



# A Series Pallet Stacker Mini Range (Double column) with capacities of 1,000 to 1,200kg

The A series mini range pallet stacker (double column) has been engineered to be both powerful and flexible to meet the requirements of many demanding applications. Whether it's supermarket work, delivery service, stock replenishment or heavy manu- facturing, it has the strength and durability to minimise your total cost of ownership.

## Appearance

- / A series mini range pallet stacker (double column) 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, which is robust, durable, and also environmental compliance.

## High Performance

- / Rated capacity 1000/1200kg, meet the needs of the majority of customers.
- / Powered by traction motor not only has good acceleration and perfect performance, but also low heat.
- / Latest CURTIS permanent magnet control system, precise and smooth.
- / Regenerative braking for battery recovery during travel speed reduction, anti-slope on gradient.
- / All key parts such as tiller, switches, connectors, battery indicator and hour meter all adopt the famous brand.

## Reliability

- / High strength steel frame structure chassis provide larger residual load capability and longer working life.
- / 4-pivot design provide reasonable load distribution, and the good wheel grip ensuring excellent stability.
- / Imported waterproof connectors, all wires and cables are protected, greatly improve the reliability of the electric system.
- / Top quality hydraulic power unit applied to provide low noise, low vibration, smooth lifting and landing reliable operation.
- / The hydraulic unit and the chassis adopt flexible connection, can absorb vibration from the uneven road.
- / Punch formed forks to provide more strength and tip guide to provide higher efficient operation.

## Comfort

- / Built-in charger and maintenance free gel battery adopted to provide convenient usage.
- / The compact body and semicircular design provide an ideal operation in limited space.



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



Optimized designing structure to offer a good visibility and easy entrance to the pallet



Built-in charger and maintenance free gel battery, you don't need to worry about them



Simple and beautiful tiller designed to improve the operator's driving comfort



## Safety

- / Three braking system of regenerative braking, reverse current braking, parking brake, 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 effectively.

## Maintenance

- / Integrated battery indicator, hour meter and self-diagnostic instrument.
- / All shafts installed lubricated shaft sleeve and oil cup, provide convenient maintenance and long service life.
- / Dismantle the additional wheel don't need to lift the truck.



## Standard Specification

- |                                      |                            |
|--------------------------------------|----------------------------|
| / Permanent magnet drive motor       | / 1150mm fork length       |
| / CURTIS permanent magnet controller | / 560mm outside fork width |
| / Hydraulic unit                     | / Tiller                   |
| / Emergency switch                   | / Horn                     |
| / Multi-function battery indicator   | / Maintenance free battery |
| / PU wheel                           | / Internal charger         |

## Options

- |                                |                                |
|--------------------------------|--------------------------------|
| / Mast lift height:2000-3600mm | / Cold store protection(-30 C) |
| / 1220/1400mm fork length      | / Load backrest                |
| / 680mm outside fork width     |                                |

### 1.0/1.2t Mini Range Pallet Stacker Double Column Specification:

Mast Type	Max Lifting Height h <sub>3</sub>	Max. fork height (h <sub>3</sub> +h <sub>13</sub> )	Lowered Height h <sub>1</sub>	Extended Height h <sub>4</sub>	Free lift mm/in	Load Capacity at 600mm/23.6in	
						1.0t/2205lb Kg/lb	1.2t/2646lb Kg/lb
Single cylinder duplex mast	2000/78.7	2085/2050 (82.1/80.7)	1545/60.8	2545/100.2	0	1000/2205	1200/2646
	2500/98.4	2585/2550 (101.8/100.4)	1795/70.7	3045/119.9	0	1000/2205	1200/2646
	2700/106.3	2785/2750 (109.6/108.3)	1895/74.6	3245/127.7	0	1000/2205	1200/2646
	3000/118.1	3085/3050 (121.5/120.1)	2045/80.5	3545/139.6	0	900/1984	900/1984
	3300/129.9	3385/3350 (133.3/131.9)	2195/86.4	3845/151.4	0	750/1654	750/1654
	3500/137.8	3585/3550 (141.1/139.8)	2295/90.4	4045/159.3	0	600/1323	600/1323
	3600/141.7	3685/3650 (145.1/143.7)	2345/92.3	4145/163.2	0	600/1323	600/1323

### A Series Pallet Stacker Mini Range-Double Column

Distinguishing mark	1.1	Manufacturer		HANGCHA GROUP CO.,LTD.			
	1.2	Manufacturer's type designation		CDD10-AMC1-SZ	CDD10-AMC1-B/SZ	CDD12-AMC1-SZ	CDD12-AMC1-B/SZ
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Pedestrian	Pedestrian	Pedestrian	Pedestrian
	1.5	Rated capacity/rated load	Q (kg/lb)	1000/2205	1000/2205	1200/2646	1200/2646
	1.6	Load centre distance	c (mm/in)	600/23.6	600/23.6	600/23.6	600/23.6
Weight	1.9	Wheelbase	y (mm/in)	1273/50.1	1273/50.1	1273/50.1	1273/50.1
	2.1	Service Weight(Including battery)	kg/lb	744/1640	744/1640	744/1640	744/1640
Tyres, chassis		Battery weight	kg/lb	66/146	66/146	66/146	66/146
	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		PU	PU	PU	PU
	3.2	Tyre size, front	mm/in	Φ250x80 / Φ9.8x3.1	Φ250x80 / Φ9.8x3.1	Φ250x80 / Φ9.8x3.1	Φ250x80 / Φ9.8x3.1
	3.3	Tyre size, rear	mm/in	Φ85x70 / Φ3.3x2.8	Φ85x70 / Φ3.3x2.8	Φ85x70 / Φ3.3x2.8	Φ85x70 / Φ3.3x2.8
	3.4	Additional wheel (dimensions)	mm/in	Φ125x50 / Φ4.9x2	Φ125x50 / Φ4.9x2	Φ125x50 / Φ4.9x2	Φ125x50 / Φ4.9x2
	3.5	Wheels, number front / rear (x = driven wheels)		1x+1/4	1x+1/4	1x+1/4	1x+1/4
	3.6	Tread, front	b <sub>10</sub> (mm/in)	520/20.5	520/20.5	520/20.5	520/20.5
Dimensions	3.7	Tread, rear	b <sub>11</sub> mm / (in)	390 / (15.4)	1000/1170/1370 (39.4/46.1/53.9)	390 / (15.4)	1000/1170/1370 (39.4/46.1/53.9)
	4.4	Lift	h <sub>3</sub> (mm/in)	3000/118.1	3000/118.1	3000/118.1	3000/118.1
	4.9	Height drawbar in driving position min./max.	h <sub>14</sub> mm / (in)	720/1220 (28.3/48)	720/1220 (28.3/48)	720/1220 (28.3/48)	720/1220 (28.3/48)
	4.15	Fork height,lowered	h <sub>13</sub> (mm/in)	90/3.5	50/2.0	90/3.5	50/2.0
	4.19	Overall length(folded pedal)	l <sub>1</sub> (mm/in)	1800/70.9	1836/72.3	1800/70.9	1836/72.3
	4.21	Overall width	b <sub>1</sub> mm / (in)	800 / (31.5)	1100/1270/1470 (43.3/50/57.9)	800 / (31.5)	1100/1270/1470 (43.3/50/57.9)
	4.22	Fork dimensions	s/e/l mm / (in)	60/170/1150 (2.4/6.7/45.3)	35/100/1070 (1.4/6.7/42.1)	60/170/1150 (2.4/6.7/45.3)	35/100/1070 (1.4/6.7/42.1)
	4.25	Distance between fork-arms	b <sub>5</sub> mm/in)	560/22	210-790 (8.3~31.1)	560/22	210-790 (8.3~31.1)
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm/in)	35/1.4	35/1.4	35/1.4	35/1.4
	4.34.1	Aisle width for pallets 1000 x 1200 crossways	A <sub>st</sub> (mm/in)	2016/79.4 <sup>1)</sup>	1901/74.8 <sup>3)</sup>	2016/79.4 <sup>1)</sup>	1901/74.8 <sup>3)</sup>
	4.34.2	Aisle width for pallets 800 x 1200 lengthways	A <sub>st</sub> (mm/in)	2066/81.3 <sup>2)</sup>	2101/82.7 <sup>4)</sup>	2066/81.3 <sup>2)</sup>	2101 <sup>4)</sup>
	4.35	Turning radius	W <sub>a</sub> (mm/in)	1466/57.7	1466/57.7	1466/57.7	1466/57.7
Performance data	5.1	Travel speed,laden/unladen	km/h (mph)	4.0/4.5 (2.5/2.8)	4.0/4.5 (2.5/2.8)	4.0/4.5 (2.5/2.8)	4.0/4.5 (2.5/2.8)
	5.2	Lift speed,laden/unladen	m/s (ft/min)	0.120/0.190 (23.62/37.40)	0.120/0.190 (23.62/37.40)	0.120/0.190 (23.62/37.40)	0.120/0.190 (23.62/37.40)
	5.3	Lowering speed,laden/unladen	m/s (ft/min)	0.140/0.150 (27.56/25.53)	0.140/0.150 (27.56/25.53)	0.140/0.150 (27.56/25.53)	0.140/0.150 (27.56/25.53)
	5.8	Max Gradeability,laden/unladen	%	6/10	6/10	5/10	5/10
Electric engine	6.1	Drive motor rating S2 60 min	kW/hp	0.7/0.94	0.7/0.94	0.7/0.94	0.7/0.94
	6.2	Lift motor rating at S3 15%	kW/hp	2.2/2.95	2.2/2.95	2.2/2.95	2.2/2.95
	6.4	Battery voltage,rated capacity	V/Ah	2x12/106	2x12/106	2x12/106	2x12/106
	8.1	Type of drive control		DC	DC	DC	DC
	9.1	Manufacturer		Curtis	Curtis	Curtis	Curtis

Note: 1). VDI 2198: +282/11.1mm/in 2). VDI 2198: +166/6.5mm/in 3). VDI 2198: +409/16.1mm/in 4). VDI 2198: +156/6.1mm/in

