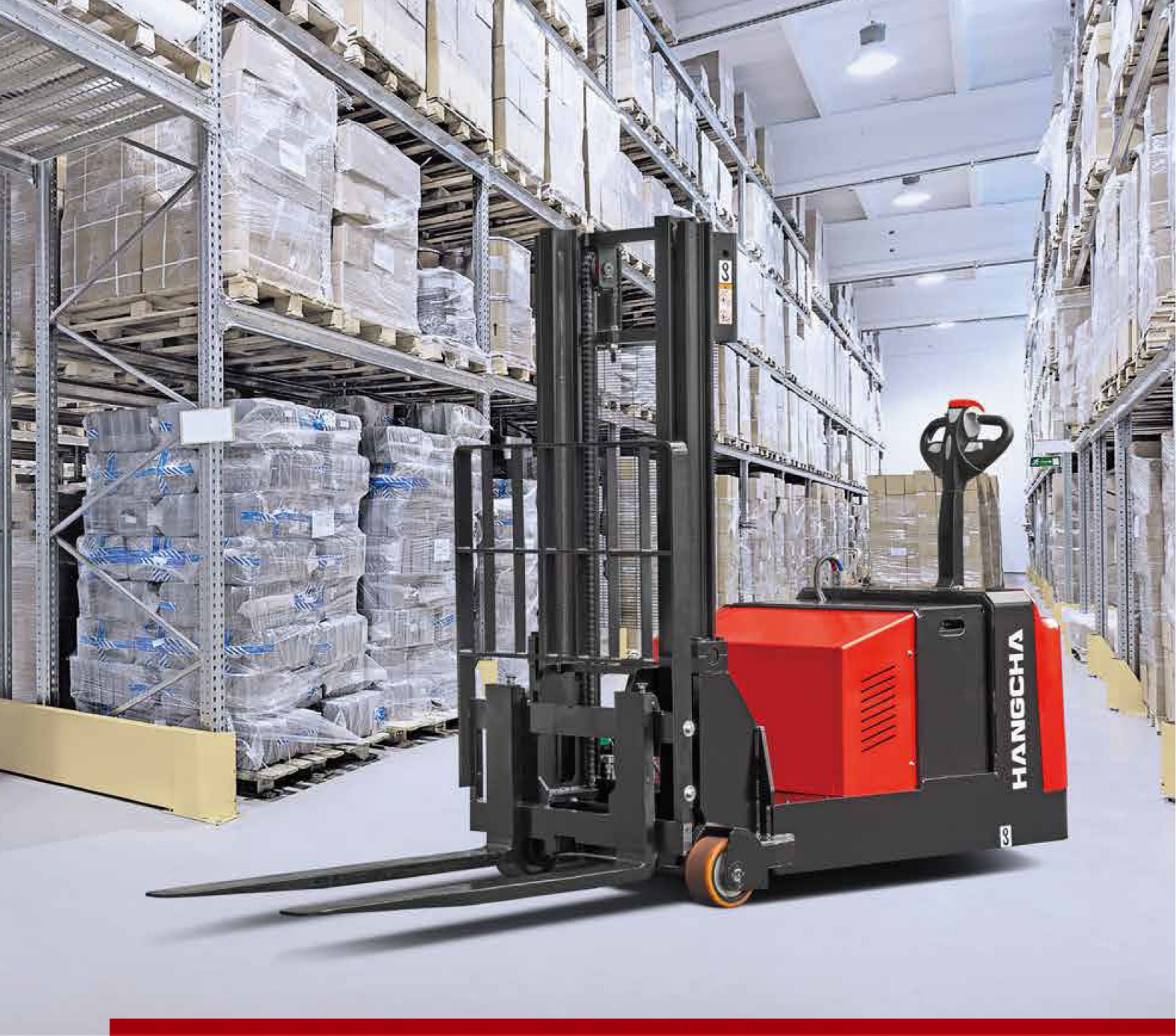
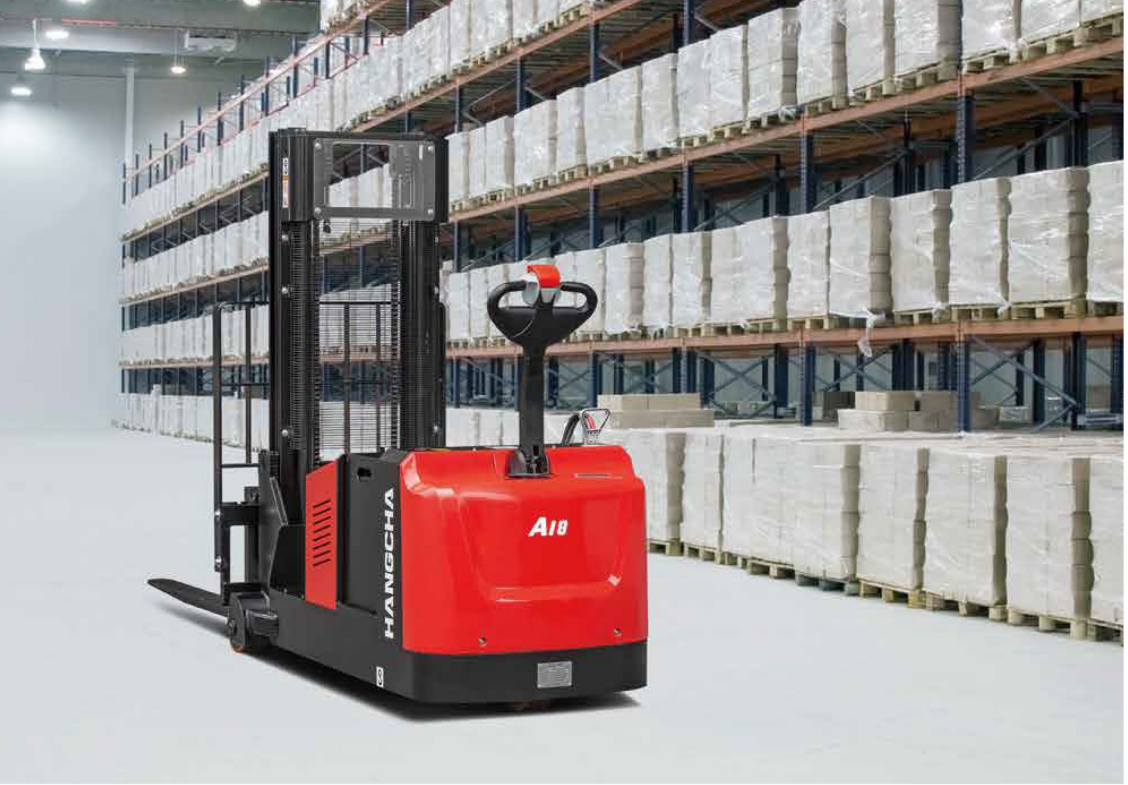


A Series Walkie Counterbalanced Stacker

with capacities of 2,000 to 4,000lbs

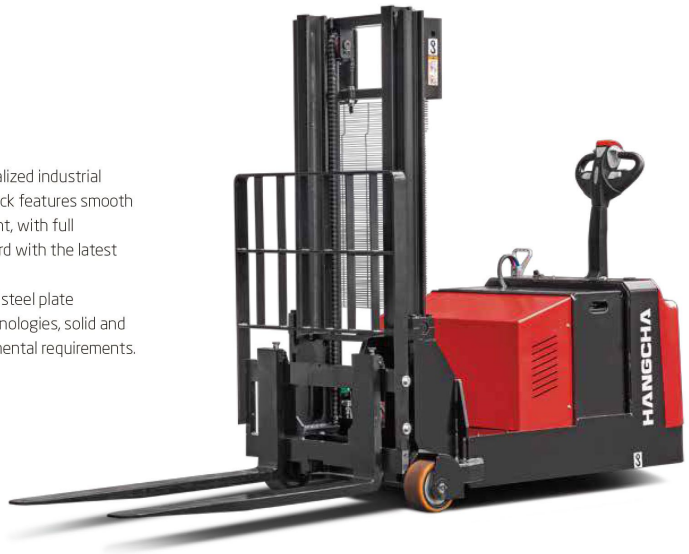
The walkie counterbalanced stacker, in addition to all spaces where general stackers may be used, can also play its role in spaces where general stackers cannot be used because enclosed pallets are used, there has little clearance between ground and pallet, and/or has no clearance for leg extension under shelves. Cutting-edge AC driving control technology and electric power steering technology are applied for the truck, which offer excellent performance, comfortable operation, safety and reliability, and low operation and maintenance cost. The stacker is an ideal tool for loading, unloading, and handling palletized goods in warehouse, supermarket, and workshop.



Environment/ Efficiency/ Economy

Appearance

/ The stacker is completed with specialized industrial design of appearance. The entire truck features smooth lines and affluent sense of movement, with full consideration to ergonomics, in accord with the latest appearance design trend.
/ It is manufactured with a number of steel plate stamping and injection molding technologies, solid and durable, in compliance with environmental requirements.



High Performance

/ Standard configuration of EPS (Electric Power Steering) offers easier and more flexible operation.
/ Stepless speed regulation for lifting, lowering, and tilting is a standard configuration.
/ The AC travel motor features excellent acceleration performance, outstanding climbing ability, low heat emission, and is brushless, and maintenance-free.
/ The cutting-edge CURTIS AC control system realizes accurate and stable control, and higher efficiency.
/ The CANBUS bus structure makes communication of the entire machine faster and more reliable.
/ Regenerative brake of the truck prevents it from sliding on a slope.
/ Standard configuration of forward and backward tilting function of gantry makes goods loading and unloading safer.

Comfort

/ Standard configuration of lifting and lowering stepless speed regulation realizes more accurate operation of the fork, and smoother and steadier lifting and lowering of the load.
/ The operating tiller is simple but beautiful, and function buttons are comfortable for operation.
/ The unique lighted creep speed driving function allows the truck to move at slow speed more conveniently, and can stack goods even in confined space.
/ Truck structure of optimized design guarantees terrific view for the operator, and easy entering and withdrawing from pallet.
/ Compact truck body and large rounded corner design make the truck suitable for operation in narrow space. Side roll out battery can realize easy and fast replacement of battery (optional).

Reliability

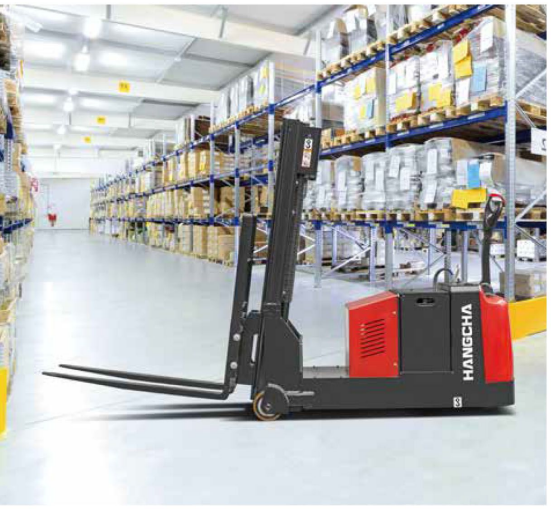
/ Three-support-point and low-gravity-center design and the high-strength steel plate framed structure feature large residual load bearing capacity, and long service life.
/ All wires and cables have reliable protection, which increases reliability of electrical system significantly.
/ Non-contact proximity switch features long service life and reliable operation.
/ The world-leading hydraulic power unit features low noise, small vibration, and stable and reliable rising and declining.
/ Power plug is fastened to truck body, which can avoid damage of plug due to impact when battery is lifted for installation.
/ The mast is made of H-shaped steel channels, which offer better rigidity and stability in comparison with C-shaped steel channels.

REMA tiller is simple but beautiful, and function buttons are comfortable for operation

Mast can offer better rigidity and stability in comparison with C-shaped steel channels

Mast tilting function is easy for entry in/out the pallet

Lowering speed will automatically reduced when the fork is lowered to a height less than 3.9" from ground



Standard specification

/ AC drive motor
/ CURTIS AC drive motor controller + oil pump motor controller
/ EPS system
/ Automatic deceleration at turns
/ Speed of lifting, lowering, and tilting can all be regulated in proportion
/ Multi-function battery condition meter
/ High-performance load bearing wheels
/ Fork length 42.1"
/ Adjustable outer distance of forks within the range of 8.3-35.4"
/ Duplex 106.3" mast of double lifting cylinders
/ Mast intelligent declining buffer
/ Multi-function tiller
/ Speed limit when fork is at elevated location
/ Creep speed function
/ Emergency reverse
/ Horn
/ Forward and backward tilt of mast by 3° and 8° respectively
/ Load backrest
/ Mast shield of wire mesh

Safety

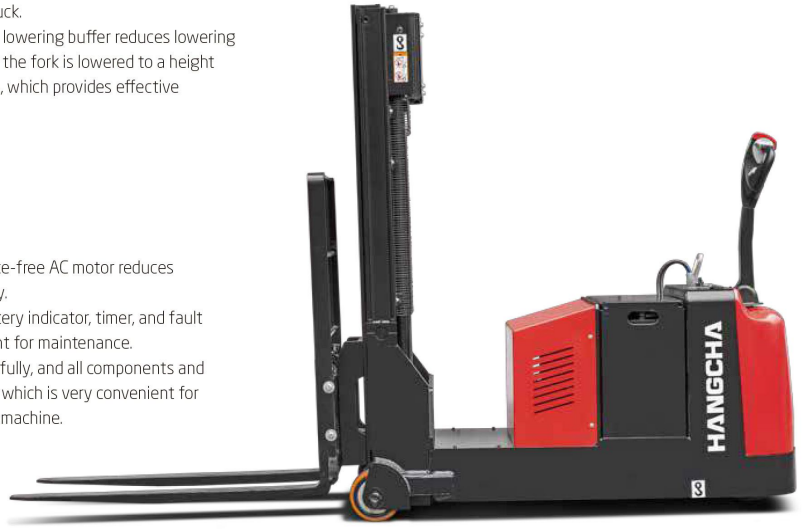
/ As a standard configuration, speed is lowered automatically when fork is lifted to specified height.
/ The function of lowering speed automatically as steering angle increases is a standard configuration.
/ Three types of braking function - release braking, reverse braking, and emergency braking - can ensure safety of traveling.
/ Anti-sliding function on slope can ensure safety of operation.
/ The emergency reversing button at top of the tiller can avoid the driver from injury effectively in case of emergency during backward driving of the truck.
/ The function of intelligent lowering buffer reduces lowering speed automatically when the fork is lowered to a height less than 3.9" from ground, which provides effective protection for goods.

Options

/ Mast of various heights (see mast parameter list for details)
/ Various fork lengths
/ Mast shield of PC plate
/ Trolley wheels for battery side roll out
/ Cold storage (-30 C)

Maintenance

/ The brushless, maintenance-free AC motor reduces operation cost significantly.
/ The meter integrating battery indicator, timer, and fault self-diagnosis is convenient for maintenance.
/ Back cover can be opened fully, and all components and parts are clear at a glance, which is very convenient for maintenance of the entire machine.



A Series Walkie Counterbalanced Stacker Specification

				HANGCHA GROUP CO.,LTD.		
Distinguishing marks	1.1	Manufacturer				
	1.2	Manufacturer's type designation		CPDB09-AC1-NA	CPDB14-AC1-NA	CPDB18-AC1-NA
	1.3	Drive:electric(battery or mains),diesel,petrol,fuel gas		Battery	Battery	Battery
	1.4	Operator type:hand,pedestrian,standing,seated,order-picker		pedestrian	pedestrian	pedestrian
	1.5	Rated capacity/rated load	Q (kg/lb)	900/2000	1400/3000	1800/4000
	1.6	Load centre distance	c (mm/in)	600/24	600/24	600/24
	1.8	Load distance, centre of drive axle to fork	x (mm/in)	216/8.5	216/8.5	226/8.9
	1.9	Wheelbase	y (mm/in)	1168	1330	1500
Weights	2.1	Service Weight without battery	kg/lb	1750/3858	2140/4718	2460/5423
Wheels, Chassis	3.1	Tyres:solid rubber,superelastic,pneumatic,polyurethane		PU	PU	PU
	3.2	Tyre size, front	mm/in	Φ250×80 / Φ9.5×3.1	Φ250×100 / Φ9.8×3.9	Φ250×100 / Φ9.8×3.9
	3.3	Tyre size, rear	mm/in	Φ200×100 / Φ7.9×3.9	Φ200×100 / Φ7.9×3.9	Φ200×100 / Φ7.9×3.9
	3.5	Wheels, number front / rear (x = driven wheels)		1×/2	1×/2	1×/2
	3.7	Tread, rear	b_{11} (mm/in)	870/34.3	870/34.3	870/34.3
Basic Dimensions	4.1	Tilt of mast forward/backward	α/β (°)	3/8	3/8	3/8
	4.2	Height,mast lowered	h_1 (mm/in)	1887/74.3	1887/74.3	1992/78.4
	4.4	Lift	h_3 (mm/in)	2700/106.3	2700/106.3	2700/106.3
	4.5	height, mast extended	h_4 (mm/in)	3968/156.2	3968/156.2	3968/156.2
	4.9	Height of tiller in drive position min./max.	h_{14} (mm/in)	790/1480(31.1/58.3)	790/1480(31.1/58.3)	790/1480(31.1/58.3)
	4.15	Height, lowered	h_{13} (mm/in)	50/2.0	50/2.0	60/2.4
	4.19	Overall length	l_1 (mm/in)	2654[1)]/104.5[1)]	2794[1)]/110[1)]	2974[1)]/117.1[1)]
	4.20	Length to face of forks	l_2 (mm/in)	1584[1)]/62.4[1)]	1724[1)]/67.9[1)]	1904[1)]/75.0[1)]
	4.21	Overall width	b_1/b_2 (mm/in)	870/1030(34.3/40.6)	870/1030(34.3/40.6)	870/1030(34.3/40.6)
	4.22	Fork dimensions	s/e/l (mm/in)	35/100/1070(1.4/3.9/42.1)	35/100/1070(1.4/3.9/42.1)	45/100/1070(1.8/3.9/42.1)
	4.24	Fork-carriage width	b_3 (mm/in)	974/38.3	974/38.3	974/38.3
	4.25	Distance between fork-arms	b_5 (mm/in)	210~900(8.3~35.4)	210~900(8.3~35.4)	210~900(8.3~35.4)
	4.32	Ground clearance, centre of wheelbase	m_2 (mm/in)	70/2.8	70/2.8	70/2.8
	4.35	Turning radius	Wa (mm/in)	1368/53.9	1508/59.4	1678/66.1
		Battery compartment width	l_8 (mm/in)	340/13.4	340/13.4	340/13.4
		Battery compartment length	b_6 (mm/in)	818/32.2	818/32.2	818/32.2
		Battery floor Height w/optional rollers	mm/in	240/9.4	240/9.4	240/9.4
		Load backrest height	h_{12} (mm/in)	1233/48.5	1233/48.5	1233/48.5
		Grade clearance	D (%)	39.75	46.57	46.57
		Top vertical braking Arc	Q (°)	15	15	15
		Bottom braking Arc	M (°)	10	10	10
		Handle Operating Arc	S (°)	65	65	65
Performance Data	5.1	Travel speed, laden/unladen	kph (mph)	5.5/5.5(3.4/3.4)	5.5/5.5(3.4/3.4)	5.5/5.5(3.4/3.4)
	5.2	Lift speed, laden/unladen	m/s (ft/min)	0.150/0.240(29.53/47.24)	0.140/0.230(27.56/45.28)	0.125/0.216(24.61/42.52)
	5.3	Lowering speed, laden/unladen	m/s (ft/min)	0.220/0.250(43.31/49.21)	0.210/0.240(41.34/47.24)	0.210/0.240(41.34/47.24)
	5.8	Max.gradeability, laden/unladen	%	7/10	7/10	6/10
	5.10	service brake		Electromagnetic braking	Electromagnetic braking	Electromagnetic braking
Electric-motor	6.1	Drive motor rating S2 60 min.	kW/hp	1.5/2.0	3/4.0	3/4.0
	6.2	Lift motor rating at S3 15%	kW/hp	2.2/2.95	3.2/4.29	3.2/4.29
	6.4	Battery voltage/nominal capacity K5	V/Ah	24/525	24/525	24/525
		Minimum battery weight	kg/lb	400/882	400/882	400/882
		Maximum battery weight	kg/lb	500/1102	640/1411	500/1102
Others	8.1	Type of drive control		AC CURTIS	AC CURTIS	AC CURTIS
	10.5	Steering design		Electronic steering	Electronic steering	Electronic steering
	10.7	sound pressure level at the driver's seat	dB(A)	70	70	70

Note:1).Triplex mast +21mm(0.83in)

Specifications are subject to change without notice.