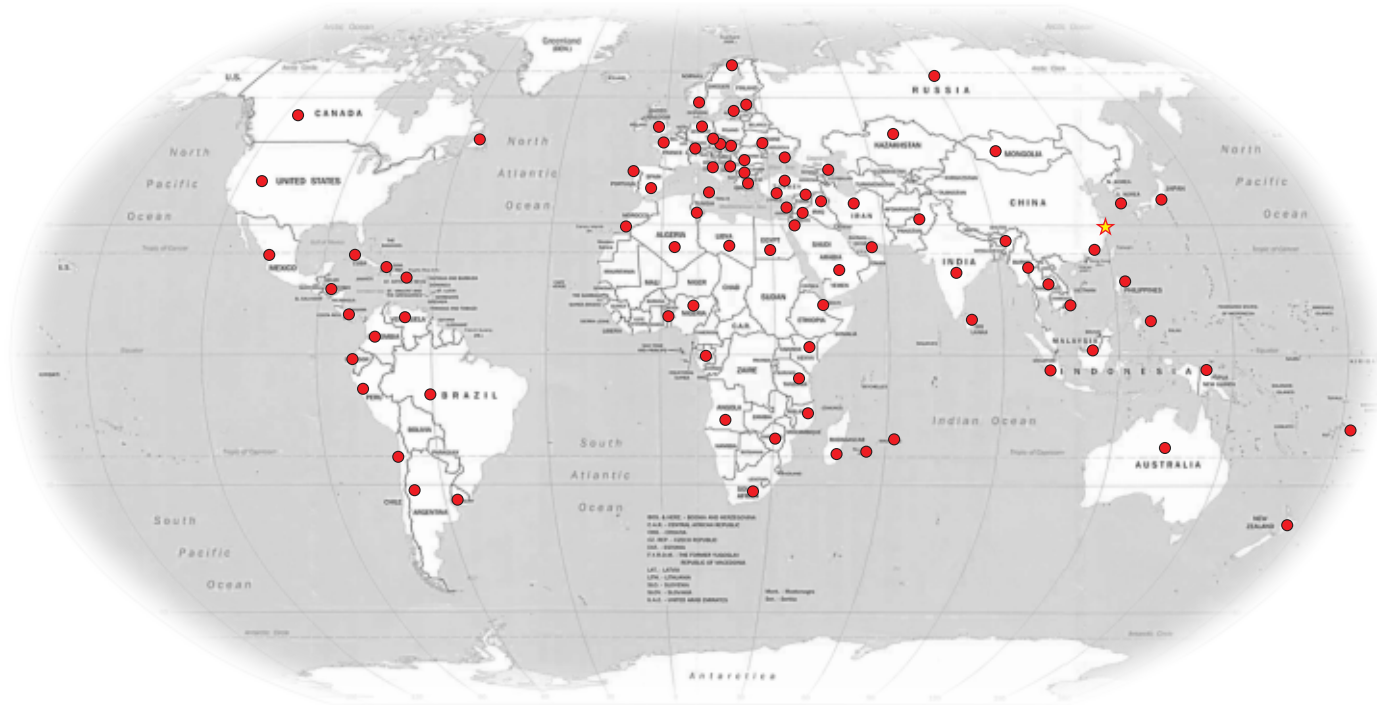


GLOBAL SALES NETWORK



CE CERTIFICATE



ISO14001: 2004



ISO9001: 2008

HANGCHA GROUP CO.,LTD.
(Zhejiang Hangcha Imp. & Exp.Co.,Ltd.)

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New A Series



HANGCHA GROUP CO., LTD.

Mini Range

1.5t Pallet Truck

1.0/1.2t Pallet Stacker



High Performance

- Strong power to satisfy most applications of material handling.
- Latest permanent magnetic system including motor and controller applied to provide excellent, efficient performance.
- Regenerative brake and slope anti-slide function are offered by this truck.

Reliability

- CBD: The adopted three-pivot design with side support system improves the safety and reliability.
- CDD: The adopted four-pivot design to provide reasonable driving wheel balance and good visibility and reliability.
- The applied lifting system with optimized design is more stable and reliable.
- Water-proof plugs and connectors applied to provide a reliable protection to electric system.
- Top quality hydraulic power unit applied to provide low noise, low vibration, smooth lifting and landing.
- Punch-formed forks to provide more strength and tip guide to provide higher efficient operation.

Comfort

- Simple and beautiful tiller designed to operate all functions easily even by one hand.
- Optimized design to offer a good visibility and easy entrance of the pallet.
- Built-in charger and maintenance free gel battery adopted to provide convenient usage.
- Compact size to offer smart operations and pass of narrow aisle.

Safety

- With three braking types: releasing brake, reversing brake and emergency brake, the driving safety has been ensured.
- The applied slope anti-slip function ensures the safety of the operation.
- The emergency button on the tiller head can effectively avoid the harm to the driver in emergent situations when driving in reverse.
- The standard equipped electronic lifting limitation and soft landing system protect working motor and loads from damaging.

Standard Specifications

- Horn
- PU drive wheel
- Internal charger
- Multi-function tiller
- Tandem load wheels
- 1150mm fork length
- Hydraulic power unit
- Maintenance free battery
- 560mm outside fork width
- Permanent magnetic motor
- Emergency disconnect switch
- CURTIS permanent magnetic controller
- 1.5m standard mast (Mini pallet stacker)

Options

- Load backrest
- 1220mm fork length
- 680mm outside fork width
- Cold store protection (-30°C)
- 2m mast (Mini pallet stacker)

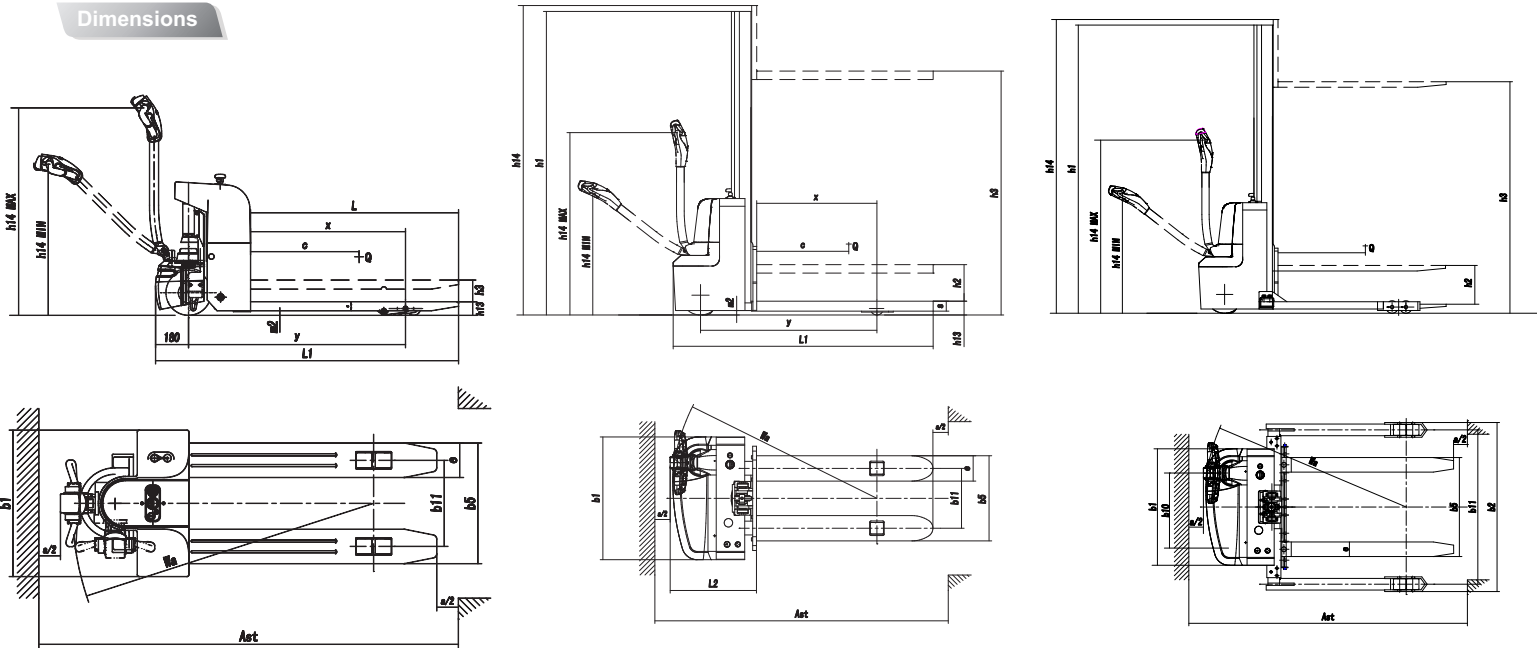
Characteristics	Manufacturer	HANGCHA GROUP CO.,LTD.				
		CBD15-AMC1	CDD10-AMC1	CDD12-AMC1	CDD10-AMC1-B	CDD12-AMC1-B
1.1	Model					
1.2	Operator type	Pedestrian	Pedestrian	Pedestrian	Pedestrian	Pedestrian
1.3	Load capacity	Q (Kg)	1500	1000	1200	1000
1.4	Load center	c (mm)	600	600	600	600
1.5	Wheelbase	y (mm)	1280	1197.5	1197.5	1197.5
Weight		kg	230	500	500	500
Wheels&Tyres	3.1	Tyre type	PU	PU	PU	PU
	3.2	Tyre size,operator side	mm	φ250×80	φ250×80	φ250×80
	3.3	Tyre size,load side	mm	φ85×70	φ85×70	φ85×70
	3.4	Auxiliary wheel size	mm	φ125×50	φ125×50	φ125×50
	3.5	Wheels, number operator/load side(x=drive wheels)		1x+1/4	1x+1/4	1x+1/4
	3.6	Tread,operator side	b10 (mm)	/	520	520
	3.7	Tread,load side	b11 (mm)	400	390	1060/1170/1370
Dimensions	4.1	Lift height	h3 (mm)	120	1500	1500
	4.2	Fork height,lowered	h13 (mm)	85	85	50
	4.3	Overall length	L1 (mm)	1648	1695	1619
	4.4	Overall width	b1 (mm)	680	800	800
	4.5	Fork size	s/e/L (mm)	50×160×1150	60×170×1150	60×170×1150
	4.6	Outside fork width	b5 (mm)	560/680	560	210-790
	4.7	Ground clearance,center of wheelbase,min	m ² (mm)	25	35	35
	4.8	Min,right angle stacking aisle width 1000×1200 across forks	Ast (mm)	1928	2002	2002
	4.9	Min,right angle stacking aisle width 800×1200 across forks	Ast (mm)	1978	2052	2052
	4.10	Outer turning radius,min	Wa (mm)	1480	1422	1422
Performance	5.1	Travel speed,laden/unladen	km/h	3.5/4	3.5/4	3.5/4
	5.2	Lift speed,laden/unladen	mm/s	50/60	140/230	120/230
	5.3	Lowering speed,laden/unladen	mm/s	40/45	180/170	180/170
	5.4	Max Gradeability,laden/unladen	%	6/15	6/10	6/10
Motor&Battery	6.1	Drive motor power	KW	0.7	0.7	0.7
	6.2	Lift motor power	KW	0.8	2.2	2.2
	6.3	Battery voltage,rated capacity	V/Ah	2×12/70	2×12/70	2×12/70
	7.1	Controller mode		Curtis DC	Curtis DC	Curtis DC

Specifications are subject to change without notice.

1.0/1.2t Mini Range Pallet Stacker Mast Specification:

Mast Type	Max Lifting Height h3	Ground clearance,fork (h3+h13)	Lowered Height h1	Extended Height h4	Free lift	Load Capacity at 600mm	
						1.0t	1.2t
	mm	mm	mm	mm	mm	Kg	Kg
Single cylinder	1500	1585	1979	1986	1493	1000	1200
	1750	1835	2229	2236	1743	1000	1200
Single stage	2000	2085	2479	2486	1993	1000	1200

Dimensions



Basic Range

2.0t Pallet Truck



High Performance

- AC travelling motor applied to provide excellent acceleration, good gradeability, low heat, no carbon brush and maintenance free.
- The latest CURTIS AC control system provides accurate and stable control to work more efficient.
- The applied CANBUS structure to offer more reliable and faster command access.
- Regenerative brake and slope anti-slide function are offered by this truck.

Reliability

- Five-pivot with low centre of gravity design and high strength steel frame structure chassis provide larger residual load capability and longer working life.
- Water-proof plugs and connectors applied to provide a reliable protection to electric system.
- The adopted unique floating suspension system ensures good driving wheels' grip and excellent stability.
- Top quality hydraulic power unit applied to provide low noise, low vibration, smooth lifting and landing reliable operation.
- Punch-formed forks to provide more strength and tip guide to provide higher efficient operation.
- The power plug is fixed on the truck body to avoid damage from battery installment.

Comfort

- The shock absorption design of foldable platform improves comfort greatly to the operator.
- Simple and beautiful tiller designed to operate all functions easily even by one hand.
- Displayed turtle speed function applied to move slowly and helps to stack goods in narrow spaces.
- Optimized designing structure to offer a good visibility and easy entrance of the pallet.

Safety

- With three braking types: releasing brake, reversing brake and emergency brake, the driving safety has been ensured.
- The applied slope anti-slip function ensures the safety of the operation.
- The emergency button on the tiller head can effectively avoid the harm to the driver.
- The standard equipped electronic lifting limitation and intellectual control limitation to offer double protection to working motor and loads from damaging.

Standard Specifications

- Horn
- Pedal (only CBD20-AEC1S)
- AC drive motor
- PU drive wheel
- Tandem load wheels
- 1150mm fork length
- CURTIS AC controller
- Hydraulic power unit
- 540mm outside fork width
- Electronic lifting limitation
- Emergency disconnect switch
- Multi-function battery indicator
- CAN-bus system multi-function tiller

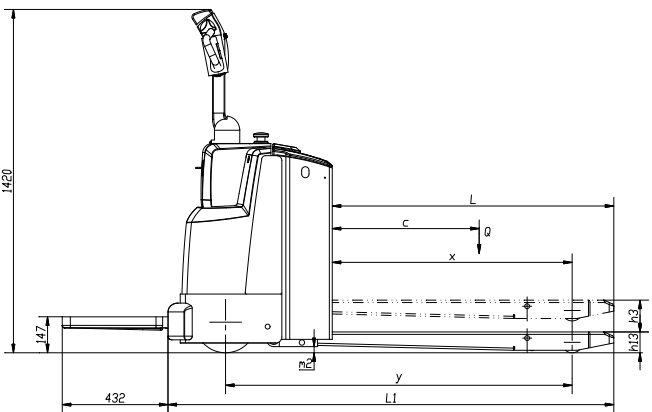
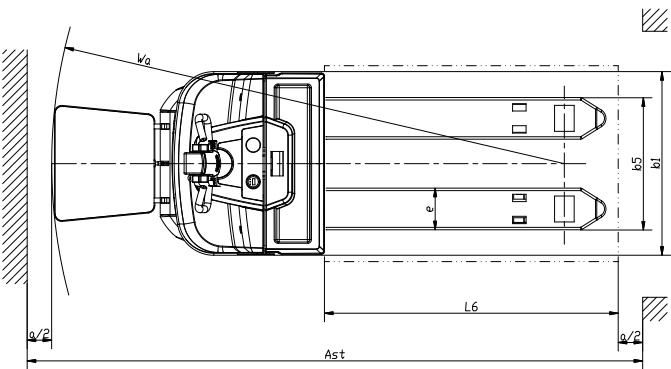
Options

- Load backrest
- Guide roller of pallet
- Handrail
- 210Ah, 240Ah battery
- Different outside fork width (560mm,600mm,650mm,680mm,700mm)
- Cold store protection (-30°C)
- Different length of forks(1220mm, 1400mm, 1600mm, 2000mm,2150mm,2400mm)

Characteristics		Manufacturer	HANGCHA GROUP CO., LTD.		
	1.1	Model		CBD20-AEC1S	CBD20-AEC1
	1.2	Operator type		Stand-on	Pedestrian
	1.3	Load capacity	Q (Kg)	2000	2000
	1.4	Load center	c (mm)	600	600
	1.5	Wheelbase	y (mm)	1415	1415
Weight	2.1	Service weight with battery	kg	540	490
Wheels & Types	3.1	Tyre type		PU	PU
	3.2	Tyre size, operator side	mm	φ250×80	φ250×80
	3.3	Tyre size, load side	mm	φ85×70	φ85×70
	3.4	Auxiliary wheel size	mm	φ100×40	φ100×40
	3.5	Wheels, number operator/load side (x=drive wheels)		1x+2/4	1x+2/4
	3.6	Tread, operator side	b10 (mm)	530	530
	3.7	Tread, load side	b11 (mm)	370	370
Dimensions	4.1	Lift height	h3 (mm)	125	125
	4.2	Fork height, lowered	h13 (mm)	85	85
	4.3	Overall length(fold the pedal)	L1 (mm)	1820	1770
	4.4	Overall length(unfold the pedal)	L1 (mm)	2252	
	4.5	Overall width	b1 (mm)	750	750
	4.6	Fork size	s/e/L (mm)	64/170/1150	64/170/1150
	4.7	Outside fork width	b5 (mm)	540/680	540/680
	4.8	Ground clearance, center of wheelbase, min	m2 (mm)	25	25
	4.9	Min. right angle stacking aisle width 1000x1200 across forks	Ast (mm)	2040	1980
	4.10	Min. right angle stacking aisle width 800x1200 along forks	Ast (mm)	2090	2030
	4.11	Outer turning radius, min	Wa (mm)	1670	1610
Performance	5.1	Travel speed, laden/unladen	km/h	5/5	5/5
	5.2	Lift speed, laden/unladen	mm/s	30/45	30/45
	5.3	Lowering speed, laden/unladen	mm/s	50/35	50/35
	5.4	Max. Gradeability, laden/unladen	%	6/15	6/15
Motor & Battery	6.1	Drive motor power	KW	1.1	1.1
	6.2	Lift motor power	KW	0.8	0.8
	6.3	Battery voltage, rated capacity	V/Ah	24/165	24/165
	6.4	Optional battey voltage, rated capacity	V/Ah	24/210~240	24/210~240
	7.1	Controller mode		curtis AC	curtis AC

Specifications are subject to change without notice.

Dimensions



Basic Range

1.2/1.4/1.6t Pallet Stacker



High Performance

- AC travelling motor applied to provide excellent acceleration, good gradeability, low heat, no carbon brush and maintenance free.
- The latest CURTIS AC control system provides accurate and stable control to work more efficient.
- The applied CANBUS structure to offer more reliable and faster command access.
- Regenerative brake and slope anti-slide function are offered by this truck.

Reliability

- Five-pivot with low centre of gravity design and high strength steel frame structure chassis provide larger residual load capability and longer working life.
- Water-proof plugs and connectors applied to provide a reliable protection to electric system.
- The adopted unique floating suspension system ensures good driving wheels' grip and excellent stability.
- Top quality hydraulic power unit applied to provide low noise, low vibration, smooth lifting and landing reliable operation.
- Punch-formed forks to provide more strength and tip guide to provide higher efficient operation.
- H-type mast profile section to provide more stable and rigid performance.
- The power plug is fixed on the truck body to avoid damage from battery installment.

Comfort

- The shock absorption design of foldable platform improves comfort greatly to the operator.
- The new designed floating suspension system made steering operation more flexible and convenient.
- Simple and beautiful tiller designed to operate all functions easily even by one hand.
- Displayed turtle speed function applied to move slowly and helps to stack goods in narrow spaces.
- Optimized designing structure to offer a good visibility and easy entrance of the pallet.
- The compact body and big rounded design provide an ideal operation in limited space, and the wedge designed chassis greatly increases the passing ability.

Safety

- With three braking types: releasing brake, reversing brake and emergency brake, the driving safety has been ensured.
- The applied slope anti-slip function ensures the safety of the operation.
- 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.

Standard Specifications

- Horn
- Pedal(only for Stand-on)
- AC drive motor
- PU drive wheel
- Tandem wheels
- 2.7m duplex mast
- Soft landing system
- CURTIS AC controller
- 1150mm fork length
- Hydraulic power unit
- 570mm outside fork width
- Emergency disconnect switch
- Multi-function battery indicator
- CAN-bus system multi-function tiller
- Sensitive lowering

Options

- 240Ah battery
- Load backrest
- Side access battery
- Mast protection
- 680mm outside fork width
- Different mast lifting heights(2m-4.5m)
- Cold store protection (-30°C)
- Different length of forks (1220mm, 1400mm,1600mm)
- Handrail
- Overhead guard

Basic Range Pallet Stacker Mast Specification

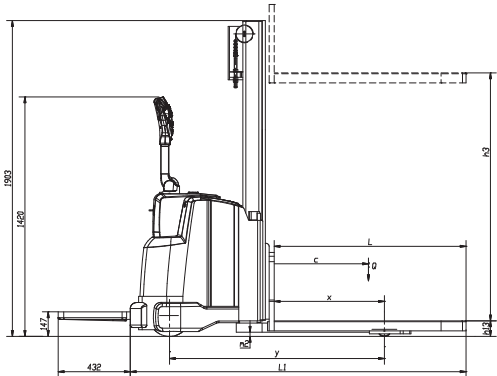
Mast type	Max Lifting Height h3	Ground clearance, fork (h3 +h13)	Lowered Height h1	Extended Height h4	Free lift	Load Capacity at 600mm		
						1. 2t	1. 4t	1. 6t
	mm	mm	mm	mm	mm	kg	kg	kg
Single cylinder duplex wide view	2000	2090	1553	2553	90	1200	1400	1600
	2500	2590	1803	3053	90	1200	1400	1600
	2700	2790	1902	3253	90	1200	1400	1450
	3000	3090	2053	3553	90	1200	1250	1300
	3300	3390	2203	3853	90	1100	1100	1150
	3500	3590	2388	4138	90	950	950	1000
Double cylinders duplex wide view	3600	3690	2438	4238	90	950	950	1000
	2000	2090	1542	2542	90	1200	1400	1600
	2500	2590	1792	3042	90	1200	1400	1600
	2700	2790	1892	3242	90	1200	1400	1450
	3000	3090	2042	3542	90	1200	1250	1300
	3300	3390	2192	3842	90	1100	1100	1150
	3500	3590	2292	4042	90	950	950	1000
	3600	3690	2342	4142	90	950	950	1000
	3800	3890	2442	4342	90	850	850	900
Duplex full-free wide view	4000	4090	2642	4642	90	750	750	800
	4300	4390	2792	4942	90	600	600	650
	4500	4590	2892	5142	90	500	500	550
	2000	2090	1595	2595	1090	1200	1400	1600
	2500	2590	1845	3095	1340	1200	1400	1600
	2700	2790	1945	3295	1440	1200	1400	1450
	3000	3090	2095	3595	1590	1200	1250	1300
Triplex full-free wide view	3300	3390	2245	3895	1740	1100	1100	1150
	3500	3590	2345	4095	1840	950	950	1000
	3600	3690	2395	4195	1890	950	950	1000
	3500	3590	1844	4214	1220	950	950	1000
Triplex full-free wide view	3700	3790	1909	4409	1290	850	850	900
	4000	4090	2009	4709	1390	750	750	800
	4300	4390	2109	5009	1490	600	600	650
	4500	4590	2159	5159	1590	500	500	550

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

	Manufacturer		HANGCHA GROUP CO.,LTD.												
Characteristics	1.1	Model		CDD12-AEC1S	CDD12-AEC1	CDD14-AEC1S	CDD14-AEC1	CDD16-AEC1S	CDD16-AEC1	CDD12-AEC1S-B	CDD12-AEC1-B	CDD14-AEC1S-B	CDD14-AEC1-B	CDD16-AEC1S-B	CDD16-AEC1-B
	1.2	Operator type		Stand-on	Pedestrian	Stand-on	Pedestrian	Stand-on	Pedestrian	Stand-on	Pedestrian	Stand-on	Pedestrian	Stand-on	Pedestrian
	1.3	Load capacity	Q (Kg)	1200	1200	1400	1400	1600	1600	1200	1200	1400	1400	1600	1600
	1.4	Load center	c (mm)	600	600	600	600	600	600	600	600	600	600	600	600
	1.5	Wheelbase	y (mm)	1378 ¹⁾	1378 ¹⁾	1378 ¹⁾	1378 ¹⁾	1378 ¹⁾	1378 ¹⁾	1378 ¹⁾	1378 ¹⁾	1378 ¹⁾	1378 ¹⁾	1378 ¹⁾	1378 ¹⁾
Weight	2.1	Service weight with battery	kg	1050	1010	1050	1010	1070	1030	1120	1080	1120	1080	1140	1100
Wheels&Tyres	3.1	Tyre type		PU	PU	PU	PU	PU	PU	PU	PU	PU	PU	PU	PU
	3.2	Tyre size,operator side	mm	φ250×80	φ250×80	φ250×80	φ250×80	φ250×80	φ250×80	φ250×80	φ250×80	φ250×80	φ250×80	φ250×80	φ250×80
	3.3	Tyre size,load side	mm	φ85×70	φ85×70	φ85×70	φ85×70	φ85×70	φ85×70	φ85×70	φ85×70	φ85×70	φ85×70	φ85×70	φ85×70
	3.4	Auxiliary wheel size	mm	φ125×50	φ125×50	φ125×50	φ125×50	φ125×50	φ125×50	φ125×50	φ125×50	φ125×50	φ125×50	φ125×50	φ125×50
	3.5	Wheels, number operator/load side(x=drive 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,operator side	b10 (mm)	620	620	620	620	620	620	620	620	620	620	620	620
	3.7	Tread,load side	b11 (mm)	385	385	385	385	385	385	1000/1170/1370	1000/1170/1370	1000/1170/1370	1000/1170/1370	1000/1170/1370	1000/1170/1370
Dimensions	4.1	Lift height	h3 (mm)	2700	2700	2700	2700	2700	2700	2700	2700	2700	2700	2700	2700
	4.2	Fork height,lowered	h13 (mm)	90	90	90	90	90	90	50	50	50	50	50	50
	4.3	Overall length(fold the pedal)	L1 (mm)	2074 ²⁾	2013 ²⁾	2074 ²⁾	2013 ²⁾	2074 ²⁾	2013 ²⁾	2024 ²⁾	1963 ²⁾	2024 ²⁾	1963 ²⁾	2024 ²⁾	1963 ²⁾
	4.4	Overall length(unfold the pedal)	L1 (mm)	2495 ²⁾		2495 ²⁾		2495 ²⁾		2445 ²⁾		2445 ²⁾		2445 ²⁾	
	4.5	Overall width	b1(mm)	860	860	860	860	860	860	1100/1270/1470	1100/1270/1470	1100/1270/1470	1100/1270/1470	1100/1270/1470	1100/1270/1470
	4.6	Fork size	s/e/L (mm)	60×185×1150	60×185×1150	60×185×1150	60×185×1150	60×185×1150	60×185×1150	35×100×1070	35×100×1070	35×100×1070	35×100×1070	35×100×1070	35×100×1070
	4.7	Outside fork width	b5 (mm)	570/680	570/680	570/680	570/680	570/680	570/680	210-790	210-790	210-790	210-790	210-790	210-790
	4.8	Ground clrance,center of wheelbase,min	m ² (mm)	30	30	30	30	30	30	40	40	40	40	40	40
	4.9	Min,right angle stacking aisle width 1000×1200 across forks	Ast (mm)	2280 ²⁾	2220 ²⁾	2280 ²⁾	2220 ²⁾	2280 ²⁾	2220 ²⁾	2310 ²⁾	2250 ²⁾	2310 ²⁾	2250 ²⁾	2310 ²⁾	2250 ²⁾
	4.10	Min,right angle stacking aisle width 800×1200 across forks	Ast (mm)	2330 ²⁾	2270 ²⁾	2330 ²⁾	2270 ²⁾	2330 ²⁾	2270 ²⁾	2360 ²⁾	2300 ²⁾	2360 ²⁾	2300 ²⁾	2360 ²⁾	2300 ²⁾
	4.11	Outer turning radius,min	Va (mm)	1630 ¹⁾	1570 ¹⁾	1630 ¹⁾	1570 ¹⁾	1630 ¹⁾	1570 ¹⁾	1630 ¹⁾	1570 ¹⁾	1630 ¹⁾	1570 ¹⁾	1630 ¹⁾	1570 ¹⁾
Performance	5.1	Travel speed,laden/unladen	km/h	5/5	5/5	5/5	5/5	5/5	5/5	5/5	5/5	5/5	5/5	5/5	5/5
	5.2	Lift speed,laden/unladen	mm/s	100/160	100/160	100/160	100/160	120/180	120/180	100/160	100/160	100/160	100/160	120/180	120/180
	5.3	Lowering speed,laden/unladen	mm/s	130/140	130/140	130/140	130/140	140/150	140/150	130/140	130/140	130/140	130/140	140/150	140/150
	5.4	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
Motor&Battery	6.1	Drive motor power	kW	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	6.2	Lift motor power	kW	2.2	2.2	2.2/3 ³⁾	2.2/3 ³⁾	3	3	2.2	2.2	2.2/3 ³⁾	2.2/3 ³⁾	3	3
	6.3	Battery voltage,rated capacity	V/Ah	24/210	24/210	24/210	24/210	24/240	24/240	24/210	24/210	24/210	24/210	24/240	24/240
	6.4	Optional battery voltage,rated capacity	V/Ah	24/240	24/240	24/240	24/240			24/240	24/240	24/240	24/240		
	7.1	Controller mode		Curtis AC	Curtis AC	Curtis AC	Curtis AC	Curtis AC	Curtis AC	Curtis AC	Curtis AC	Curtis AC	Curtis AC	Curtis AC	Curtis AC

Note: 1)Mast with double lifting cylinders(including triplex mast)+47mm
2)Duplex mast with double lifting cylinders+47mm and triplex mast+68mm
3)Mast with double lifting cylinders(including triplex mast)

Dimensions



Hi Range

2.0/3.0t Pallet Truck



High Performance

- AC travelling motor applied to provide excellent acceleration, good gradeability, low heat, no carbon brush and maintenance free.
- The latest CURTIS AC control system provides accurate and stable control to work more efficient.
- The applied CAN-BUS structure to offer more reliable and faster command access.
- Regenerative brake and slope anti-slide function are offered by this truck.
- Stand-on type with high power drive motor, provides fast travel speed and good gradeability.

Reliability

- Five-pivot with low centre of gravity design and high strength steel frame structure chassis provide larger residual load capacity and longer working life.
- Water-proof plugs and connectors applied to provide a reliable protection to electric system.
- The adopted unique floating suspension system ensures good driving wheels grip and excellent.
- Top quality hydraulic power unit applied to provide low noise, low vibration, smooth lifting and landing reliable operation.
- Punch-formed forks to provide more strength and tip guide to provide higher efficient operation.
- H-type mast profile section to provide more stable and rigid performance.
- The power plug is fixed on the truck body to avoid damage from battery installment.
- Pedestrian type use the new design drive system, the drive motor will not accompany the tiller rotation, it can keep all the cable connect to the drive motor avoid being bent.

- Using non-contact proximity switch, it can provides long life and reliable operation.

Comfort

- The shock absorption design of foldable platform improves comfort greatly to the operator.
- The new designed floating suspension driving system, adjustable automatically with loads, offers the driving wheels sufficient power.
- Simple and beautiful tiller designed to operate all functions easily even by one hand.
- Displayed turtle speed function applied to move slowly and helps to stack goods in narrow spaces.
- Optimized designing structure to offer a good visibility and easy entrance of the pallet.
- The compact body and big rounded design provide an ideal operation in limited space, and the wedge designed chassis greatly increases the passing ability.
- Customer can choose different width of outside fork and length of forks to fit variable pallet.

Safety

- With three braking types: releasing brake, reversing brake and emergency brake, the driving safety has been ensured.
- The applied slope anti-slip function ensures the safety of the operation.
- The emergency button on the tiller head can effectively avoid the harm to the driver.
- Lifting limitation switch to offer protection to the loads from damaging.
- Turning speed is automatically reduced when steering only for stand-on.

Maintenance

- Turtle speed function can keep the slow move when the tiller is vertical direction, the truck can stack goods even in narrow space.
- AC motor with no cabin brush, don't need maintenance, lower cost.
- Rear cover can be completely open, operator can see all the components, so the maintenance is very convenient.
- All shafts installed lubricated shaft sleeve and oil cup, provide convenient maintenance and long service life.

Standard Specifications

- Horn
- AC drive motor
- PU drive wheel
- Pedal and handrail
- Tandem load wheels
- 1150mm fork length
- CURTIS AC controller
- Hydraulic power unit
- 540mm outside fork width
- Electronic lifting limitation
- Emergency disconnect switch
- Multi-function battery indicator
- CAN-bus system multi-function tiller
- Electric steering (stand on pallet)

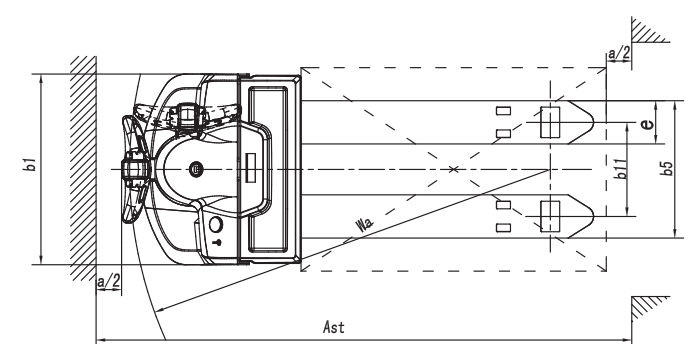
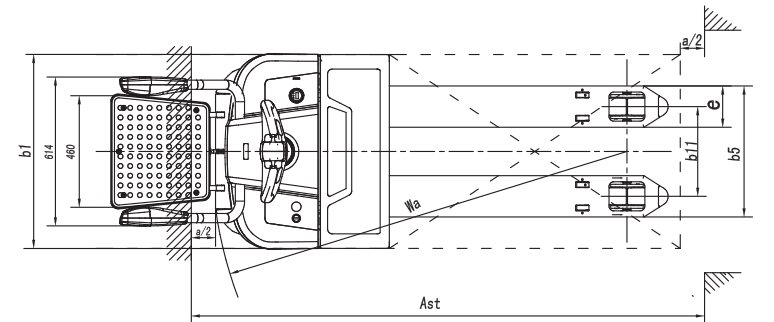
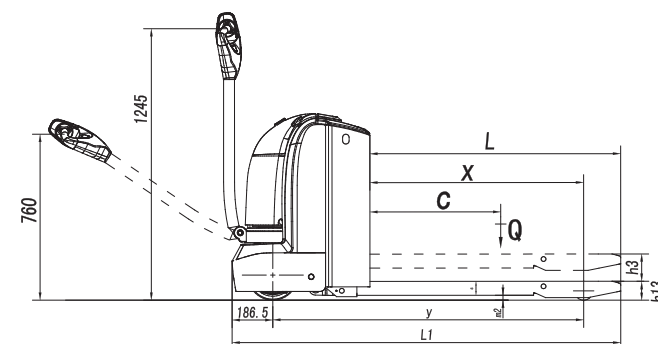
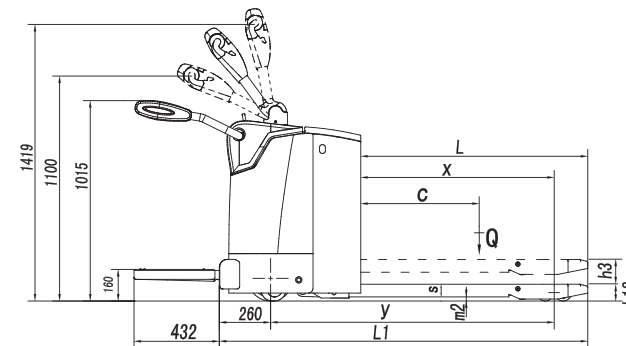
Options

- Load backrest
- Different width of outside fork
- Cold store protection (-30°C)
- Pedestrian:210Ah~240Ah,
- Stand-on:240Ah~340Ah
- Guide roller of pallet
- Different length of forks
- Automatic charger

Characteristics	Manufacturer		HANGCHA GROUP CO.,LTD.				
	1.1	Model		CBD20-AC1S	CBD20-AC1	CBD30-AC1S	CBD30-AC1
	1.2	Operator type		Stand-on	Pedestrian	Stand-on	Pedestrian
	1.3	Load capacity	Q (kg)	2000	2000	3000	3000
	1.4	Load center	c (mm)	600	600	600	600
	1.5	Wheelbase	y (mm)	1369 ¹⁾	1357 ¹⁾	1369 ¹⁾	1357 ¹⁾
Weight	2.1	Service weight with battery	kg	726	544	750	564
Wheels&Tyres	3.1	Tyre type		PU	PU	PU	PU
	3.2	Tyre size,operator side	mm	φ230×75	φ230×75	φ230×75	φ230×75
	3.3	Tyre size,load side	mm	φ85×70	φ85×70	φ85×70	φ85×70
	3.4	Auxiliary wheel size	mm	φ125×50	φ100×40	φ125×50	φ100×40
	3.5	Wheels, number operator load side(x=drive wheels)		1x+2 4	1x+2 4	1x+2 4	1x+2 4
	3.6	Tread,operator side	b10 (mm)	575	480	575	480
	3.7	Tread,load side	b11 (mm)	370	370	370	370
Dimensions	4.1	Lift height	h3 (mm)	125	125	125	125
	4.2	Fork height,lowered	h13 (mm)	85	85	85	85
	4.3	Overall length(fold the pedal)	L1 (mm)	1867	1776	1867	1776
	4.4	Overall length(unfold the pedal)	L1 (mm)	2299		2299	
	4.5	Overall width	b1 (mm)	800	750	800	750
	4.6	Fork size	s e L (mm)	64 170 1150	64 170 1150	64 170 1150	64 170 1150
	4.7	Outside fork width	b5 (mm)	540 680	540 680	540 680	540 680
	4.8	Ground clearance,center of wheelbase,min	m ² (mm)	25	25	25	25
	4.9	Min,right angle stacking aisle width 1000×1200 across forks	Ast (mm)	2435 ²⁾	2393 ²⁾	2435 ²⁾	2393 ²⁾
	4.10	Min,right angle stacking aisle width 800×1200 across forks	Ast (mm)	2322 ²⁾	2280 ²⁾	2322 ²⁾	2280 ²⁾
	4.11	Outer turning radius,min	Wa (mm)	1627 2040 ¹⁾	1585 ¹⁾	1627 2040 ¹⁾	1585 ¹⁾
Performance	5.1	Travel speed,laden/unladen	km/h	9.0 9.5	6.0 6.0	7.5 9.5	5.0 6.0
	5.2	Lift speed,laden/unladen	mm/s	47 65	47 65	36 55	36 65
	5.3	Lowering speed,laden/unladen	mm/s	75 70	73 70	60 58	60 70
	5.4	Max Gradeability,laden/unladen	%	10/16	10/20	8/16	8/20
Motor&Battery	6.1	Drive motor power	kW	2.2	1.5	2.2	1.5
	6.2	Lift motor power	kW	2.2	2.2	2.2	2.2
	6.3	Battery voltage,rated capacity	V/Ah	24 240	24 210	24 280	24 240
	6.4	Optional battery voltage,rated capacity	V/Ah	~24 340	~24 240	~24 340	~24 240
	7.1	Controller mode		curtis AC	curtis AC	curtis AC	curtis AC

Note: 1). When fork lowered,+68mm 2). When fork lowered,+40mm

Dimensions





Hi Range

1.2/1.4/1.6/2.0t Pallet Stacker

High Performance

- AC travelling motor applied to provide excellent acceleration, good gradeability, low heat, no carbon brush and maintenance free.
- The latest CURTIS AC control system provides accurate and stable control to work more efficient.
- The applied CAN-BUS structure to offer more reliable and faster command access.
- Regenerative brake and slope anti-slide function are offered by this truck.
- Stand-on type with high power drive motor, provides fast travel speed and good gradeability.

Reliability

- Four-pivot with low centre of gravity design and high strength steel frame structure chassis provide larger residual load capacity and longer working life.
- Water-proof plugs and connectors applied to provide a reliable protection to electric system.
- The adopted unique floating suspension system ensures good driving wheels grip and excellent.
- Top quality hydraulic power unit applied to provide low noise, low vibration, smooth lifting and landing reliable operation.
- Punch-formed forks to provide more strength and tip guide to provide higher efficient operation.
- H-type mast profile section to provide more stable and rigid performance.
- The power plug is fixed on the truck body to avoid damage from battery installment.
- Pedestrian type use the new design drive system, the drive motor will not accompany the tiller rotation, it can keep all the cable connect to the drive motor avoid being bent.
- Using non-contact proximity switch, it can provides long life and reliable operation.

Comfort

- The shock absorption design of foldable platform improves comfort greatly to the operator.
- The new designed floating suspension driving system, adjustable automatically with loads, offers the driving wheels sufficient power.
- Simple and beautiful tiller designed to operate all functions easily even by one hand.
- Displayed turtle speed function applied to move slowly and helps to stack goods in narrow spaces.
- Optimized designing structure to offer a good visibility and easy entrance of the pallet.
- The compact body and big rounded design provide an ideal operation in limited space, and the wedge designed chassis greatly increases the passing ability.
- Customer can choose different width of outside fork and length of forks to fit variable pallet.

Safety

- With three braking types: releasing brake, reversing brake and emergency brake, the driving safety has been ensured.
- The applied slope anti-slip function ensures the safety of the operation.
- The emergency button on the tiller head can effectively avoid the harm to the driver.
- Soft landing system applied to offer protection to the loads from damaging.
- Turning speed is automatically reduced when steering only for stand-on.
- Turtle speed function can keep the slow move when the tiller is vertical direction, the truck can stack goods even in narrow space.
- Travel speed will be automatically reduced after fork lifting 500mm.

Maintenance

- AC motor with no cabin brush, don't need maintenance, lower cost.
- Rear cover can be completely open, operator can see all the components, so the maintenance is very convenient.
- All shafts installed lubricated shaft sleeve and oil cup, provide convenient maintenance and long service life.

Standard Specifications

- Horn
- AC drive motor
- Battery
- PU drive wheel
- Tandem wheels
- Fork lift & lower adopts stepless speed regulating
- Pedal and handrail
- Soft landing system
- 1150mm fork length
- CURTIS AC controller
- Hydraulic power unit
- 570mm outside fork width
- Emergency disconnect switch
- Multi-function battery indicator
- CAN-bus system multi-function tiller
- Electric steering (stand on pallet stacker)

Options

- Load backrest
- Mast protection
- 240Ah, 340Ah battery
- Different width of outside fork
- Different mast lifting heights
- Cold store protection (-30°C)
- Side way battery change
- Different length of forks
- Overhead guard

High Range Pallet Stacker Mast Specification

1、1.2t/1.4t/1.6t

Mast type	Max Lifting Height h3	Ground clearance,fork (h3 +h13)	Lowered Height h1	Extended Height h4	Free lift
	mm	mm	mm	mm	mm
Double cylinder duplex wide view	2000	2090	1542	2542	90
	2500	2590	1792	3042	90
	2700	2790	1892	3242	90
	3000	3090	2042	3542	90
	3300	3390	2192	3842	90
	3500	3590	2292	4042	90
	3600	3690	2342	4142	90
	3800	3890	2442	4342	90
	4000	4090	2642	4642	90
Duplex full-free wide view	4300	4390	2792	4942	90
	2000	2090	1595	2595	1090
	2500	2590	1845	3095	1340
	2700	2790	1945	3295	1440
	3000	3090	2095	3595	1590
	3300	3390	2245	3895	1740
	3500	3590	2345	4095	1840
Triplex full-free wide view	3600	3690	2395	4195	1890
	3500	3590	1844	4214	1220
	3700	3790	1909	4409	1290
	4000	4090	2009	4709	1390
	4300	4390	2109	5009	1490
	4500	4590	2159	5159	1590
	4700	4790	2259	5459	1590
	5000	5090	2354	5744	1700
	5200	5290	2409	5909	1790

2、2.0t

Mast type	Max Lifting Height h3	Ground clearance,Fork (h3 +h13)	Lowered Height h1	Extended Height h4	Free lift
	mm	mm	mm	mm	mm
Double cylinder duplex wide view	2000	2090	1647	3647	90
	2500	2590	1897	3147	90
	2700	2790	1997	3347	90
	3000	3090	2147	3647	90
	3300	3390	2297	3947	90
	3500	3590	2397	4147	90
	3600	3690	2447	4247	90
Duplex full-free wide view	2000	2090	1700	2700	1090
	2500	2590	1950	3200	1340
	2700	2790	2050	3400	1440
	3000	3090	2200	3700	1590
	3300	3390	2350	4000	1740
	3500	3590	2450	4200	1840
	3600	3690	2500	4300	1890
Triplex full-free wide view	3500	3590	1944	4314	1130
	3700	3790	2009	4509	1200
	4000	4090	2109	4809	1300
	4300	4390	2209	5109	1400
	4500	4590	2259	5259	1500
	4700	4790	2359	5559	1500

Characteristics	Manufacturer		HANGCHA GROUP CO.,LTD.																
	1.1	Model		CDD12-AC1S	CDD12-AC1	CDD14-AC1S	CDD14-AC1	CDD16-AC1S	CDD16-AC1	CDD20-AC1S	CDD20-AC1	CDD12-AC1S-B	CDD12-AC1-B	CDD14-AC1S-B	CDD14-AC1-B	CDD16-AC1S-B	CDD16-AC1-B	CDD20-AC1S-B	CDD20-AC1-B
	1.2	Operator type		Stand-on	Pedestrian	Stand-on	Pedestrian	Stand-on	Pedestrian	Stand-on	Pedestrian	Stand-on	Pedestrian	Stand-on	Pedestrian	Stand-on	Pedestrian	Stand-on	Pedestrian
	1.3	Load capacity	Q (Kg)	1200	1200	1400	1400	1600	1600	2000	2000	1200	1200	1400	1400	1600	1600	2000	2000
	1.4	Load center	c (mm)	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
	1.5	Wheelbase	y (mm)	1405	1405	1405	1405	1425	1425	1425	1425	1405	1405	1405	1405	1425	1425	1425	1425
Weight	2.1	Service weight with battery	kg	1310	1177	1315	1182	1362	1215	1405	1258	1380	1247	1385	1252	1432	1285	1475	1328
Wheels&Tyres	3.1	Tyre type		PU	PU	PU	PU	PU	PU	PU	PU	PU	PU	PU	PU	PU	PU	PU	PU
	3.2	Tyre size,operator side	mm	φ230×75	φ230×75	φ230×75	φ230×75	φ230×75	φ230×75	φ230×75	φ230×75	φ230×75	φ230×75	φ230×75	φ230×75	φ230×75	φ230×75	φ230×75	φ230×75
	3.3	Tyre size,load side	mm	φ85×70	φ85×70	φ85×70	φ85×70	φ85×70	φ85×70	φ85×70	φ85×70	φ85×70	φ85×70	φ85×70	φ85×70	φ85×70	φ85×70	φ85×70	φ85×70
	3.4	Auxiliary wheel size	mm	140×55	140×55	140×55	140×55	140×55	140×55	140×55	140×55	140×55	140×55	140×55	140×55	140×55	140×55	140×55	140×55
	3.5	Wheels, number operator/load side(x=drive wheels)		1x+1/4	1x+1/4	1x+1/4	1x+1/4	1x+1/4	1x+1/4	1x+1/4	1x+1/4	1x+1/4	1x+1/4	1x+1/4	1x+1/4	1x+1/4	1x+1/4	1x+1/4	1x+1/4
	3.6	Tread,operator side	b10 (mm)	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525
	3.7	Tread,load side	b11 (mm)	385	385	385	385	385	385	385	385	1000/1170/1370	1000/1170/1370	1000/1170/1370	1000/1170/1370	1000/1170/1370	1000/1170/1370	1000/1170/1370	1000/1170/1370
Dimensions	4.1	Lift height	h3 (mm)	2700	2700	2700	2700	2700	2700	2700	2700	2700	2700	2700	2700	2700	2700	2700	2700
	4.2	Fork height,lowered	h13 (mm)	90	90	90	90	90	90	90	90	50	50	50	50	50	50	50	50
	4.3	Overall length(fold the pedal)	L1 (mm)	2075 ¹⁾	2025 ¹⁾	2075 ¹⁾	2025 ¹⁾	2095 ¹⁾	2045 ¹⁾	2095 ¹⁾	2045 ¹⁾	2030 ¹⁾	1980 ¹⁾	2030 ¹⁾	1980 ¹⁾	2050 ¹⁾	2000 ¹⁾	2050 ¹⁾	2000 ¹⁾
	4.4	Overall length(unfold the pedal)	L1 (mm)	2507 ¹⁾		2507 ¹⁾		2527 ¹⁾		2527 ¹⁾		2462 ¹⁾		2462 ¹⁾		2482 ¹⁾		2482 ¹⁾	
	4.5	Overall width	b1 (mm)	800	800	800	800	800	800	800	800	1100/1270/1470	1100/1270/1470	1100/1270/1470	1100/1270/1470	1100/1270/1470	1100/1270/1470	1100/1270/1470	1100/1270/1470
	4.6	Fork size	s/e/L (mm)	65/185/1150	65/185/1150	65/185/1150	65/185/1150	65/185/1150	65/185/1150	65/185/1150	65/185/1150	35/100/1070	35/100/1070	35/100/1070	35/100/1070	35/100/1070	35/100/1070	40/122/1070	40/122/1070
	4.7	Outside fork width	b5 (mm)	570/680	570/680	570/680	570/680	570/680	570/680	570/680	570/680	210-790	210-790	210-790	210-790	210-790	210-790	210-790	210-790
	4.8	Ground clearance,center of wheelbase,min	m ² (mm)	30	30	30	30	30	30	25	25	40	40	40	40	40	40	40	40
	4.9	Min,right angle stacking aisle width 1000×1200 across forks	Ast (mm)	2513 ¹⁾	2512 ¹⁾	2513 ¹⁾	2512 ¹⁾	2533 ¹⁾	2532 ¹⁾	2533 ¹⁾	2532 ¹⁾	2546 ¹⁾	2547 ¹⁾	2546 ¹⁾	2547 ¹⁾	2566 ¹⁾	2567 ¹⁾	2566 ¹⁾	2567 ¹⁾
	4.10	Min,right angle stacking aisle width 800×1200 across forks	Ast (mm)	2482 ¹⁾	2481 ¹⁾	2482 ¹⁾	2481 ¹⁾	2502 ¹⁾	2501 ¹⁾	2502 ¹⁾	2501 ¹⁾	2515 ¹⁾	2516 ¹⁾	2515 ¹⁾	2516 ¹⁾	2535 ¹⁾	2536 ¹⁾	2535 ¹⁾	2536 ¹⁾
	4.11	Outer turning radius,min	Wa (mm)	1642	1643	1642	1643	1662	1663	1662	1663	1642	1643	1642	1643	1662	1663	1662	1663
Performance	5.1	Travel speed,laden/unladen	km/h	7.0/7.0	6.0/6.0	7.0/7.0	6.0/6.0	7.0/7.0	5.0/6.0	7.0/7.0	5.0/6.0	7.0/7.0	6.0/6.0	7.0/7.0	6.0/6.0	7.0/7.0	5.0/6.0	7.0/7.0	5.0/6.0
	5.2	Lift speed,laden/unladen	mm/s	87/133	87/133	129/198	129/198	108/160	108/160	98/160	98/160	87/133	87/133	129/198	129/198	108/160	108/160	98/160	98/160
	5.3	Lowering speed,laden/unladen	mm/s	155/158	155/158	213/200	213/200	185/155	185/155	195/155	195/155	155/158	155/158	213/200	213/200	185/155	185/155	195/155	195/155
	5.4	Max Gradeability,laden/unladen	%	10/16	8/16	10/16	8/16	8/16	5/16	8/16	5/16	10/16	8/16	10/16	8/16	8/16	5/16	8/16	5/16
Motor&Battery	6.1	Drive motor power	kW	2.2	1.5	2.2	1.5	2.2	1.5	2.2	1.5	2.2	1.5	2.2	1.5	2.2	1.5	2.2	1.5
	6.2	Lift motor power	kW	2.2	2.2	3	3	3	3	3	3	2.2	2.2	3	3	3	3	3	3
	6.3	Steering motor power	kW	0.2		0.2		0.2		0.2		0.2		0.2		0.2		0.2	
	6.4	Battery voltage,rated capacity	V/Ah	24/280	24/240	24/280	24/240	24/340	24/280	24/340	24/280	24/280	24/240	24/280	24/240	24/340	24/280	24/340	24/280
		Optional battery voltage,rated capacity	V/Ah	~24/340	~24/340	~24/340	~24/340		~24/340		~24/340	~24/340	~24/340	~24/340	~24/340		~24/340		~24/340
7.1	Controller mode			curtis AC	curtis AC	curtis AC	curtis AC	curtis AC	curtis AC	curtis AC	curtis AC	curtis AC	curtis AC	curtis AC	curtis AC	curtis AC	curtis AC	curtis AC	

Note: 1)Triplex Mast+21mm

Dimensions

