



A Series Pallet Stacker Mini Range

with capacities of 2,500lbs

The World of Hangcha



A Series Mini Range Pallet Stacker

The A series mini range pallet stacker 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 manufacturing, it has the strength and durability to minimise your total cost of ownership.

Easy/ Efficiency/ Economy

Appearance

- / A series mini range pallet 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, which is robust, durable, and also environmental compliance.



High Performance

- / Rated capacity 2500lbs, 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.

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.

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.

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
- / CURTIS permanent magnet controller
- / Hydraulic unit
- / Emergency switch
- / Multi-function battery indicator
- / PU wheel
- / 45.3" fork length
- / Tiller
- / Horn
- / Maintenance free battery
- / Internal charger

Options

- / Mast lift height:78.7-141.7"
- / 48/55.1" fork length
- / 27" outside fork width
- / Cold store protection(-30 C)
- / Load backrest



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

A Series Pallet Stacker Mini Range

Distinguishing mark	1.1	Manufacturer	HANGCHA GROUP CO., LTD.	
	1.2	Manufacturer's type designation	CTD12-AMC1-SZ	
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker	Walkie	
	1.5	Rated capacity/rated load	Q (kg/lb)	1200/2500
	1.6	Load centre distance	c (mm/in)	600/24
	1.9	Wheelbase	y (mm/in)	1273/50.1
Weight	2.1	Service Weight(Including battery)	kg/lb	744/1640
		Battery weight	kg/lb	66/146
Tyres, chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane	PU	
	3.2	Tyre size, front	mm/in	Φ250x80 / Φ9.8x3.1
	3.3	Tyre size, rear	mm/in	Φ85x70 / Φ3.3x2.8
	3.4	Additional wheel (dimensions)	mm/in	Φ125x50 / Φ4.9x2
	3.5	Wheels, number front / rear (x = driven wheels)	1x+1/4	
	3.6	Tread, front	b ₁₀ (mm/in)	520/20.5
	3.7	Tread, rear	b ₁₁ mm / (in)	1170/46.1
Dimensions	4.4	Lift	h ₃ (mm/in)	3000/118.1
	4.9	Height drawbar in driving position min./max.	h ₁₄ mm / (in)	720/1220 (28.3/48)
	4.15	Fork height,lowered	h ₁₃ (mm/in)	50/2.0
	4.19	Overall length(folded pedal)	l ₁ (mm/in)	1836/72.3
	4.21	Overall width	b ₁ mm / (in)	1270/50
	4.22	Fork dimensions	s/e/l mm / (in)	35/100/1070 (1.4/6.7/42.1)
	4.25	Distance between fork-arms	b ₅ mm/(in)	210-790 (8.3-31.1)
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm/in)	35/1.4
	4.34.1	Aisle width for pallets 1000 x 1200 crossways	A _{st} (mm/in)	1901/74.8 ³⁾
	4.34.2	Aisle width for pallets 800 x 1200 lengthways	A _{st} (mm/in)	2101 ⁴⁾
4.35	Turning radius	W _a (mm/in)	1466/57.7	
Performance data	5.1	Travel speed,laden/unladen	km/h (mph)	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)
	5.3	Lowering speed,laden/unladen	m/s (ft/min)	0.140/0.150 (27.56/25.53)
	5.8	Max Gradeability,laden/unladen	%	5/10
Electric engine	6.1	Drive motor rating S2 60 min	kw/hp	0.70/0.94
	6.2	Lift motor rating at S3 15%	kw/hp	2.2/2.95
	6.4	Battery voltage,rated capacity	V/Ah	2x12/106
8.1	Type of drive control	DC		
9.1	Manufacturer	Curtis		

Note: 3) VDI 2198: +409/16.1mm/in 4) VDI 2198: +156/6.1mm/in

2,500lbs Mini Range Pallet Stacker 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/24in
						1.2t/2500lb
	mm/in	mm/in	mm/in	mm/in	mm/in	Kg/lb
Single cylinder duplex mast	2000/78.7	2085/2050 (82.1/80.7)	1545/60.8	2545/100.2	0	1200/2500
	2500/98.4	2585/2550 (101.8/100.4)	1795/70.7	3045/119.9	0	1200/2500
	2700/106.3	2785/2750 (109.6/108.3)	1895/74.6	3245/127.7	0	1200/2500
	3000/118.1	3085/3050 (121.5/120.1)	2045/80.5	3545/139.6	0	900/1984
	3300/129.9	3385/3350 (133.3/131.9)	2195/86.4	3845/151.4	0	750/1654
	3500/137.8	3585/3550 (141.1/139.8)	2383/93.8	4133/162.7	0	600/1323
	3600/141.7	3685/3650 (145.1/143.7)	2431/95.7	4231/166.6	0	600/1323

