(4)	3/4	3/4
	6.4	Battery voltage,rated capacity	V/Ah	24/210	24/210	24/210	24/210	24/240	24/240	24/240	24/210	24/240	24/210	24/240	24/240
	8.1	Type of drive control		AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC
	9.1	Manufacturer		CURTIS	CURTIS	CURTIS	CURTIS	CURTIS	CURTIS	CURTIS	CURTIS	CURTIS	CURTIS	CURTIS	CURTIS

Note: 1)Mast with double lifting cylinders(including Triplex mast)+47mm(+1.9in) 2)Duplex mast with double lifting cylindrs+47mm and Triplex mast+68mm(+2.7in)

B: Straddle leg

1.2-1.6t Basic Range Pallet Stacker Truck Specification:

Mast Type	Max Lifting Height h ₃	Max. fork height (h ₃ +h ₁₃)	Lowered Height h ₁	Extended Height h ₄	Free lift	Load Capacity at 600mm/23.6in		
						1.2t kg/lb	1.4t kg/lb	1.6t kg/lb
Single cylinder duplex mast	2000/78.7	2090/82.3	1553/61.1	2553/100.5	90/3.5	1200/2646	1400/3086	1600/3527
	2500/98.4	2590/102.0	1803/71.0	3053/120.2	90/3.5	1200/2646	1400/3086	1600/3527
	2700/106.3	2790/109.8	1902/74.5	3253/128.1	90/3.5	1200/2646	1400/3086	1450/3197
	3000/118.1	3090/121.7	2053/80.8	3553/140.0	90/3.5	1200/2646	1250/2756	1300/2866
	3300/129.9	3390/133.5	2203/86.7	3853/151.2	90/3.5	1100/2425	1100/2425	1150/2535
	3500/137.8	3590/141.3	2388/94.0	4138/162.9	90/3.5	950/2094	950/2094	1000/2205
	3600/141.7	3690/145.3	2438/96.0	4238/166.9	90/3.5	950/2094	950/2094	1000/2205
Double cylinders Duplex wide view	2000/78.7	2090/82.3	1542/60.7	2542/100.1	90/3.5	1200/2646	1400/3086	1600/3527
	2500/98.4	2590/102.0	1792/70.6	3042/119.8	90/3.5	1200/2646	1400/3086	1600/3527
	2700/106.3	2790/109.8	1892/74.5	3242/127.6	90/3.5	1200/2646	1400/3086	1450/3197
	3000/118.1	3090/121.7	2042/80.4	3542/139.4	90/3.5	1200/2646	1250/2756	1300/2866
	3300/129.9	3390/133.5	2192/86.3	3842/151.3	90/3.5	1100/2425	1100/2425	1150/2535
	3500/137.8	3590/141.3	229290.2	4042/159.1	90/3.5	950/2094	950/2094	1000/2205
	3600/141.7	3690/145.3	2342/92.2	4142/163.1	90/3.5	950/2094	950/2094	1000/2205
	3800/149.6	3890/153.1	2442/96.1	4342/170.9	90/3.5	820/1808	820/1808	900/1984
	4000/157.5	4090/161.0	2642/104.0	4642/182.8	90/3.5	750/1653	750/1653	800/1764
	4300/169.3	4390/172.8	2792/109.9	4942/194.6	90/3.5	600/1323	600/1323	650/1433
Duplex full-free wide view	4500/177.2	4590/180.7	2892/113.9	5142/202.4	90/3.5	500/1102	500/1102	600/1323
	2000/78.7	2090/82.3	1595/62.8	2595/102.2	1090/42.9	1200/2646	1400/3086	1600/3527
	2500/98.4	2590/102.0	1845/72.6	3095/121.9	1340/52.8	1200/2646	1400/3086	1600/3527
	2700/106.3	2790/109.8	1945/76.6	3295/129.7	1440/56.7	1200/2646	1400/3086	1450/3197
	3000/118.1	3090/121.7	2095/82.5	3595/141.5	1590/62.6	1200/2646	1400/3086	1300/2866
	3300/129.9	3390/133.5	2245/88.4	3895/153.3	1740/68.5	1100/2425	1100/2425	1150/2535
	3500/137.8	3590/141.3	2345/92.3	4095/161.2	1840/72.4	950/2094	950/2094	1000/2205
	3600/141.7	3690/145.3	2395/94.3	4195/165.2	1890/74.4	950/2094	950/2094	1000/2205
	3500/137.8	3590/141.3	1844/72.6	4214/165.9	1220/48.0	950/2094	950/2094	1000/2205
	3600/141.7	3690/145.3	1909/75.2	4409/173.6	1290/50.8	950/2094	950/2094	1000/2205
Triplex full-free wide view	3800/149.6	3890/153.1	2009/79.1	4709/185.4	1390/54.7	820/1808	820/1808	900/1984
	4000/157.5	4090/161.0	2109/83.0	5009/197.2	1490/58.7	750/1653	750/1653	800/1764
	4300/169.3	4390/172.8	2159/85.0	5159/203.1	1590/62.6	600/1323	600/1323	650/1433
	4500/177.2	4590/180.7	2259/88.9	5459/214.9	1590/62.6	500/1102	500/1102	600/1323

Note:The mast which h3>4500mm(177.2in)(include 4500mm)only suitable for the pallet stacker (outside fork width b5≥680mm(26.8in)).



