

Model:
CDD10R-E
CDD12R-E
CDD15R-E

The super light Electric Walkie Stacker with small turning radius which is widely used in small warehouse and super market. Suit for low level stacking and short distance transportation.



Advantages:

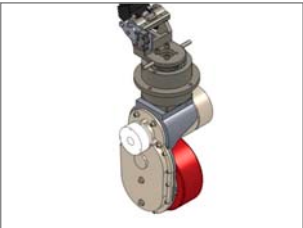
- Back cover is integrated type design , easy to assemble and maintain.
- Use GEL battery free to maintain.
- Built in charger easy to access to power supply.
- Low gravity design , 4 point design , improve the trucks stability.
- The drive unit have small turning radius, the motor and brake is very easy to replace.
- Compact design and small dimensions , offer excellent visibility.
- The turning radius and aisle width is very small and which is similar with manual stacker.



RUYI Tiller Head



4 point design, improve the trucks stability.



Floor type drive wheel



Option: Initial lifting with double-pallet function turn to P80

Super Compact



Electric Walkie Straddle Stacker



Model:
CTD10R-E
CTD12R-E
CTD15R-E

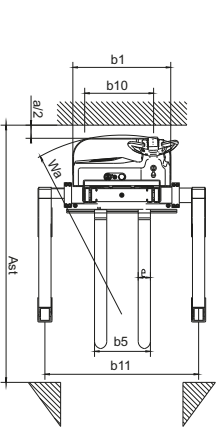
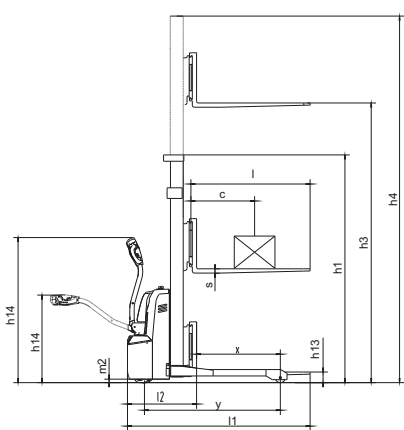
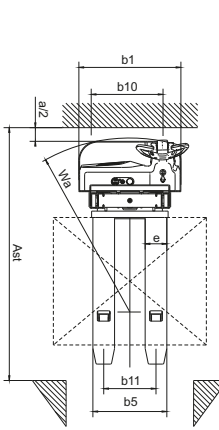
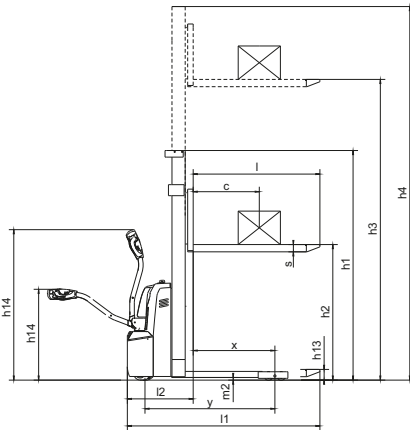
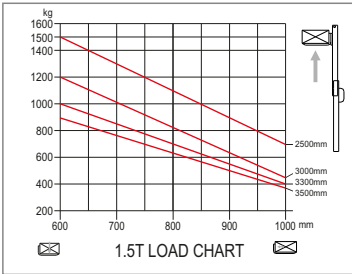
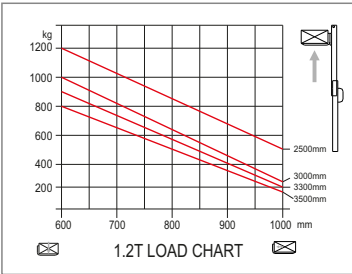
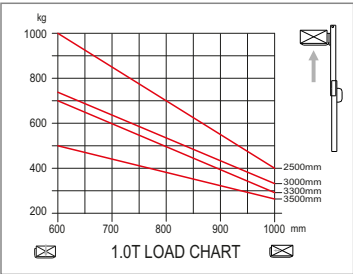
Straddle legs &
Adjustable forks



Hot
Sale

1KG=2.205LB 1INCH=25.40MM

	1.2 Manufacturer's type designation		CDD10R-E	CDD12R-E	CDD15R-E	CTD10R-E	CTD12R-E	CTD15R-E
			Electric	Electric	Electric	Electric	Electric	Electric
General Information	1.3 Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Pedestrian	Pedestrian	Pedestrian	Pedestrian	Pedestrian	Pedestrian
	1.4 Operator type: hand, pedestrian, standing, seated, order-picker		Pedestrian	Pedestrian	Pedestrian	Pedestrian	Pedestrian	Pedestrian
Weight	1.5 Rated capacity/rated load	Q (kg)	1000	1200	1500	1000	1200	1500
	1.6 Load centre distance	c (mm)	600	600	600	600	600	600
	1.8 Load distance, centre of drive axle to fork	x (mm)	741	741	741	800	800	800
	1.9 Wheelbase	y (mm)	1180	1180	1180	1350	1350	1350
Tyres	2.1 Service weight	kg	460/525/545/560/565	615/640/660/675/680	705/730/750/765/770	490/555/575	490/555/575	580/645/665
	2.2 Axle loading, laden front/rear	kg	515/1063	637/1233	647/1553	530/1140	550/1350	600/1715
	2.3 Axle loading, unladen front/rear	kg	405/145	508/162	518/182	485/185	500/200	560/225
Dimensions	3.1 Tyres: solid rubber, superelastic, pneumatic, polyurethane		PU			PU		
	3.2 Tyre size, front		Φ195x70			Φ195x70		
	3.3 Tyre size, rear		Φ80x70			Φ98x82		
	3.4 Additional wheels (dimensions)		Φ150x60			Φ150x60		
	3.5 Wheels, number front/rear (× = driven wheels)		1x+1/4			1x+1/2		
	3.6 Tread, front	b10 (mm)	523			523		
	3.7 Tread, rear	b11 (mm)	410/525			1066-1466		
Performance Data	4.2 Height, mast lowered	h1 (mm)	2090/1840/2090/2200/2340			2145/1895/2145/2295/2395		
	4.4 Max. lift height	h3 (mm)	1600/2500/3000/3300/3500			1600/2500/3000/3300/3500		
	4.5 Height, mast extended	h4 (mm)	2090/3060/3560/3860/4060			2145/3145/3645/3995/4145		
	4.9 Height drawbar in driving position min./max.	h14 (mm)	670/1300			670/1300		
	4.15 Height, lowered	h13 (mm)	90			70		
	4.19 Overall length	l1 (mm)	1748(1668)			1786/1866		
	4.20 Length to face of forks	l2 (mm)	598			717		
	4.21 Overall width	b1/b2 (mm)	800			1182-1582		
	4.22 Fork dimensions DIN ISO 2331	s / e / l (mm)	60/170/1150(1070)			35/100/1070(1150)		
	4.25 Fork spread	b5 (mm)	570/695			200-800		
	4.32 Ground clearance, centre of wheelbase	m2 (mm)	26	26	26	65		
	4.34.1 Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2218	2218	2218	2366		
Motors	4.34.2 Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2173	2173	2173	2300		
	4.35 Turning radius	Wa (mm)	1365	1365	1365	1530		
	5.1 Travel speed, laden/unladen	km/h	4.5/5	4.5/5	4.5/5	4.5/5		
	5.2 Lift speed, laden/unladen	m/s	0.11/0.14	0.09/0.14	0.08/0.14	0.11/0.14	0.09/0.14	0.08/0.14
	5.3 Lowering speed, laden/unladen	m/s	0.12/0.10	0.12/0.10	0.12/0.10	0.12/0.10	0.12/0.10	0.12/0.10
	5.7 Gradeability, laden/unladen	%	6/15	6/15	6/15	6/15	6/15	6/15
Additional Data	5.8 Max. gradeability, laden/unladen	%	6/15	6/15	6/15	6/15	6/15	6/15
	5.10 Service brake		Electromagnetic			Electromagnetic		
	6.1 Drive motor rating S2 60 min	kW	0.65	0.65	0.65	0.65	0.65	0.65
	6.2 Lift motor rating at S3 15%	kW	2.2	2.2	2.2	2.2	2.2	2.2
Additional Data	6.4 Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/105(125)	24/105(125)	24/125	24/105(125)	24/105(125)	24/125
	6.5 Battery weight	kg	52(70)	52(70)	70	52(70)	52(70)	70
Additional Data	10.7 Sound pressure level at the driver's seat	dB (A)	70	70	70	70	70	70



CDD10R-E/CDD12R-E/CDD15R-E

CTD10R-E/CTD12R-E/CTD15R-E

Model:
CDD15R-EN



Standard handle



Emergency stop,
Key switch, Hour meter



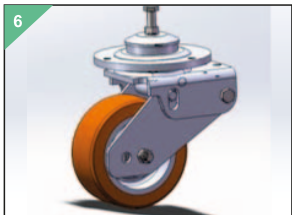
Upper horizontal drive
motor to make replacing
driving wheel easier



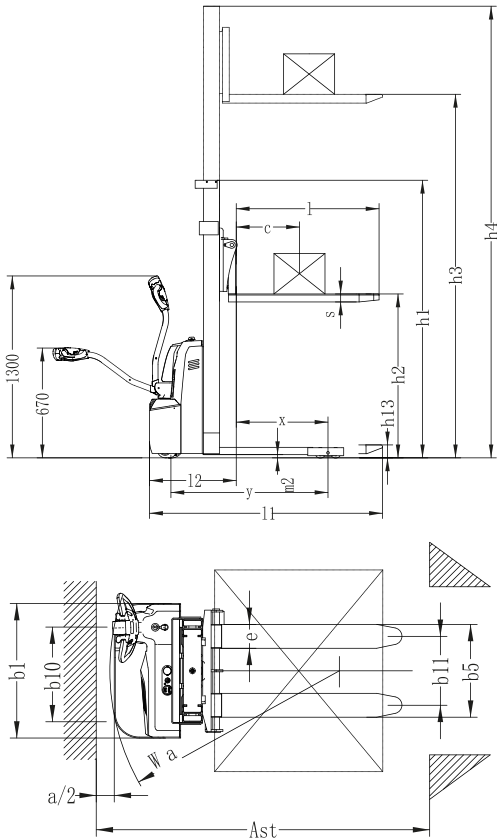
Fixed legs with adjustable forks



4-point design, improve
the trucks' stability

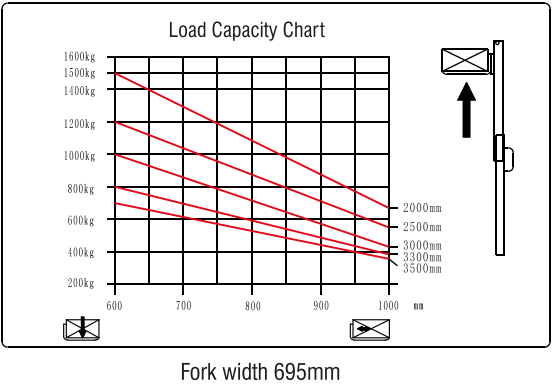
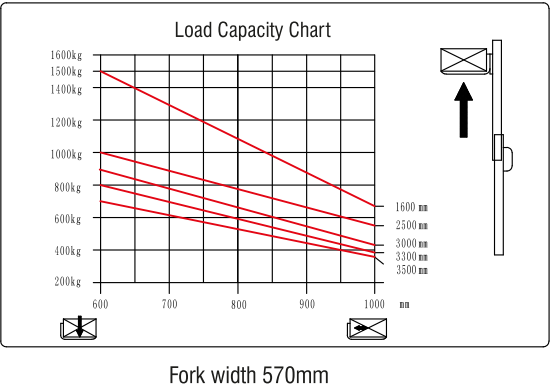


- 1) Big size of balance wheel 150mm*65mm
2) Easier to go through the rough floor
3) Convenient to adjust the height



1KG=2.205LB 1INCH=25.40MM

General Information	1.2	Model	CDD15R-EN
	1.3	Drive type	Electric
	1.4	Operator type	Pedestrian
	1.5	Load capacity	Q (kg) 1500
	1.6	Load centre distance	c (mm) 600
	1.8	Load distance, centre of drive axle to fork	x (mm) 688
Weight	1.9	Wheelbase	y (mm) 1180
	2.1	Service weight	kg 550
	2.2	Axle loading, laden front/rear	kg 555/1495
Tyres	2.3	Axle loading, unladen front/rear	kg 405/145
	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane	PU
	3.2	Tyre size, front	Φ195x70
	3.3	Tyre size, rear	Φ80x93
	3.4	Additional wheels (dimensions)	Φ150x47
	3.5	Wheels, number front/rear (× = driven wheels)	1x+1/2
	3.6	Tread, front	b10 (mm) 523
	3.7	Tread, rear	b11 (mm) 410/525
Dimensions	4.2	Height, mast lowered	h1 (mm) 2090/1840/2090/2200/2340
	4.3	Free lift	h2 (mm) N/A
	4.4	Max. Lift height	h3 (mm) 1600/2500/3000/3300/3500
	4.5	Height, mast extended	h4 (mm) 2090/3060/3560/3860/4060
	4.9	Height of tiller in drive position min./max.	h14 (mm) 670/1300
	4.15	Lowered fork height	h13 (mm) 90
	4.19	Overall length	l1 (mm) 1800 /1720
	4.20	Length to face of forks	l2 (mm) 598
	4.21	Overall width	b1/b2 (mm) 800
	4.22	Fork dimension	s / e / l (mm) 60x142x1150(1070)
	4.25	Width overall forks	b5 (mm) 300-570(695)
	4.32	Ground clearance, centre of wheelbase	m2 (mm) 26
	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast (mm) 2245
	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast (mm) 2220
	4.35	Turning radius	Wa (mm) 1365
Performance Data	5.1	Travel speed, laden/unladen	km/h 4.5/5
	5.2	Lift speed, laden/unladen	m/s 0.09/0.16
	5.3	Lowering speed, laden/unladen	m/s 0.19/0.11
	5.7	Gradeability, laden/unladen	% 6/15
Motors	5.10	Service brake	Electromagnetic
	6.1	Drive motor rating S2 60 min	kW 0.65
	6.2	Lift motor rating at S3 15%	kW 2.2
	6.4	Battery voltage/nominal capacity K5	(V)/(Ah) or kWh 24/105
	6.5	Battery weight	kg 52
Additional Data	10.7	Sound pressure level at the driver's seat	dB (A) 70



Model: CDDR15

Walkie type electric stacker provides a cost effective solution for applications involving medium lifting storage and short distance pallets transportation.



Conforms to EN ISO3691-1
EN1175-1
EN16307-1
Based on Directive 2006/42/EC
Conform to EN Standard 12895
Based on directive: 2014/30/EU (EMC)



AC



* photo shown with model
CDDR15-II with free lifting

Advantages: (CDDR15-I/CDDR15-II)

STRUCTURAL AND SAFETY:

- Advanced AC control system Intelligentized regenerative brake system.
- Multi-function display with BDI and hour meter etc.
- Emergency reversing device.
- Auto deceleration system utilizes regenerative braking.
- Built-in pressure relief valve protects the trucks from overloads.
- Emergency power disconnect .
- Stepless speed control.
- With lifting limit switch to shut off pump motor at the max. lifting height.
- Vertical drive motor has a small turning radius. The motor structure is water-proof and dust-proof.

SERVICEABILITY:

- CANbus technology reduces wiring complexity and increase reliability.
- Advanced AC control system with brushless motor.
- Auto deceleration system utilises regenerative braking.
- Side-way battery with roll-out system is very convenient for replacement.

OPTIMUM STRUCTURAL DESIGN:

- Low barycenter ensures the stable operation.
- Vertical driving wheel ensures convenient maintenance and small turning radius. Water-proof and dust-proof motor structure, keeps the braking and motor more durable and reliable.
- The mast and the frame are dividable and exchangeable.
- Full free lifting, fit for low roof house. (3M lift height truck can enter into a 2M door)



CDDR15-III mast



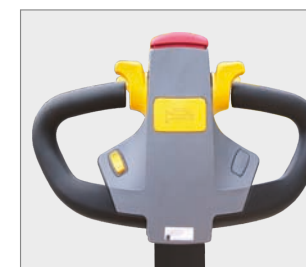
Vertical Drive Wheel



Option: Initial lifting with
double-pallet function turn
to P74



RUYI Handle
(standard for CDDR-III)



Frei tiller head with one
side lifting button (option)



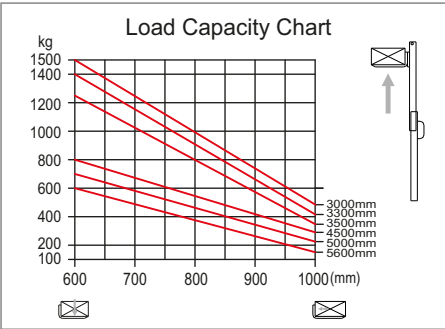
Germany Tiller Head with
big buttons (Option for
CDDR15-I proportional lifting)

Electric Walkie Stacker

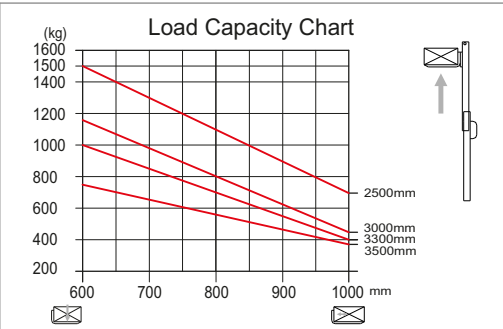


* photo shown is model CDDR15-III
without free lifting

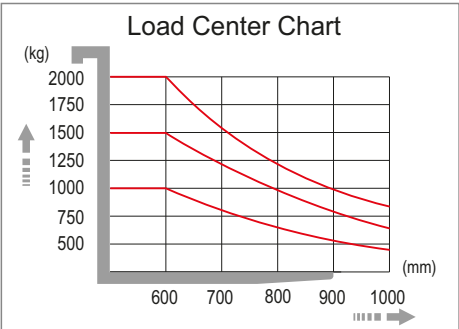
Model	Remarks
CDDR15- I	High configuration with proportional valve
CDDR15- II	Standard configuration
CDDR15- III	Light duty type



CDDR15-I/CDDR15-II

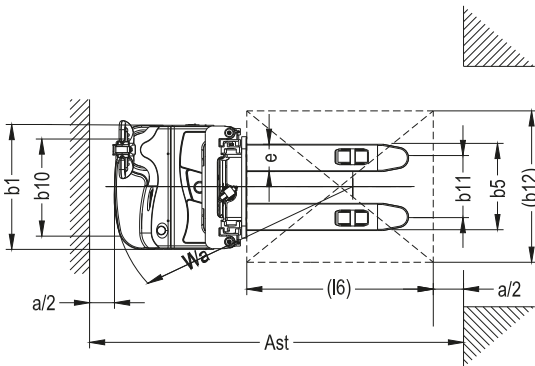
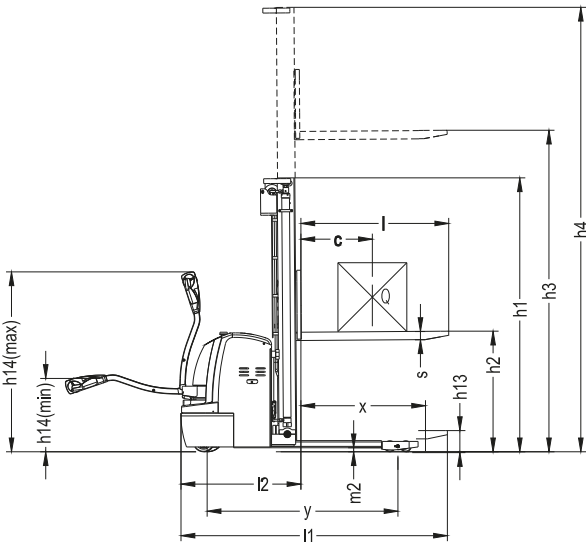


CDDR15-III



		1KG=2.205LB		1INCH=25.40MM	
General Information	1.2 Manufacturer's type designation		CDDR15- I	CDDR15- II	CDDR15- III
	1.3 Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Electric	Electric	Electric
	1.4 Operator type: hand, pedestrian, standing, seated, order-picker		Pedestrian	Pedestrian	Pedestrian
	1.5 Rated capacity/rated load	Q (kg)	1500	1500	1500
	1.6 Load centre distance	c (mm)	600	600	600
Weight	1.8 Load distance, centre of drive axle to fork	x (mm)	697	697	770
	1.9 Wheelbase	y (mm)	1383	1383	1410
Tyres	2.1 Service weight	kg	1190/1240/1250/1340/1420/1450/1580	1140/1190/1200/1290/1370/1400/1530	760/810/835/860
	2.2 Axle loading, laden front/rear	kg	1430/1270	1400/1250	1280/1070
	2.3 Axle loading, unladen front/rear	kg	843/356	820/330	650/200
	3.1 Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane		Polyurethane
	3.2 Tyre size, front		Φ250x70		Φ250x70
Dimensions	3.3 Tyre size, rear		Φ80x84		Φ80x70
	3.4 Additional wheels (dimensions)		Φ150x60		Φ150x60
	3.5 Wheels, number front/rear (x = driven wheels)		1x+1/4		1x+1/4
	3.6 Tread, front	b10 (mm)	520		520
	3.7 Tread, rear	b11 (mm)	405/530		400/525
Performance Data	4.2 Height, mast lowered	h1 (mm)	1735/1985/2135/2235/2050/2210/2410		2087/1837/2087/2237
	4.3 Free lift	h2 (mm)	1300/1550/1700/1800/1570/1740/1940		N/A
	4.4 Max. lift height	h3 (mm)	2500/3000/3300/3500/4500/5000/5600		1600/2500/3000/3300
	4.5 Height, mast extended	h4 (mm)	2955/3455/3755/3955/5030/5510/6110		5030/5510/6110
	4.9 Height drawbar in driving position min./max.	h14 (mm)	670/1300		670/1300
	4.10 Height of wheel arms	h8 (mm)	81		81
	4.15 Height, lowered	h13 (mm)	90		90
	4.19 Overall length	l1 (mm)	1948(2028)		1948(2028)
	4.20 Length to face of forks	l2 (mm)	878		905
	4.21 Overall width	b1/b2 (mm)	820		820
	4.22 Fork dimensions DIN ISO 2331	s / e / l (mm)	60/180/1070(1150)		60/170/1070(1150)
	4.25 Fork spread	b5 (mm)	570/695		570/695
	4.32 Ground clearance, centre of wheelbase	m2 (mm)	31		26
	4.34.1 Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2450		2480
	4.34.2 Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2420		2450
Motors	4.35 Turning radius	Wa (mm)	1575		1605
	5.1 Travel speed, laden/unladen	km/h	5.8/6.0		5.8/6.0
	5.2 Lift speed, laden/unladen	m/s	0-0.16/0-0.24		0.11/0.16
	5.3 Lowering speed, laden/unladen	m/s	0-0.39/0-0.26		0.14/0.19
	5.8 Max. gradeability, laden/unladen	%	8/15		8/15
Additional Data	5.10 Service brake		Electromagnetic		Electromagnetic
	6.1 Drive motor rating S2 60 min	kW	1.5(AC)		1.2(AC)
	6.2 Lift motor rating at S3 15%	kW	3.2		2.2
	6.4 Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/300		24/240
	6.5 Battery weight	kg	260		160
Additional Data	10.7 Sound pressure level at the driver's seat	dB (A)	70		70

* Option: Lithium battery 125AH (Charger 24V/50A)
Lithium battery 230AH (Charger 24V/100A)



Electric Walkie Straddle Stacker



Model:
CTDR15

Straddle legs with
adjustable forks

AC

Advantages: (CTDR15-I/CTDR15-II)

STRUCTURAL AND SAFETY:

- Advanced AC control system intelligented regenerative brake system.
- Multi-function display with BDI and hour meter.
- Emergency reversing device.
- Auto deceleration system utilizes regenerative braking.
- Built-in pressure relief valve protects the trucks from overloads.
- Emergency power disconnect switch.
- Stepless speed control.
- With lifting limit switch to shut off pump motor at top max. lifting height.
- Small turning radius standing drive motor system, water-proof and dust-proof motor structure.

SERVICEABILITY:

- Technology reduces wiring complexity.
- Side-way battery with roll-out system, convenient for replacement.



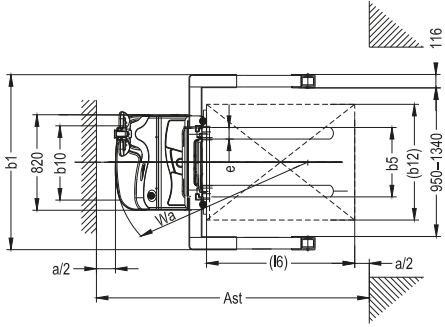
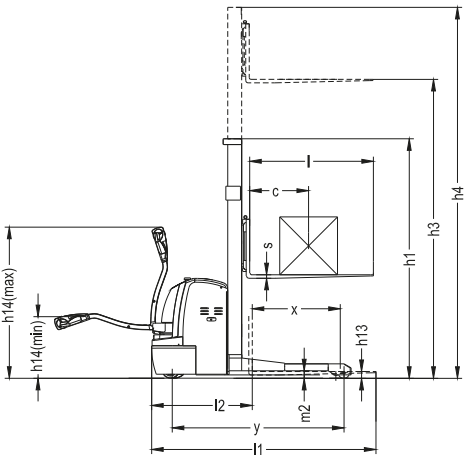
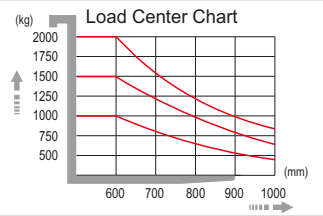
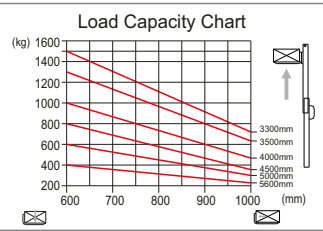
Model	Remarks
CTDR15- I	High configuration with proportional valve
CTDR15- II	Standard configuration
CTDR15- III	Light duty type



* photo show with model CTDR15-III
with duplex mast

1KG=2.205LB 1INCH=25.40MM

	1.2 Manufacturer's type designation		CTDR15- I	CTDR15- II	CTDR15- III	CTDR15- III
General Information	1.3 Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Electric	Electric	Electric	Electric
	1.4 Operator type: hand, pedestrian, standing, seated, order-picker		Pedestrian	Pedestrian	Pedestrian	Pedestrian
Weight	1.5 Rated capacity/rated load	Q (kg)	1500	1500	1500	1500
	1.6 Load centre distance	c (mm)	600	600	600	600
	1.8 Load distance, centre of drive axle to fork	x (mm)	677	677	795	779
	1.9 Wheelbase	y (mm)	1420	1420	1460	1539
	2.1 Service weight	kg	1090/1210/1230/1250/1415/1460/1500	1040/1160/1170/1200/1375/1410/1450	940/960/980/1005	1315/1350/1390
Tyres	2.2 Axle loading, laden front/rear	kg	1430/1280	1408/1250	1340/1120	1506/1344
	2.3 Axle loading, unladen front/rear	kg	860/350	827/333	734/226	963/387
	3.1 Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane		Polyurethane	Polyurethane
	3.2 Tyre size, front		Φ250x70		Φ250x70	Φ250x70
	3.3 Tyre size, rear		Φ80x84		Φ98x82	Φ98x82
Dimensions	3.4 Additional wheels (dimensions)		Φ150x60		Φ150x60	Φ150x60
	3.5 Wheels, number front/rear (x = driven wheels)		1x+1/4		1x+1/2	1x+1/2
	3.6 Tread, front	b10 (mm)	520		520	520
	3.7 Tread, rear	b11 (mm)	1040/1430		1066/1466	1066/1466
	4.2 Height, mast lowered	h1 (mm)	1805/2055/2205/2305/2120/2280/2480		2145/1895/2145/2295	2120/2280/2480
	4.3 Free lift	h2 (mm)	1300/1550/1700/1800/1570/1740/1940		N/A	1570/1740/1940
	4.4 Max. lift height	h3 (mm)	2500/3000/3300/3500/4500/5000/5600		1600/2500/3000/3300	4500/5000/5600
	4.5 Height, mast extended	h4 (mm)	3025/3525/3825/4025/5080/5560/6160		2145/3145/3645/3945	5060/5560/6160
	4.9 Height drawbar in driving position min./max.	h14 (mm)	670/1300		670/1300	670/1300
	4.10 Height of wheel arms	h8 (mm)	86		125	125
Performance Data	4.15 Height, lowered	h13 (mm)	70		70	70
	4.19 Overall length	l1 (mm)	1980(2060)		2015(2095)	2020(2100)
	4.20 Length to face of forks	l2 (mm)	915		970	950
	4.21 Overall width	b1/b2 (mm)	1170/1560		1182/1582	1182/1582
	4.22 Fork dimensions DIN ISO 2331	s / e / l (mm)	35/100/1070(1150)		35/100/1070(1150)	35/100/1070(1150)
	4.25 Fork spread	b5 (mm)	200-800		200-800	200-800
	4.32 Ground clearance, centre of wheelbase	m2 (mm)	35		35	35
	4.34.1 Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2480		2530	2569
	4.34.2 Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2465		2500	2475
	4.35 Turning radius	Wa (mm)	1610		1655	1730
Motors	5.1 Travel speed, laden/unladen	km/h	5.8/6.0		5.8/6.0	5.8/6.0
	5.2 Lift speed, laden/unladen	m/s	0-0.16/0-0.24		0.11/0.16	0.09/0.16
	5.3 Lowering speed, laden/unladen	m/s	0-0.39/0-0.26		0.14/0.19	0.15/0.16
	5.8 Max. gradeability, laden/unladen	%	8/15		8/15	6/15
	5.10 Service brake		Electromagnetic		Electromagnetic	Electromagnetic
Additional Data	6.1 Drive motor rating S2 60 min	kW	1.5(AC)		1.2(AC)	1.2(AC)
	6.2 Lift motor rating at S3 15%	kW	3.2		3	2.2
	6.4 Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/300		24/240	24/200
	6.5 Battery weight	kg	260		220	160
Additional Data	10.7 Sound pressure level at the driver's seat	dB (A)	70		70	70



Model:
CDDK15

Overall forks

Hot
Sale



AC

EPS
(Option)

* photo shown with model
CDDK15-II with free lifting



Initial lifting with double-pallet
function turn to P78



Conforms to EN ISO3691-1
EN1175
EN16307-1
Based on Directive 2006/42/EC
Conform to EN Standard 12895
Based on directive: 2014/30/EU (EMC)

Advantages: (CDDK15-I/CDDK15-II)

SAFETY AND PRODUCTIVITY

- AC Motor eliminates carbon brush replacement.
- Multi-function display with BDI and hour meter.
- Side way battery is easy to maintain.
- Damping cushion for low-noise operation.
- Emergency reversing device equipped handle to keep safe.
- Auto deceleration function makes operation more safely.
- Built-in pressure relief valve protects the trucks from overloads, increases the reliability.
- With brake in handle upright and horizontal position, increasing the safety of the truck.
- Emergency power disconnect switch.
- Turtle-shaped low speed switch.
- Stepless speed control.

OPTIMUM STRUCTURAL DESIGN

- Low barycenter ensures the stable operation.
- Vertical driving wheel ensures convenient maintenance and small turning radius. Water-proof and dust-proof motor structure, keeps the braking and motor more durable and reliable.
- The mast and the frame are dividable and exchangeable.
- Full free lifting, fit for low roof house. (3M lift height truck can enter into a 2M door)

SERVICEABILITY

- Low voltage protection setting prolongs the battery life time.
- The electronic components' concentrated design simplifies the circuit and makes easily assemble, debug and maintain.

Model	Remarks
CDDK15- I	High configuration with proportional valve
CDDK15- II	Standard configuration
CDDK15- III	Light duty type

Electric Pallet Truck

Electric Stacker

Order Picker

Narrow Aisle Truck

Electric Tow Tractor

Hand Pallet Truck

Manual Stacker

Lift Table

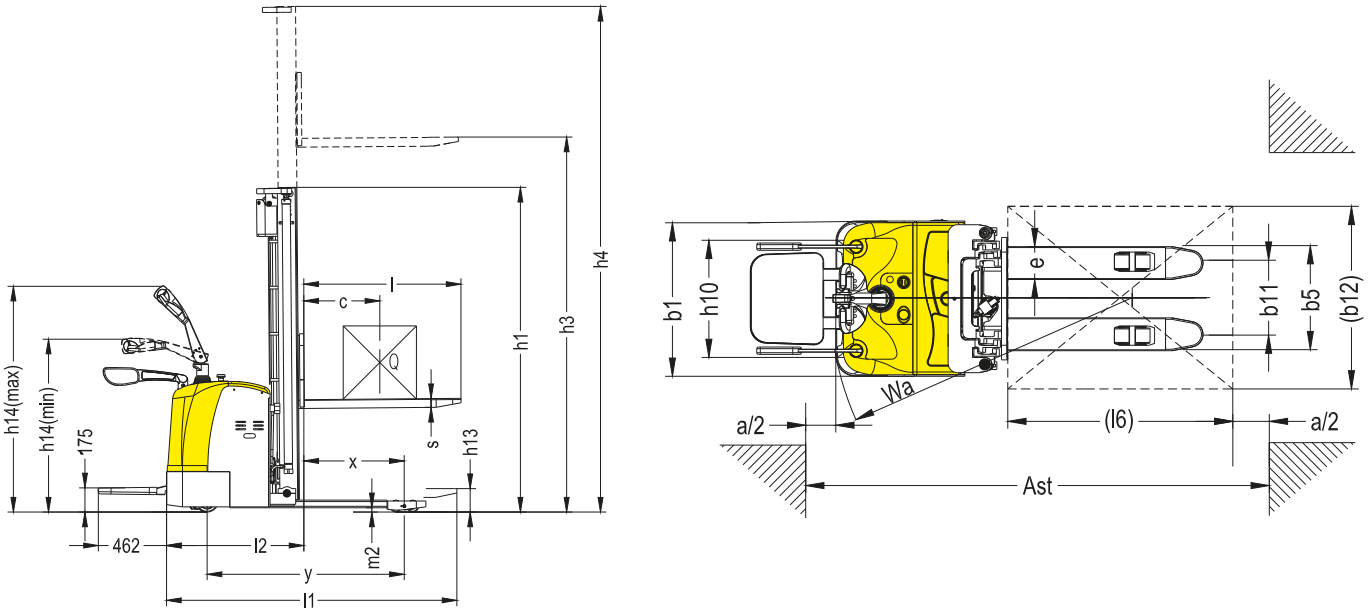
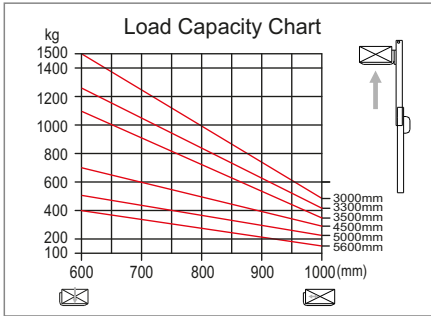
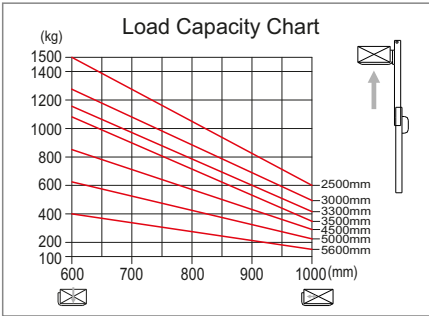
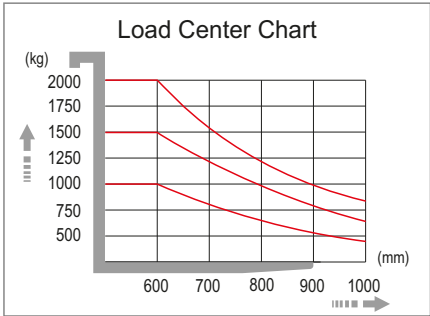
1KG=2.205LB 1INCH=25.40MM

General Information	1.2	Manufacturer's type designation		CDDK15- I	CDDK15- II
	1.3	Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Electric	Electric
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Standing	Standing
	1.5	Rated capacity/rated load	Q (kg)	1500	1500
	1.6	Load centre distance	c (mm)	600	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	672	697
Weight	1.9	Wheelbase	y (mm)	1378	1378
	2.1	Service weight	kg	1330/1340/1350/1370/1530/1560/1595	1140/1190/1200/1290 1370/1400/1530
	2.2	Axle loading, laden front/rear	kg	1830/1140	1830/1140
Tyres	2.3	Axle loading, unladen front/rear	kg	1040/470	1040/470
	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane	Polyurethane
	3.2	Tyre size, front		Φ250x70	Φ250x70
	3.3	Tyre size, rear		Φ80x84	Φ80x84
	3.4	Additional wheels (dimensions)		Φ150x60	Φ150x60
	3.5	Wheels, number front/rear (x = driven wheels)		1x+1/4	1x+1/4
	3.6	Tread, front	b10 (mm)	580	580
Dimensions	3.7	Tread, rear	b11 (mm)	404/530	404/530
	4.2	Height, mast lowered	h1 (mm)	1735/1985/2135/2235/2050/2210/2410	1735/1985/2135/2235 2050/2210/2410
	4.3	Free lift	h2 (mm)	1300/1550/1700/1800/1570/1740/1940	1300/1550/1700/1800 1570/1740/1940
	4.4	Max. lift height	h3 (mm)	2500/3000/3300/3500/4500/5000/5600	2500/3000/3300/3500 4500/5000/5600
	4.5	Height, mast extended	h4 (mm)	2955/3455/3755/3955/5030/5510/6110	2955/3455/3755/3955 5030/5510/6110
	4.9	Height drawbar in driving position min./max.	h14 (mm)	1150/1450	
	4.10	Height of wheel arms	h8 (mm)	81	
	4.15	Height, lowered	h13 (mm)	90	
	4.19	Overall length	l1 (mm)	2020(2100)	
	4.20	Length to face of forks	l2 (mm)	950	
	4.21	Overall width	b1/b2 (mm)	850	
	4.22	Fork dimensions DIN ISO 2331	s / e / l (mm)	60/180/1070(1150)	
	4.25	Fork spread	b5 (mm)	570/695	
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	31	
	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2535	
	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2515	
	4.35	Turning radius	Wa (mm)	1655	
Performance Data	5.1	Travel speed, laden/unladen	km/h	7.0/7.1	
	5.2	Lift speed, laden/unladen	m/s	0.0-0.16/0-0.24 0.11/0.16	
	5.3	Lowering speed, laden/unladen	m/s	0.0-0.39/0-0.26 0.14/0.19	
	5.8	Max. gradeability, laden/unladen	%	8/15 8/15	
	5.10	Service brake		Electromagnetic Electromagnetic	
Motors	6.1	Drive motor rating S2 60 min	kW	1.5(AC) 1.2(AC)	
	6.2	Lift motor rating at S3 15%	kW	3.2 3.0	
	6.4	Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/300 24/240 24/300	
	6.5	Battery weight	kg	260 220 260	
Additional Data	10.7	Sound pressure level at the driver's seat	dB (A)	70 70	

*The weight shown is for 240AH battery.

*Option: With EPS the drive wheel size is 250x80mm

Li-ion Lithium battery 225AH (Charger 24V/230AH)



Electric Rider Straddle Stacker



Advantages:

SAFETY AND PRODUCTIVITY

- AC Motor eliminates replacement of carbon brush.
- Multi-function display with BDI and hour meter.
- Side way battery is easy to maintain.
- Damping cushion for low-noise operation;
- Emergency reversing device in the handle provides higher safety for the whole operation.
- Auto deceleration function makes operation more safely.
- Built-in pressure relief valve protects the trucks from overloads, increases the reliability.
- Braking applied with handle upright and horizontal position, increasing the safety of the truck.
- Emergency power disconnect switch.
- Turtle low speed switch.
- Stepless speed control.

OPTIMUM STRUCTURAL DESIGN:

- Low center of gravity ensures the stable operation.
- Vertical driving wheel ensures convenient maintenance and small turning radius. Water-proof and dust-proof motor structure, keeps the braking and motor more durable and reliable.
- The mast and the frame are dividable and exchangeable.



Model:
CTDK15

Straddle legs
& adjustable
forks

AC

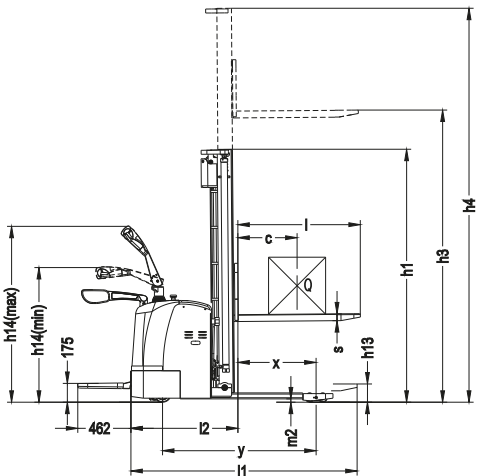
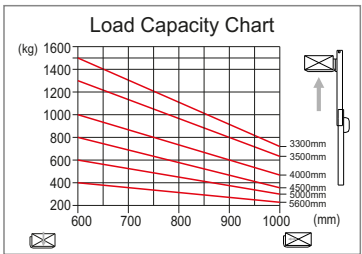
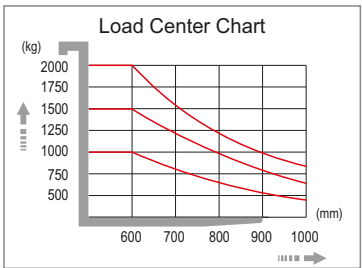
EPS
(Option)

* photo shown with model
CTDK15-II with duplex mast

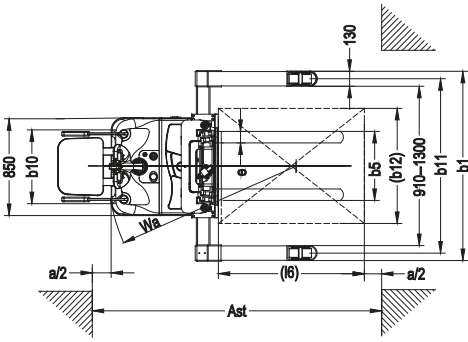
1KG=2.205LB 1INCH=25.40MM

General Information	1.2 Manufacturer's type designation	CTDK15- I		CTDK15- II		CTDK15- III	CTDK15- III
		Electric		Electric		Electric	Electric
1.3 Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Standing		Standing		Standing	Standing
1.4 Operator type: hand, pedestrian, standing, seated, order-picker							
1.5 Rated capacity/rated load	Q (kg)	1500		1500		1500	1500
1.6 Load centre distance	c (mm)	600		600		600	600
1.8 Load distance, centre of drive axle to fork	x (mm)	677		677		795	795
1.9 Wheelbase	y (mm)	1415		1415		1460	1460
Weight	2.1 Service weight	kg	1260/1285/1300/1310/1360/1380/1400	1260/1285/1300/1310	1360/1380/1400	940/960/980/1005	
	2.2 Axle loading, laden front/rear	kg	1830/1180				1340/1120
	2.3 Axle loading, unladen front/rear	kg	1040/470				734/226
Tyres	3.1 Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane		Polyurethane		Polyurethane
	3.2 Tyre size, front		Φ250x70		Φ250x70		Φ250x70
	3.3 Tyre size, rear		Φ80x84		Φ98x82		Φ98x82
	3.4 Additional wheels (dimensions)		Φ150x60		Φ150x60		Φ150x60
	3.5 Wheels, number front/rear (x = driven wheels)		1x+1/4		1x+2/2		1x+2/2
	3.6 Tread, front	b10 (mm)	580		586		586
Dimensions	3.7 Tread, rear	b11 (mm)	1040/1430		410/525		410/525
	4.2 Height, mast lowered	h1 (mm)	1805/2055/2205/2305/2120/2280/2480	1805/2055/2205/2305	2120/2280/2480	2145/1895/2145/2295/2395	2120/2280/2480
	4.3 Free lift	h2 (mm)	1300/1550/1700/1800/1570/1740/1940	1300/1550/1700/1800	1570/1740/1940	N/A	1570/1740/1940
	4.4 Max. lift height	h3 (mm)	2500/3000/3300/3500/4500/5000/5600	2500/3000/3300/3500	4500/5000/5600	1600/2500/3000/3300/3500	4500/5000/5600
	4.5 Height, mast extended	h4 (mm)	3025/3525/3825/4025/5080/5560/6160	3025/3525/3825/4025	5080/5560/6160	2145/3145/3645/3995/4145	5060/5560/6160
	4.9 Height drawbar in driving position min./max.	h14 (mm)	1150/1450		670/1300		670/1300
	4.10 Height of wheel arms	h8 (mm)	86		125		125
	4.15 Height, lowered	h13 (mm)	70		70		70
	4.19 Overall length	l1 (mm)	2020(2100)		2055(2135)		2055(2135)
	4.20 Length to face of forks	l2 (mm)	962		970		970
	4.21 Overall width	b1/b2 (mm)	1170/1560		1182/1582		1182/1582
	4.22 Fork dimensions DIN ISO 2331	s / e / l (mm)	35/100/1070(1150)		35/100/1070(1150)		35/100/1070(1150)
	4.25 Fork spread	b5 (mm)	200-800		200-800		200-800
	4.32 Ground clearance, centre of wheelbase	m2 (mm)	35		65		65
Performance Data	4.34.1 Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2565		2670		2670
	4.34.2 Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2545		2585		2585
	4.35 Turning radius	Wa (mm)	1695		1850		1850
	5.1 Travel speed, laden/unladen	km/h	7.0/7.1		6.5/6.7		6.5/6.7
	5.2 Lift speed, laden/unladen	m/s	0-0.16/0-0.24		0.09/0.16		0.09/0.16
Motors	5.3 Lowering speed, laden/unladen	m/s	0-0.39/0-0.26		0.15/0.16		0.15/0.16
	5.8 Max. gradeability, laden/unladen	%	8/15		6/15		6/15
	5.10 Service brake		Electromagnetic		Electromagnetic		Electromagnetic
	6.1 Drive motor rating S2 60 min	kW	1.5(AC)		1.5(AC)		1.5(AC)
	6.2 Lift motor rating at S3 15%	kW	3		2.2		2.2
Additional Data	6.4 Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/300	24/240	24/300	24/200	24/200
	6.5 Battery weight	kg	260	220	260	160	160
	10.7 Sound pressure level at the driver's seat	dB (A)	70		70		70

*Option: With EPS the drive wheel size is 250x80mm.



Model	Remarks
CTDK15- I	High configuration with proportional valve
CTDK15- II	Standard configuration
CTDK15- III	Light duty type



Electric Rider Stacker



Model:
CDDK20
Heavy Duty



Conforms to EN ISO3691-1
EN1175-1
EN16307-1
Based on Directive 2006/42/EC



* photo shown for CDDK20 triplex mast

Advantages:

Safety And Productivity

- AC Motor eliminates replacement of carbon brush.
- Multi-function display with BDI and hour meter.
- Side way battery is easy to maintain.
- Damping cushion for low-noise operation;
- Emergency reversing device in the handle provides higher safety for the whole operation.
- Auto deceleration function makes operation more safely.
- Built-in pressure relief valve protects the trucks from overloads, increases the reliability.
- Braking applied with handle upright and horizontal position, increasing the safety of the truck.
- Emergency power disconnect switch.
- Turtle-shaped low speed switch.
- Stepless speed control.
- Supporting legs in both sides for triplex mast (Duplex mast without supporting legs).

Optimum Structural Design

- Low center of gravity ensures the stable operation.
- Vertical driving wheel ensures convenient maintenance and small turning radius. Water-proof and dust-proof motor structure, keeps the braking and motor more durable and reliable.
- The mast and the frame are dividable and exchangeable.
- Full free lifting, fit for working in low roof house.

Serviceability

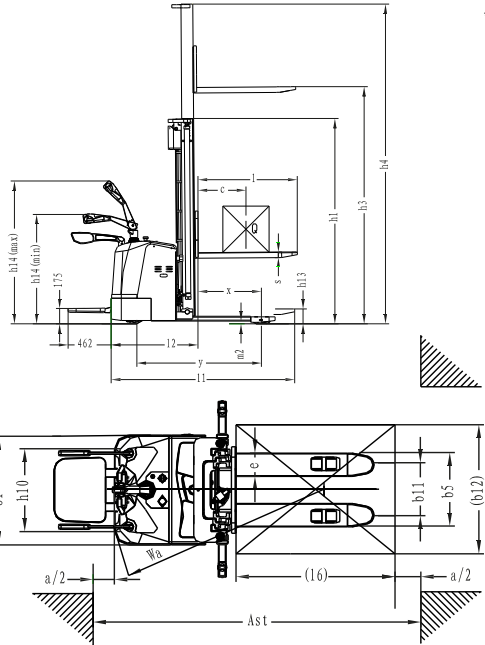
- Low voltage protection setting prolongs the battery life time.
- The electronic components' concentrated design simplify the circuit and makes easy access to assemble, debug and maintain.
- CANbus technology reduces wiring complexity and increase reliability.
- Hall element reduces wear components, resulting in increased component life.

AC

EPS

1KG=2.205LB 1INCH=25.40MM

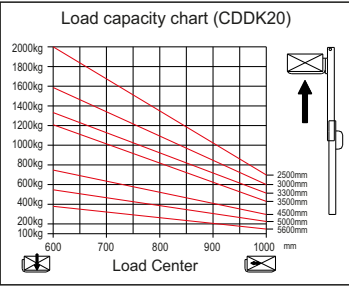
General Information	1.2 Manufacturer's type designation		CDDK20	CDDK20
	1.3 Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Electric	Electric
Weight	1.4 Operator type: hand, pedestrian, standing, seated, order-picker		Standing	Standing
	1.5 Rated capacity/rated load	Q (kg)	2000	2000
	1.6 Load centre distance	c (mm)	600	600
Tyres	1.8 Load distance, centre of drive axle to fork	x (mm)	672	672
	1.9 Wheelbase	y (mm)	1378	1408
	2.1 Service weight	kg	1280/1320/1350/1640/1680/1720/2020	1850
Dimensions	2.2 Axle loading, laden front/rear	kg	1890/1660	2090/1760
	2.3 Axle loading, unladen front/rear	kg	1070/480	1270/580
	3.1 Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane	Polyurethane
Performance Data	3.2 Tyre size, front		Φ250x80	Φ250x80
	3.3 Tyre size, rear		Φ80x84	Φ80x84
	3.4 Additional wheels (dimensions)		Φ150x60	Φ150x60
Motors	3.5 Wheels, number front/rear (x = driven wheels)		1x+1/4	1x+1/4
	3.6 Tread, front	b10 (mm)	580	676
	3.7 Tread, rear	b11 (mm)	404/525	404/525
Additional Data	4.2 Height, mast lowered	h1 (mm)	1735/1985/2135/2235/2050/2210/2410	2710
	4.3 Free lift	h2 (mm)	1300/1550/1700/1800/1570/1740/1940	2240
	4.4 Max. lift height	h3 (mm)	2500/3000/3300/3500/4500/5000/5600	6500
Additional Data	4.5 Height, mast extended	h4 (mm)	2955/3455/3755/3955/5030/5510/6110	7050
	4.9 Height drawbar in driving position min./max.	h14 (mm)	1150/1450	1150/1450
	4.10 Height of wheel arms	h8 (mm)	81	81
Additional Data	4.15 Height, lowered	h13 (mm)	90	90
	4.19 Overall length	l1 (mm)	2020(2100)	2100(2180)
	4.20 Length to face of forks	l2 (mm)	950	950
Additional Data	4.21 Overall width	b1/b2 (mm)	850	900
	4.22 Fork dimensions DIN ISO 2331	s / e / l (mm)	60/180/1070(1150)	60/180/1070(1150)
	4.25 Fork spread	b5 (mm)	570/695	570/695
Additional Data	4.32 Ground clearance, centre of wheelbase	m2 (mm)	31	31
	4.34.1 Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2535	2615
	4.34.2 Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2515	2595
Additional Data	4.35 Turning radius	Wa (mm)	1655	1735
	5.1 Travel speed, laden/unladen	km/h	7.0/7.1	7.0/7.1
	5.2 Lift speed, laden/unladen	m/s	0.11/0.16	0.11/0.16
Additional Data	5.3 Lowering speed, laden/unladen	m/s	0.12/0.11	0.12/0.11
	5.8 Max. gradeability, laden/unladen	%	6/15	6/15
	5.10 Service brake		Electromagnetic	Electromagnetic
Additional Data	6.1 Drive motor rating S2 60 min	kW	1.5(AC)	1.5(AC)
	6.2 Lift motor rating at S3 15%	kW	3	3.0
	6.4 Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/300	24/300
Additional Data	6.5 Battery weight	kg	260	260
	10.7 Sound pressure level at the driver's seat	dB (A)	70	70



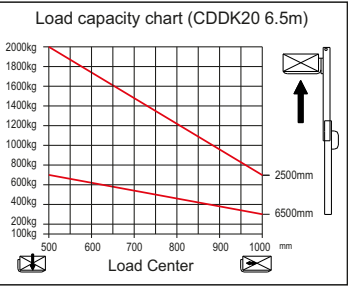
*Option: CDDK20(6.5m) with fork width of 695mm without stabilizer.
With EPS the drive wheel size is 250x80mm.



CDDK20(6.5M) Special Heavy Duty type Stacker with strong chassis base and high load capacity at high lifting height.



Max. Lifting
Height 6.5M



Electric Pallet Truck

Electric Stacker

Order Picker

Narrow Aisle Truck

Electric Tow Tractor

Hand Pallet Truck

Manual Stacker

Lift Table

Electric Stacker with Initial Lift



Model: CDDR15S

This heavy stacker includes two models with a rated load capacity of 1500kgs. Specifically designed for intensive stocking operations at medium height warehouse. 1500kgs load can be transported using the initial lift function.

Advantages:

- The 4- points support structure with side tiller, low center of gravity design with excellent stability.
- Double pallet design: two pallet handled at one time, initial lift of load leg increases ground clearance to negotiate easily ramps, dock levelers and bridging plates.
- Vertical driving wheel, offer small turning radius, dustproof waterproof motor, easy for maintenance.
- Ac motor without carbon brush, good ramp braking performance, efficient electromagnetic parking brake.
- Free lifting mast with two side cylinders offers wide view for operators.

AC



Conforms to EN ISO3691-1
EN1175
EN16307-1
Based on Directive 2006/42/EC
Conform to EN Standard 12895
Based on directive: 2014/30/EU (EMC)

AC

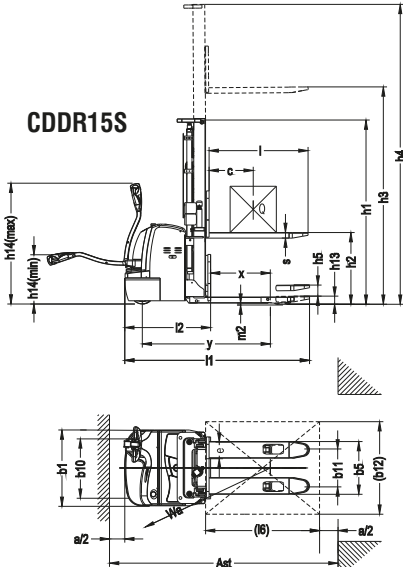
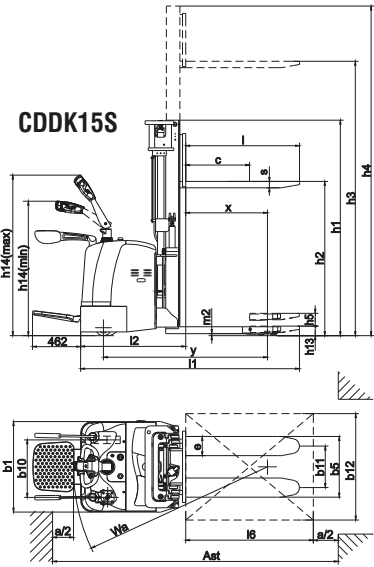
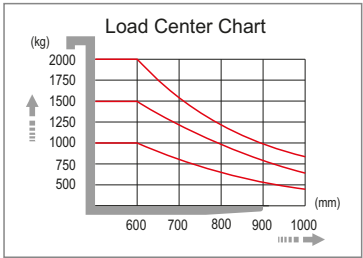
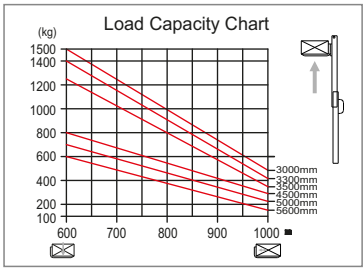
Model: CDDK15S

1KG=2.205LB 1INCH=25.40MM

	1.2	Manufacturer's type designation		CDDR15S	CDDK15S
General Information	1.3	Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Electric	Electric
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Pedestrian	Standing
	1.5	Rated capacity/rated load	Q (kg)	1500	1500
	1.6	Load centre distance	c (mm)	600	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	697	768
	1.9	Wheelbase	y (mm)	1465	1510
Weight	2.1	Service weight	kg	1205	
	2.2	Axle loading, laden front/rear	kg	1470/1310	1120/1640
	2.3	Axle loading, unladen front/rear	kg	900/380	874/386
Tyres	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane	Polyurethane
	3.2	Tyre size, front		Φ250x70	Φ250x80
	3.3	Tyre size, rear		Φ80x70	Φ80x70
	3.4	Additional wheels (dimensions)		Φ150x60	Φ150x60
	3.5	Wheels, number front/rear (× = driven wheels)		1x+1/4	1x+1/4
	3.6	Tread, front	b10 (mm)	520	540
Dimensions	3.7	Tread, rear	b11 (mm)	390/470	390/470
	4.2	Height, mast lowered	h1 (mm)	1757/2007/2157/2257/2022/2182/2382	1758/2008/2158/2258/2022/2182/2382
	4.3	Free lift	h2 (mm)	1300/1550/1700/1800/1570/1740/1940	1300/1550/1700/1800/1570/1740/1940
	4.4	Max. lift height	h3 (mm)	2500/3000/3300/3500/4500/5000/5600	2500/3000/3300/3500/4500/5000/5600
	4.5	Height, mast extended	h4 (mm)	2972/3477/3777/3977/4952/5442/6042	2958/3458/3758/3958/4952/5442/6042
	4.6	Initial lift	h5(mm)	120	120
	4.9	Height drawbar in driving position min./max.	h14 (mm)	670/1300	1150/1450
	4.10	Height of wheel arms	h8 (mm)	82/202	
	4.15	Height, lowered	h13 (mm)	90	90
	4.19	Overall length	l1 (mm)	1982(2062)	2058(2138)
	4.20	Length to face of forks	l2 (mm)	878	988
	4.21	Overall width	b1/b2 (mm)	820	850
	4.22	Fork dimensions DIN ISO 2331	s / e / l (mm)	60/180/1070(1150)	60/180/1070(1150)
	4.25	Fork spread	b5 (mm)	570/650	570/650
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	15-135	17-137
	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2530	2631
	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2500	2575
	4.35	Turning radius	Wa (mm)	1660	1786
Performance Data	5.1	Travel speed, laden/unladen	km/h	5.8/6.0	7.0/7.1
	5.2	Lift speed, laden/unladen	m/s	0.11/0.16	0.11/0.16
	5.3	Lowering speed, laden/unladen	m/s	0.12/0.12	0.12/0.12
	5.8	Max. gradeability, laden/unladen	%	8/15	8/15
	5.10	Service brake		Electromagnetic	Electromagnetic
Motors	6.1	Drive motor rating S2 60 min	kW	1.2(AC)	1.5(AC)
	6.2	Lift motor rating at S3 15%	kW	3	3
	6.4	Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/240	24/240(2500-3500), 24/300 (4500-5600)
	6.5	Battery weight	kg	220	220, 260
Additional Data	10.7	Sound pressure level at the driver's seat	dB (A)	70	70

1. With initial lift.
2. Calculated with height 3000mm, fork 1070mm.

*Option: Lithium battery 125AH (Charger 24V/50AH) / 230AH (Charger 24V/100A)



Electric Stacker with Initial Lift



Conforms to EN ISO3691-1
EN1175
EN16307-1
Based on Directive 2006/42/EC



Model: CDD10R-ES CDD12R-ES

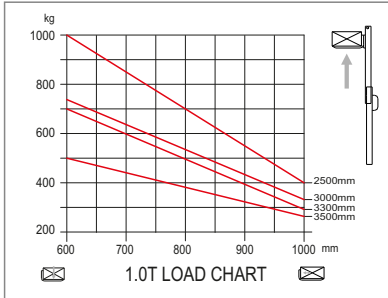
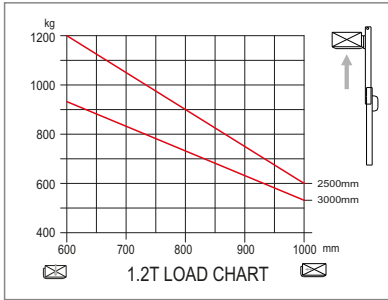
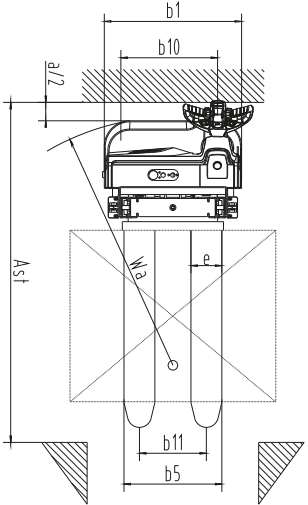
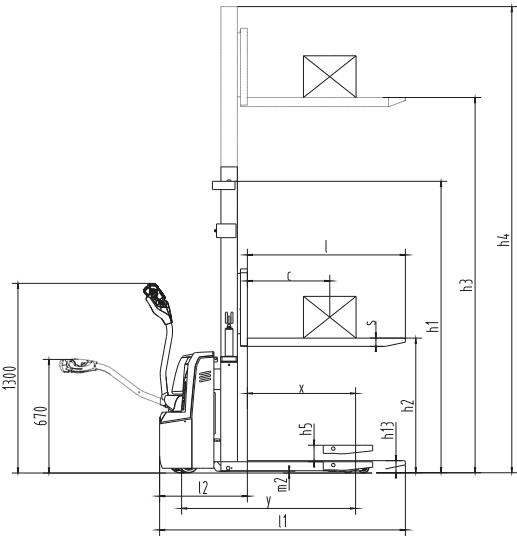
This Light duty type electric stacker CDD10R-E(S) in double –pallet using, support arm lift 1000kgs, and mast lift 1000kg (total load weight max is 1000kg) . Specifically designed for intensive stocking operations at low height warehouse. It is the best solution for smoothly passing in crossing door or dock on uneven ground.

Advantages:

- Compact design and small dimensions , offer excellent visibility .
- The 4- points support structure with side tiller, low center of gravity design with excellent stability.
- Double pallet design: two pallet handled at one time, initial lift of load leg increases ground clearance to negotiate easily ramps, dock levelers and bridge .
- With floor type driving wheel, offer small turning radius, dustproof waterproof motor, easy for maintenance.
- With good ramp braking performance efficient electromagnetic parking brake.
- BDI with low voltage cut off protection device, protect battery and prolong the battery life time .
- Balance wheel height is adjustable, ensure the drive wheel life.
- Low Noise development with quite motor.

1KG=2.205LB 1INCH=25.40MM

	1.2	Manufacturer's type designation		CDDR10R-ES	CDDR12R-ES
General Information	1.3	Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Electric	Electric
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Pedestrian	Pedestrian
	1.5	Rated capacity/rated load	Q (kg)	1000	1200
Weight	1.6	Load centre distance	c (mm)	600	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	788	788
	1.9	Wheelbase	y (mm)	1268	1268
Tyres	2.1	Service weight	kg	605/670/690/702	675/740/760/775
	2.2	Axle loading, laden front/rear	kg	710/1000	814/1146
	2.3	Axle loading, unladen front/rear	kg	220/490	235/525
Tyres	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane	Polyurethane
	3.2	Tyre size, front		Φ195x70	Φ195x70
	3.3	Tyre size, rear		Φ80x70	Φ80x70
Tyres	3.4	Additional wheels (dimensions)		Φ150x60	Φ150x60
	3.5	Wheels, number front/rear (× = driven wheels)		1x+1/4	1x+1/4
Tyres	3.6	Tread, front	b10 (mm)	523	523
	3.7	Tread, rear	b11 (mm)	390	390
Dimensions	4.2	Height, mast lowered	h1 (mm)	2122/1872/2122/2272	2122/1872/2122/2272
	4.4	Max. lift height	h3 (mm)	1600/2500/3000/3300	1600/2500/3000/3300
	4.5	Height, mast extended	h4 (mm)	2122/3092/3592/3892	2122/3092/3592/3892
Dimensions	4.6	Initial lift	h5(mm)	120	120
	4.9	Height drawbar in driving position min./max.	h14 (mm)	670/1300	670/1300
	4.10	Height of wheel arms	h8 (mm)	82/202	82/202
Dimensions	4.15	Height, lowered	h13 (mm)	90	90
	4.19	Overall length	l1 (mm)	1709(1789)	1709(1789)
	4.20	Length to face of forks	l2 (mm)	639	639
Dimensions	4.21	Overall width	b1/b2 (mm)	800	800
	4.22	Fork dimensions DIN ISO 2331	s / e / l (mm)	60/180/1070(1150)	60/180/1070(1150)
	4.25	Fork spread	b5 (mm)	570	570
Dimensions	4.32	Ground clearance, centre of wheelbase	m2 (mm)	17-137	17-137
	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2286	2286
	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2224	2224
Dimensions	4.35	Turning radius	Wa (mm)	1450	1450
Performance Data	5.1	Travel speed, laden/unladen	km/h	4.5/5.0	4.5/5.0
	5.2	Lift speed, laden/unladen	m/s	0.11/0.14	0.11/0.14
	5.3	Lowering speed, laden/unladen	m/s	0.12/0.12	0.12/0.12
Performance Data	5.8	Max. gradeability, laden/unladen	%	6/15	6/15
	5.10	Service brake		Electromagnetic	Electromagnetic
Motors	6.1	Drive motor rating S2 60 min	kW	0.65(DC)	0.65(DC)
	6.2	Lift motor rating at S3 15%	kW	2.2	2.2
	6.4	Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/105(125)	24/105(125)
Additional Data	6.5	Battery weight	kg	60.8(70)	60.8(70)
	10.7	Sound pressure level at the driver's seat	dB (A)	70	70



Electric Stacker with Initial Lift



Model: CDD10RDS-E CDD12RDS-E

CDD10RDS-E type Double Decker trucks with very small chassis widely used in narrow and confined warehouse area, such as in delivery vans and elevators.



Mast with excellent visibility for wide view of the forks .



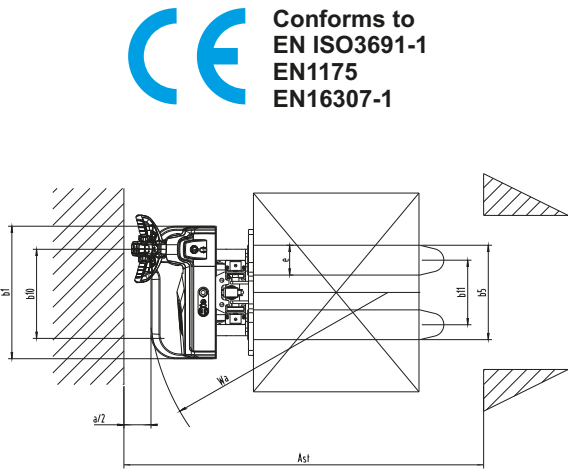
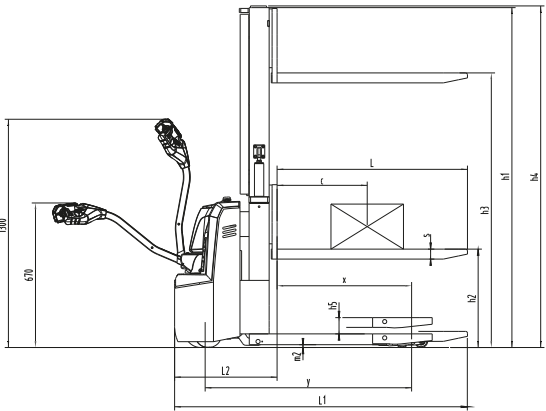
With double decker ,mast lift 1000kgs and support arm lift 1000kgs, total load is 1000kgs if use double pallet.



Compact design With very small turning radius, offer a range of application option in very confined space.



		1KG=2.205LB 1INCH=25.40MM	
General Information	1.2 Manufacturer's type designation	CDD10RDS-E	CDD12RDS-E
	1.3 Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas	Electric	Electric
Weight	1.4 Operator type: hand, pedestrian, standing, seated, order-picker	Pedestrian	Pedestrian
	1.5 Rated capacity/rated load	1000	1200
Tyres	1.6 Load centre distance	Q (kg)	600
	1.8 Load distance, centre of drive axle to fork	c (mm)	812
Dimensions	1.9 Wheelbase	x (mm)	1272
	2.1 Service weight	y (mm)	640
Performance Data	2.2 Axle loading, laden front/rear	kg	1035/605
	2.3 Axle loading, unladen front/rear	kg	182/458
Motors	3.1 Tyres: solid rubber, superelastic, pneumatic, polyurethane	Polyurethane	Polyurethane
	3.2 Tyre size, front	Φ195x70	Φ195x70
Additional Data	3.3 Tyre size, rear	Φ80x70	Φ80x70
	3.4 Additional wheels (dimensions)	Φ150x60	Φ150x60
	3.5 Wheels, number front/rear (× = driven wheels)	1x+1/4	1x+1/4
	3.6 Tread, front	b10 (mm)	523
	3.7 Tread, rear	b11 (mm)	390
	4.2 Height, mast lowered	h1 (mm)	2050/2400
	4.4 Max. lift height	h3 (mm)	1600/1950
	4.5 Height, mast extended	h4 (mm)	2060/2410
	4.6 Initial lift	h5(mm)	120
	4.9 Height drawbar in driving position min./max.	h14 (mm)	670/1300
	4.10 Height of wheel arms	h8 (mm)	82/202
	4.15 Height, lowered	h13 (mm)	90
	4.19 Overall length	l1 (mm)	1690(1770)
	4.20 Length to face of forks	l2 (mm)	619
	4.21 Overall width	b1/b2 (mm)	800
	4.22 Fork dimensions DIN ISO 2331	s / e / l (mm)	60/180/1070(1150)
	4.25 Fork spread	b5 (mm)	570
	4.32 Ground clearance, centre of wheelbase	m2 (mm)	17-137
	4.34.1 Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2286
	4.34.2 Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2224
	4.35 Turning radius	Wa (mm)	1450
	5.1 Travel speed, laden/unladen	km/h	4.5/5.0
	5.2 Lift speed, laden/unladen	m/s	0.11/0.14
	5.3 Lowering speed, laden/unladen	m/s	0.12/0.10
	5.8 Max. gradeability, laden/unladen	%	6/15
	5.10 Service brake	Electromagnetic	Electromagnetic
	6.1 Drive motor rating S2 60 min	kW	0.65(DC)
	6.2 Lift motor rating at S3 15%	kW	2.2
	6.4 Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/105(125)
	6.5 Battery weight	kg	60.8(70)
	10.7 Sound pressure level at the driver's seat	dB (A)	70



CE Conforms to
EN ISO3691-1
EN1175
EN16307-1

Counterbalanced Electric Reach Stacker



Model:
CQD12R
CQD15R
CQD20R
Mast Reach Type

AC

EPS
option

CE

Conforms to
EN ISO3691-1
EN1175
EN16307-1

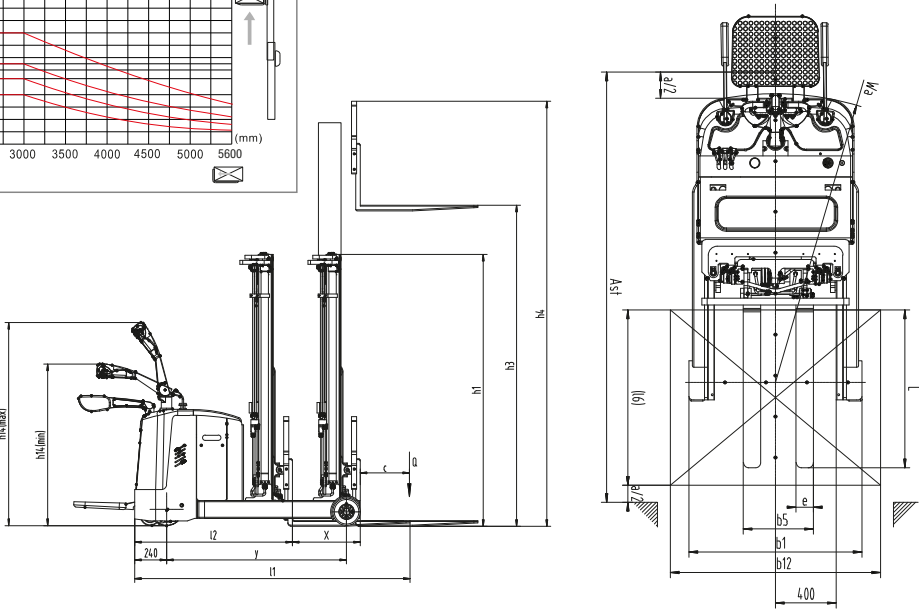
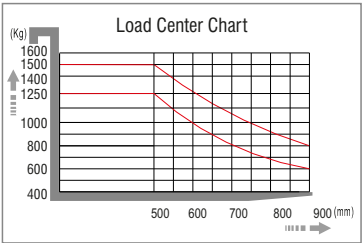
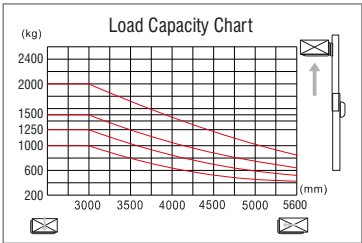
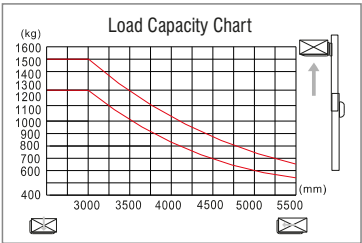
Advantages:

- STRUCTURAL**
- Two lifting cylinders placed on outer sides of the mast.
 - Germany imported special steel mast.
 - Vertical driving wheel, driving efficiency, easy installation & maintenance.
 - Compact structure and low gravity.
- SAFETY AND EFFICIENCY**
- AC frequency conversion traction motor: compact structure, good performance, regenerative braking and easy maintenance.
 - Tilting system forks easy for loading and stacking.
 - High Storage battery ensures strong and long-lasting power.
 - Meter with BDI, prolonging the battery's using time.
 - The braking system combines magnetic brake and regenerative break, greatly prolongs the using life of friction plate.
 - With emergency stop switch and electricity lock button, and multi-valve controlling levers, ergonomic for operation .
 - The adjustable regulator valve can adjust the lowering speed of the masts.
- EASY MAINTENANCE**
- Magnet suction battery cover, easy for installation and maintenance.
 - AC controlling system, low noise, less maintenance.



		1KG=2.205LB		1INCH=25.40MM		
General Information	1.2	Manufacturer's type designation		CQD12R	CQD15R	CQD20R (EPS)
	1.3	Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Electric	Electric	Electric
	1.4	Operator type: hand, pedestrian, standing, seated, order-pickler		Standing	Standing	Standing
	1.5	Rated capacity/rated load	Q (kg)	1250	1500	2000
	1.6	Load centre distance	c (mm)	500	500	500
	1.8	Load distance, centre of drive axle to fork	x (mm)	430	520	550
	1.9	Wheelbase	y (mm)	1380	1480	1600
Weight	2.1	Service weight	kg	1800	2140	2300
	2.3	Axle loading, unladen front/rear	kg	1200/600	1360/760	1660/2640
	2.5	Axle loading, fork retracted, laden front/rear	kg	1080/2020	1290/2350	1620/680
Tyres	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane	Polyurethane	Polyurethane
	3.2	Tyre size, front		Φ250×70	Φ250×70	Φ250x80
	3.3	Tyre size, rear		Φ210×85	Φ210×85	Φ210x115
	3.4	Additional wheels (dimensions)		Φ127×57	Φ127×57	-
	3.5	Wheels, number front/rear (× = driven wheels)		1x+2/2	1x+2/2	1x/2
	3.6	Tread, front	b10 (mm)	612	612	-
	3.7	Tread, rear	b11 (mm)	908	908	945
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	a/b (°)	3/6	3/6	3/6
	4.2	Height, mast lowered	h1 (mm)	1880/2118/2400/1953/2128/2298/2495	1880/2118/2400/1953/2128/2298/2495	1888/2118/2400/1953/2128/2298/2495
	4.3	Free lift	h2 (mm)	0/0/0/1280/1480/1600/1870	0/0/0/1280/1480/1600/1870	0/0/0/1280/1480/1600/1870
	4.4	Lift	h3 (mm)	2500/3000/3500/4000/4500/5000/5600	2500/3000/3500/4000/4500/5000/5600	2500/3000/3500/4000/4500/5000/5600
	4.5	Height, mast extended	h4 (mm)	3500/4000/4500/5000/5500/6000/6600	3500/4000/4500/5000/5500/6000/6600	3500/4000/4500/5000/5500/6000/6600
	4.9	Height drawbar in driving position min./max.	h14 (mm)	1160/1460	1160/1460	1160/1460
	4.19	Overall length	l1 (mm)	2150/2270/2350	2250/2370/2450	2276/2360/2440
	4.20	Length to face of forks	l2 (mm)	1200	1240	1290
	4.21	Overall width	b1/b2 (mm)	990	990	1060
	4.22	Fork dimensions DIN ISO 2331	s / e / l (mm)	35/100/950(1070/1150)	35/100/950(1070/1150)	40/100/950(1070/1150)
	4.25	Fork spread	b5 (mm)	200-680	200-680	200-680
	4.28	Reach distance	l4 (mm)	560	650	710
	4.31	Ground clearance, laden, below mast	m1 (mm)	55	55	55
	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2600	2700	2800
	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2650	2750	2830
	4.35	Turning radius	Wa (mm)	1650	1750	1870
	Performance Data	5.1	Travel speed, laden/unladen	km/h	6.8/7.0	6.8/7.0
5.2		Lift speed, laden/unladen	m/s	0-0.13/0-0.2	0-0.13/0-0.2	0.11/0.2
5.3		Lowering speed, laden/unladen	m/s	0-0.45	0-0.45	0-0.23/0-0.2
5.8		Max. gradeability, laden/unladen	%	6/10	6/10	10/15
5.10		Service brake		Electromagnetic	Electromagnetic	Electromagnetic
Motors	6.1	Drive motor rating S2 60 min	kW	1.2(AC)	1.2(AC)	2.2(AC)
	6.2	Lift motor rating at S3 15%	kW	4.5	4.5	4.5
	6.4	Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/270	24/270	24/280(320/360)
	6.5	Battery weight	kg	260-320	260-320	280-330
	Additional Data	10.7	Sound pressure level at the driver's seat	dB (A)	65	65

*Option: With EPS the drive wheel size is 250x80mm.
Li-ion Lithium battery 230AH (Charger 24V/100A)



Counterbalanced Electric Reach Stacker



Model:
CQD12W
CQD15W
Mast Reach Type

Advantages:

- STRUCTURAL**
- Long handle structure makes it steering light and flexible.
 - Two lifting cylinders placed on outer sides of the mast.
 - Germany imported special steel mast.
 - Vertical driving wheel, driving efficiency, easy installation & maintenance.
 - Compact structure and low gravity.
- SAFETY AND EFFICIENCY**
- AC frequency conversion traction motor: compact structure, good performance, regenerative braking and easy maintenance.
 - Tilting system forks easy for loading and stacking.
 - High Storage battery ensures strong and long-lasting power.
 - Meter with BDI, prolonging the battery's using time.
 - The braking system combines magnetic brake and regenerative break, greatly prolongs the using life of friction plate.
 - With emergency stop switch and electricity lock button, and multi-valve controlling levers, ergonomic for operation .
 - The adjustable regulator valve can adjust the lowing speed of the masts.
- EASY MAINTENANCE**
- Magnet suction battery cover, easy for installation and maintenance.
 - AC controlling system, low noise, less maintenance.



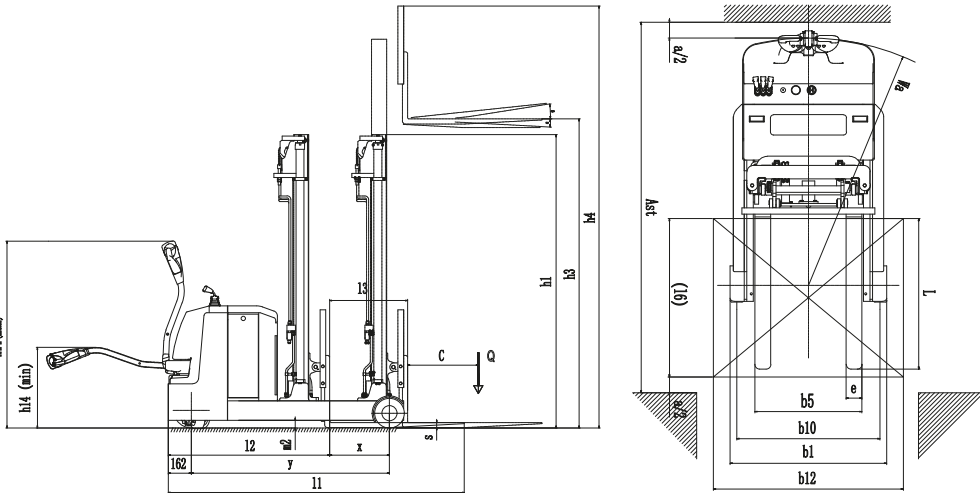
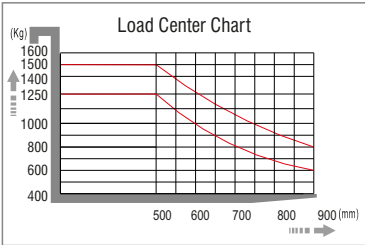
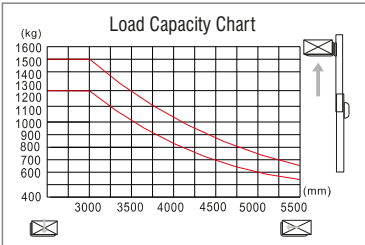
AC

Conforms to
EN ISO3691-1
EN1175
EN16307-1

1KG=2.205LB 1INCH=25.40MM

	1.2	Manufacturer's type designation		CQD12W	CQD15W
General Information	1.3	Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Electric	Electric
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Pedestrian	Pedestrian
	1.5	Rated capacity/rated load	Q (kg)	1200	1500
	1.6	Load centre distance	c (mm)	500	500
	1.8	Load distance, centre of drive axle to fork	x (mm)	430	520
Weight	1.9	Wheelbase	y (mm)	1380	1500
	2.1	Service weight	kg	1700	1980
	2.3	Axle loading, unladen front/rear	kg	1090/610	1200/780
	2.5	Axle loading, fork retracted, laden front/rear	kg	1100/1840	1210/2270
Tyres	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane	Polyurethane
	3.2	Tyre size, front		Φ250×70	Φ250×70
	3.3	Tyre size, rear		Φ210×85	Φ210×85
	3.4	Additional wheels (dimensions)		Φ127×57	Φ127×57
	3.5	Wheels, number front/rear (× = driven wheels)		1x+2/2	1x+2/2
Dimensions	3.6	Tread, front	b10 (mm)	612	612
	3.7	Tread, rear	b11 (mm)	908	908
	4.1	Tilt of mast/fork carriage forward/backward	a/b (°)	3/6	3/6
	4.2	Height, mast lowered	h1 (mm)	1880/2118/2400/1953/2128/2298/2495	1880/2118/2400/1953/2128/2298/2495
	4.3	Free lift	h2 (mm)	0/0/0/1280/1480/1600/1870	0/0/0/1280/1480/1600/1870
	4.4	Lift	h3 (mm)	2500/3000/3500/4000/4500/5000/5600	2500/3000/3500/4000/4500/5000/5600
	4.5	Height, mast extended	h4 (mm)	3500/4000/4500/5000/5500/6000/6600	3500/4000/4500/5000/5500/6000/6600
	4.9	Height drawbar in driving position min./max.	h14 (mm)	570/1320	570/1320
	4.19	Overall length	l1 (mm)	2080/2200/2280	2130/2250/2330
	4.20	Length to face of forks	l2 (mm)	1130	1180
	4.21	Overall width	b1/b2 (mm)	990	990
	4.22	Fork dimensions DIN ISO 2331	s / e / l (mm)	35/100/950(1070/1150)	35/100/950(1070/1150)
	4.25	Fork spread	b5 (mm)	200-680	200-680
	4.28	Reach distance	l4 (mm)	560	650
	4.31	Ground clearance, laden, below mast	m1 (mm)	55	55
Performance Data	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2500	2600
	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2620	2720
	4.35	Turning radius	Wa (mm)	1550	1680
	5.1	Travel speed, laden/unladen	km/h	5.5/6.0	5.5/6.0
	5.2	Lift speed, laden/unladen	m/s	0-0.13/0-0.2	0-0.13/0-0.2
Motors	5.3	Lowering speed, laden/unladen	m/s	0-0.45	0-0.45
	5.8	Max. gradeability, laden/unladen	%	6/10	6/10
	5.10	Service brake		Electromagnetic	Electromagnetic
	6.1	Drive motor rating S2 60 min	kW	1.2(AC)	1.2(AC)
	6.2	Lift motor rating at S3 15%	kW	4.5	4.5
Additional Data	6.4	Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/270	24/270
	6.5	Battery weight	kg	260-320	260-320
Additional Data	10.7	Sound pressure level at the driver's seat	dB (A)	65	65

* Option: Lithium battery 230AH (Charger 24V/100A)



Counterbalanced Electric Stacker



Model:
CPD15R

AC
EPS
option



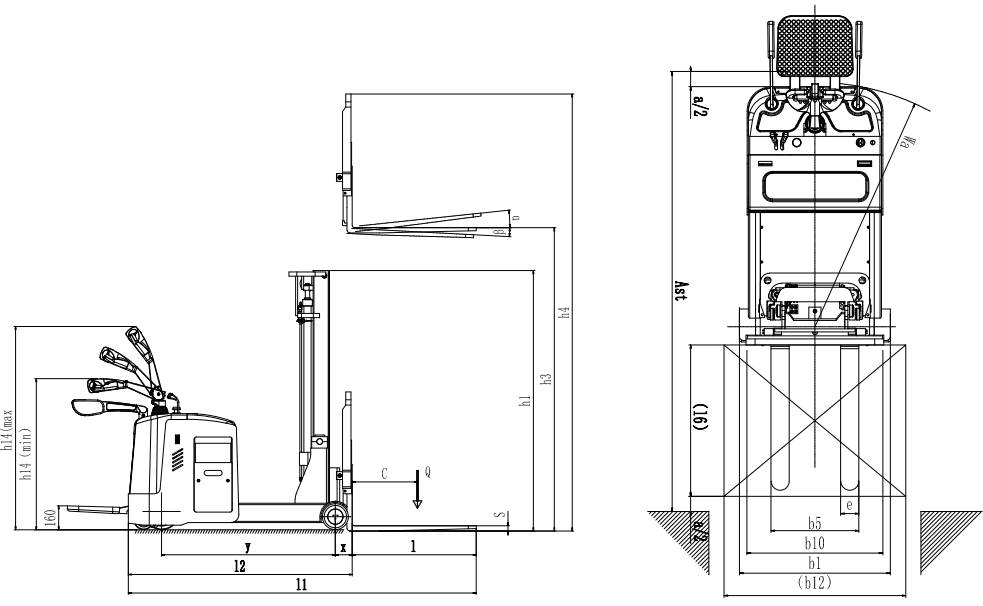
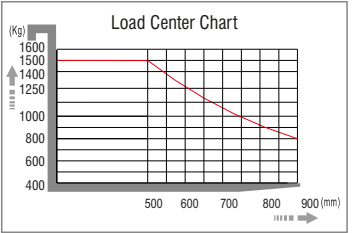
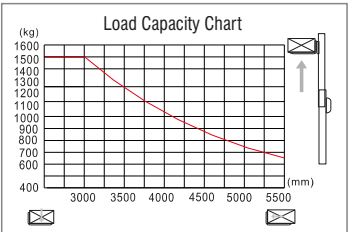
Advantages:

- STRUCTURAL**
 - Two lifting cylinders placed on outer sides of the mast.
 - Germany imported special steel mast.
 - Vertical driving wheel, driving efficiency, easy installation & maintenance.
 - Compact structure and low gravity.
- SAFETY AND EFFICIENCY**
 - AC frequency conversion traction motor: compact structure, good performance, regenerative braking and easy maintenance.
 - Tilting system forks easy for loading and stacking.
 - High Storage battery ensures strong and long-lasting power.
 - Meter with BDI, prolonging the battery's using time.
 - The braking system combines magnetic brake and regenerative break, greatly prolongs the using life of friction plate.
 - With emergency stop switch and electricity lock button, and multi-valve controlling levers, ergonomic for operation .
 - The adjustable regulator valve can adjust the lowering speed of the masts.
- EASY MAINTENANCE**
 - Magnet suction battery cover, easy for installation and maintenance.
 - AC controlling system, low noise, less maintenance.

1KG=2.205LB 1INCH=25.40MM

	1.2	Manufacturer's type designation		CPD15R	CPD15R(EPS)
General Information	1.3	Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Electric	Electric
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Standing	Standing
	1.5	Rated capacity/rated load	Q (kg)	1500	1500
	1.6	Load centre distance	c (mm)	500	500
	1.8	Load distance, centre of drive axle to fork	x (mm)	130	130
Weight	1.9	Wheelbase	y (mm)	1330	1330
	2.2	Axle loading, laden front/rear	kg	420/3110	420/3110
	2.3	Axle loading, unladen front/rear	kg	1170/860	1170/860
Tyres/Chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane	Polyurethane
	3.2	Tyre size, front		Φ250×70	Φ280×100
	3.3	Tyre size, rear		Φ200×100	Φ200×100
	3.4	Additional wheels (dimensions)		Φ150×60	
	3.5	Wheels, number front/rear (× = driven wheels)		1x+2/2	1x+2
	3.6	Tread, front	b10 (mm)	890	890
	3.7	Tread, rear	b11 (mm)	612	0
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	a/b (°)	3/6	3/6
	4.2	Height, mast lowered	h1 (mm)	1735/1985/2235/1895/2085/2235/2435	1735/1985/2235/1895/2085/2235/2435
	4.3	Free lift	h2 (mm)	0/0/0/1400/1500/1670/1870	0/0/0/1400/1500/1670/1870
	4.4	Max. lift height	h3 (mm)	2500/3000/3500/4000/4500/5000/5600	2500/3000/3500/4000/4500/5000/5600
	4.5	Height, mast extended	h4 (mm)	3500/4000/4500/5000/5500/6000/6600	3500/4000/4500/5000/5500/6000/6600
	4.9	Height drawbar in driving position min./max.		1160/1460	1160/1460
	4.19	Overall length	l1 (mm)	2660	2660
	4.20	Length to face of forks	l2 (mm)	1700	1700
	4.21	Overall width	b1/b2 (mm)	990	990
	4.22	Fork dimensions DIN ISO 2331	s / e / l (mm)	35/100/950(1070)	35/100/950(1070)
	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2990	2990
	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	3120	3120
	4.35	Turning radius	Wa (mm)	1600	1600
Performance Data	5.1	Travel speed, laden/unladen	km/h	6.8/7.0	6.8/7.0
	5.2	Lift speed, laden/unladen	m/s	0-0.12/0-0.19	0-0.12/0-0.19
	5.3	Lowering speed, laden/unladen	m/s	0-0.45	0-0.45
	5.8	Max.Gradeability, laden/unladen	%	6/10	8/15
	5.10	Service brake		Electromagnetic	Electromagnetic
Motors	6.1	Drive motor rating S2 60 min	kW	1.2(AC)	1.5(AC)
	6.2	Lift motor rating at S3 15%	kW	4.5(DC)	4.5(DC)
	6.4	Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/280	24/280
	6.5	Battery weight	kg	280-320	280-320
Additional Data	10.7	Sound pressure level at the driver's seat	dB (A)	65	65

*Option: With EPS the drive wheel size is 280x100mm.
Li-ion Lithium battery 230AH (Charger 24V/100A)



Counterbalanced Electric Stacker



Advantages:

- STRUCTURAL**
 - Long handle structure makes it steering light and flexible.
 - Two lifting cylinders placed on outer sides of the mast.
 - Germany imported special steel mast.
 - Vertical driving wheel, driving efficiency, easy installation & maintenance.
 - Compact structure and low gravity.
- SAFETY AND EFFICIENCY**
 - AC frequency conversion traction motor: compact structure, good performance, regenerative braking and easy maintenance.
 - Tilting system forks easy for loading and stacking.
 - High Storage battery ensures strong and long-lasting power.
 - Meter with BDI, prolonging the battery's using time.
 - The braking system combines magnetic brake and regenerative break, greatly prolongs the using life of friction plate.
 - With emergency stop switch and electricity lock button, and multi-valve controlling levers, ergonomic for operation.
 - The adjustable regulator valve can adjust the lowering speed of the masts.
- EASY MAINTENANCE**
 - Magnet suction battery cover, easy for installation and maintenance.
 - AC controlling system, low noise, less maintenance.



Model:
CPD05W
CPD10W
CPD15W

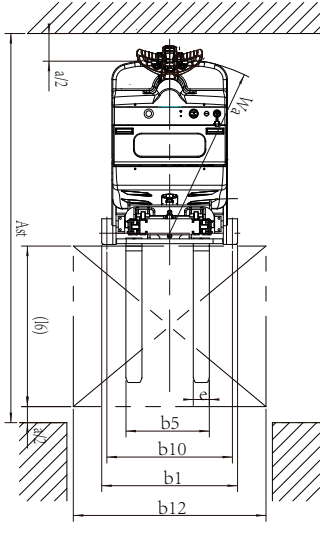
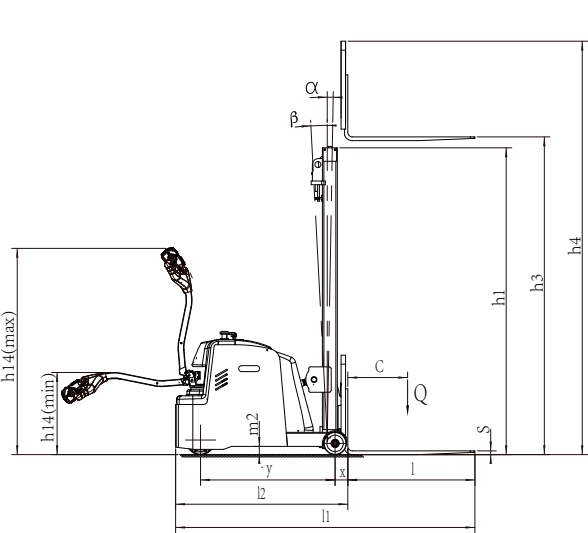
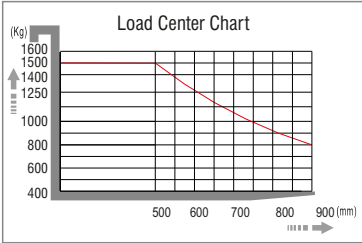
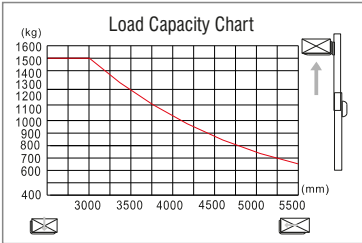
AC

Conforms to
EN ISO3691-1 EN 1175
EN 16307-1 EN 12100-1
EN 12053-2001 EN 13059-2002

1KG=2.205LB 1INCH=25.40MM

	1.2	Manufacturer's type designation			
			CPD05W	CPD10W	CPD15W
General Information	1.3	Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas	Electric	Electric	Electric
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker	Pedestrian	Pedestrian	Pedestrian
	1.5	Rated capacity/rated load	Q (kg)	1000	1500
	1.6	Load centre distance	c (mm)	400	500
	1.8	Load distance, centre of drive axle to fork	x (mm)	90	130
	1.9	Wheelbase	y (mm)	900	1380
Weight	2.2	Axle loading, laden front/rear	kg	380/495	460/3120
	2.3	Axle loading, unladen front/rear	kg	1175/250	1856/324
Tyres/Chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane	Polyurethane	Polyurethane	Polyurethane
	3.2	Tyre size, front	Φ150×64	Φ150×64	Φ250×70
	3.3	Tyre size, rear	Φ195×70	Φ195×70	Φ200×100
	3.5	Wheels, number front/rear (x = driven wheels)	1x+2	1x+2	1x+2
	3.6	Tread, front	b10 (mm)	782	890
	3.7	Tread, rear	b11 (mm)	0	0
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	a/b (°)	1/3	3/6
	4.2	Height, mast lowered	h1 (mm)	2087/1552/1802/2052	1735/1985/2235/1895/2085/2235/2435
	4.3	Free lift	h2 (mm)	1400/0/0/0	0/0/0/1400/1500/1670/1870
	4.4	Max. lift height	h3 (mm)	1600/2000/2500/3000	2500/3000/3500/4000/4500/5000/5600
	4.5	Height, mast extended	h4 (mm)	2240/2640/3140/3640	3500/4000/4500/5000/5500/6000/6600
	4.9	Height drawbar in driving position min./max.		670/1300	730/1360
	4.19	Overall length	l1 (mm)	2002	2356
	4.20	Length to face of forks	l2 (mm)	1152	1406
	4.21	Overall width	b1/b2 (mm)	846	846
	4.22	Fork dimensions DIN ISO 2331	s / e / l (mm)	32/100/850	32/100/950
	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2610	2770
	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2750	2880
Performance Data	4.35	Turning radius	Wa (mm)	1170	1334
	5.1	Travel speed, laden/unladen	km/h	4.1/4.5	3.8/4.2
	5.2	Lift speed, laden/unladen	m/s	0.17/0.25	0.11/0.15
	5.3	Lowering speed, laden/unladen	m/s	0.14/0.14	0.08/0.09
	5.8	Max. Gradeability, laden/unladen	%	6/10	5/10
Motors	5.10	Service brake		Electromagnetic	Electromagnetic
	6.1	Drive motor rating S2 60 min	kW	0.65(DC)	0.65(DC)
	6.2	Lift motor rating at S3 15%	kW	2.2(DC)	2.2(DC)
	6.4	Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/105	24/125
	6.5	Battery weight	kg	60.8	60.8
Additional Data	10.7	Sound pressure level at the driver's seat	dB (A)	65	65

* Option: Lithium battery 230AH (Charger 24V/100A)



Model:
CQDH12A-I
CQDH15A-I

Multi-valve Control



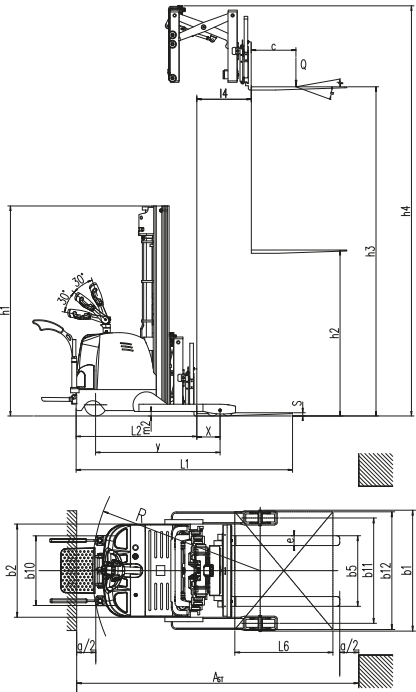
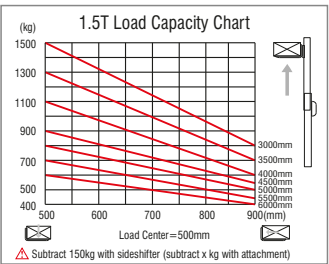
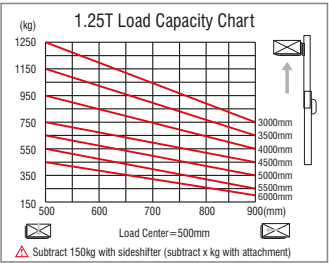
Advantages:

- Compact structure are specially suit to use in very narrow Aisle warehouse.
- Low gravity, ensure safety operation.
- With disassemble type platform and protection arm.
- Use hydraulic type multi-valve to control I lifting/lowering , fork reach , fork tilting.
- Use Handle to control the truck forward and backward.
- The mast and frame are dividable and exchangeable.
- With small turning radius , with good operation performance.
- Multi function display with BDI and hour meter.
- Single Scissor fork reach distance is 500mm. Option of double reach can reach 1200mm (Option for CQDH15A)

1KG=2.205LB 1INCH=25.40MM

Model		Single scissor	
		CQDH12A-I	CQDH15A-I
Load capacity/rated load	Q(kg)	1250	1500
Load centre distance	c(mm)	500	500
Load distance,centre of drive axle to fork	x(mm)	365(double mast)/353(triple mast)	287(double mast)/315(triple mast)
Tyre size,front	mm	φ 250x80+150x62	φ 250x80+150x62
Tyre size,rear	mm	φ 150x82x2	φ 125x82X4
Wheels,number front rear(x=driven wheels)		1x+2/2	1x+2/4
Forks, tilt forward/back	°	2/5	2/5
Height,mast lowered	h ₁ (mm)	1853/2103/2353/2603/2163/2323/2483	1869/2119/2369/2619/2179/2341/2499
Free lift	h ₂ (mm)	~ / ~ / ~ / ~ /1575/1700/1825	~ / ~ / ~ / ~ /1575/1700/1825
Max. lift height	h ₃ (mm)	2500/3000/3500/4000/4500/5000/5500	2500/3000/3500/4000/4500/5000/5500
Height,mast extended	h ₄ (mm)	3381/3881/4381/4881/5381/5881/6381	3381/3881/4381/4881/5381/5881/6381
Overall length	l ₁ (mm)	2327/2327/2327/2327/2340/2340/2340	2364/2364/2364/2364/2384/2384/2384
Length to face of forks	l ₂ (mm)	1257/1270	1289(double mast)/1314(triple mast)
Overall width	b ₁ /b ₂ (mm)	1166-1266/950	1200-1300/950
Fork dimensions	s/e/l(mm)	35/100/1070	35/100/1070
Reach distance	l ₃ (mm)	500	500
Aisle width, with pallet 1000x1200 crosswise	A ₁ (mm)	2731 ¹ /2740 ²	2742 ¹ /2767 ²
Aisle width for pallets 800x1200 lengthways	A ₂ (mm)	2783 ¹ /2794 ²	2806 ¹ /2830 ²
Turning radius	W ₁ (mm)	1658	1613 ¹ /1647 ²
Travel speed,laden/unladen	Km/h	4.5/5 / 4.8/5	4.8/5
Lift speed,laden/unladen	m/s	0.12/0.15	0.095/0.12
Lowering speed,laden/unladen	m/s	0.27/0.2	0.2/0.15
Battery voltage,nominal capacity k5	V/Ah	24/320	24/320(460)
Battery weight	kg	285	285(360)
Battery dimensions	mm	812x270x535	812x270x575
Service weight(with battery)	kg	1800/1850/1900/1900/1950/2000/2050	2250/2300/2350/2350/2500/2550/2600

1. For duplex mast 2000-4000mm
2. For triplex mast 4500-5500mm
* Option: Lithium battery 230AH (Charger 24V/100A)



Electric Reach Stacker



Model:
CQDH15A-II
CQDH20A-II

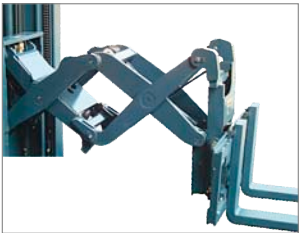
Magnetic Valve Control

AC

EPS
option



No foot pedal & guard



Option: Double scissors forks

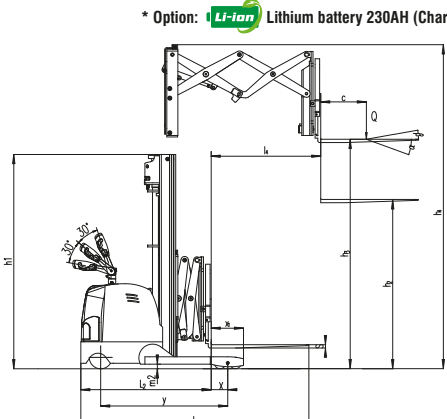
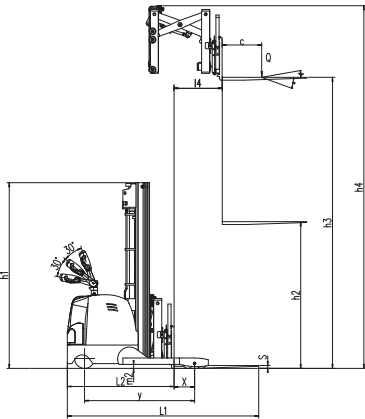
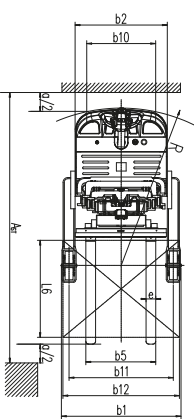


Frei Tiller Head

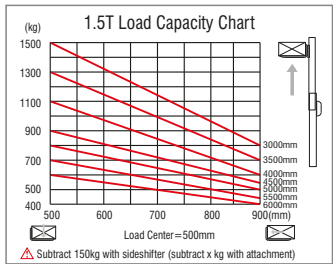
CQDH15A-II /CQDH20A-II without platform

1KG=2.205LB 1INCH=25.40MM

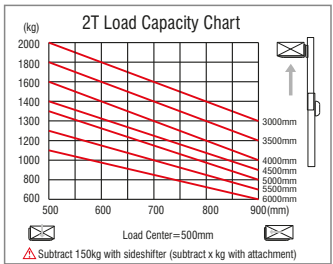
General Information	1.2 Manufacturer's type designation	CQDH15A-II (single scissor)		CQDH20A-II (single scissor)		CQDH15A-II (double scissor)		CQDH20A-II (double scissor)	
	1.3 Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas	Electric		Electric		Electric		Electric	
Weight	1.4 Operator type: hand, pedestrian, standing, seated, order-picker	Pedestrian		Pedestrian		Pedestrian		Pedestrian	
	1.5 Rated capacity/rated load Q (kg)	1500		2000		1000		1000	
Tyres	1.6 Load centre distance c (mm)	500		500		500		500	
	1.8 Load distance, centre of drive axle to fork x (mm)	269		265		150		150	
Dimensions	1.9 Wheelbase y (mm)	1373		1462		1429		1449	
	2.1 Service weight kg	2250/2300/2350/2400/2500/2550/2600		2450/2500/2550/2600/2700/2750/2800		2250/2300/2350/2400/2500/2580/2630		2480/2530/2580/2630/2730/2780/2830	
Performance Data	2.3 Axle loading, unladen front/rear kg	901/1699		970/1830		912/1718		981/1849	
	2.4 Axle loading, fork advanced, laden front/rear kg	2705/1395		3133/1667		2415/1212		2140/1290	
Motors	2.5 Axle loading, fork retracted, laden front/rear kg	2505/1595		2933/1867		2218/1412		2340/1490	
	3.1 Tyres: solid rubber, superelastic, pneumatic, polyurethane	Polyurethane		Polyurethane		Polyurethane		Polyurethane	
Additional Data	3.2 Tyre size, front	Φ250×80		Φ250×80		Φ250×80		Φ250×80	
	3.3 Tyre size, rear	Φ125x82		Φ125x82		Φ125x82		Φ125x82	
Dimensions	3.4 Additional wheels (dimensions)	Φ150x62		Φ150x62		Φ150x62		Φ150x62	
	3.5 Wheels, number front/rear (× = driven wheels)	1x+2/4		1x+2/4		1x+2/4		1x+2/4	
Performance Data	3.6 Tread, front b10 (mm)	710		710		710		710	
	3.7 Tread, rear b11 (mm)	1074		1120		1074		1120	
Dimensions	4.1 Tilt of mast/fork carriage forward/backward a/b (°)	2/5		2/5		2/5		2/5	
	4.2 Height, mast lowered h1 (mm)	1869/2119/2369/2619		1875/2125/2375/2625		1875/2125/2375/2625		1875/2125/2375/2625	
Performance Data	4.3 Free lift h2 (mm)	N/A		N/A		N/A		N/A	
	4.4 Lift h3 (mm)	2500/3000/3500/4000		2500/3000/3500/4000		2500/3000/3500/4000		2500/3000/3500/4000	
Performance Data	4.5 Height, mast extended h4 (mm)	3381/3881/4381/4881		3397/3897/4397/4897		3535/4035/4535/5035		3535/4035/4535/5035	
	4.9 Height drawbar in driving position min./max. h14 (mm)	1100/1600		1100/1600		1100/1600		1100/1600	
Performance Data	4.19 Overall length l1 (mm)	2389		2474		2535		2535	
	4.20 Length to face of forks l2 (mm)	1319		1380		1465		1485	
Performance Data	4.21 Overall width b1/b2 (mm)	1232/950		1232/950		1232/950		1232/950	
	4.22 Fork dimensions DIN ISO 2331 s / e / l (mm)	35/100/1070		40/100/1070		35/100/1070		40/100/1070	
Performance Data	4.23 Fork carriage ISO 2328, class/type A, B	2A		2A		2A		2A	
	4.24 Fork-carriage width b3 (mm)	940/990		940		940		940	
Performance Data	4.25 Fork spread b5 (mm)	200-760/200-680		200-680		200-680		200-680	
	4.26 Distance between wheel arms/loading surfaces b4 (mm)	916		916		916		916	
Performance Data	4.28 Reach distance l4 (mm)	500		500		1200		1200	
	4.31 Ground clearance, laden, below mast m1 (mm)	50		50		50		50	
Performance Data	4.34.1 Aisle width for pallets 1000 × 1200 crossways Ast (mm)	2733		2928		2860		2883	
	4.34.2 Aisle width for pallets 800 × 1200 lengthways Ast (mm)	2800		2996		3040		3063	
Performance Data	4.35 Turning radius Wa (mm)	1588		1779		1643		1663	
	4.37 Length across wheel arms l7 (mm)	1760		1849		1827		1847	
Performance Data	5.1 Travel speed, laden/unladen km/h	4.8/5.0		4.8/5.0		4.8/5.0		4.8/5.0	
	5.2 Lift speed, laden/unladen m/s	0.095/0.12		0.08/0.12		0.095/0.12		0.10/0.17	
Performance Data	5.3 Lowering speed, laden/unladen m/s	0.20/0.15		0.20/0.15		0.20/0.15		0.20/0.13	
	5.4 Reaching speed, laden/unladen m/s	0.1		0.1		0.1		0.1	
Performance Data	5.8 Max. gradeability, laden/unladen %	5/12		5/12		5/12		5/12	
	5.10 Service brake	Electromagnetic		Electromagnetic		Electromagnetic		Electromagnetic	
Motors	6.1 Drive motor rating S2 60 min kW	2.2 AC		2.2 AC		2.2 AC		2.2 AC	
	6.2 Lift motor rating at S3 15% kW	3.3/4.5		4.5		3.3/4.5		4.5	
Motors	6.4 Battery voltage/nominal capacity K5 (V)/(Ah) or kWh	24/320(460)		24/490(525)		24/320		24/490(525)	
	6.5 Battery weight kg	285(360)		380(432)		285		380(432)	
Additional Data	10.7 Sound pressure level at the driver's seat dB (A)	75		75		75		75	



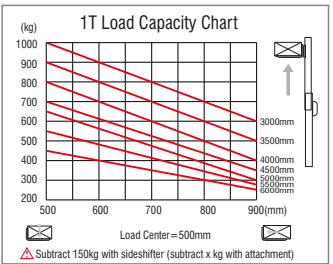
* Option: Lithium battery 230AH (Charger 24V/100A)



CQDH15A-II (single scissor)



CQDH20A-II (single scissor)



CQDH15A-II/CQDH20A-II (double scissor)

Electric Reach Stacker



Model: CQDH15A-III

Multi-Valve Control



Advantages:

- STRUCTURAL**
- Reach stacker with very compact design, have different option with platform or without platform.
 - Low gravity, ensure safety operation.
 - Water proof and dust proof motor structure, keeps the braking and motor more durable and reliable.
 - Multi function display with BDI, hour meter and fault code.
 - Vertical driving wheel ensures convenient maintenance and small turning radius.
 - The mast and frame are dividable and exchangeable.

- SAFETY AND EFFICIENCY**
- Advanced AC drive motor eliminates replacement of carbon brush, with good ramp starting performance.
 - Use Germany Frei handle to control driving speed, lifting/lowering speed, sideshift, fork reach and tilting.
 - Cylinder have safety explosion proof valve, to avoid fork dropping suddenly when oil tube is broken . ensure the safety of operator.
 - Automatic speed deceleration when lifting height is up 1.8M.
 - Mast with micro switch limit the cylinder lifting height, avoid mast shock problems.
 - Low voltage protection setting prolongs the battery life. (while battery less 20% only can drive no lifting)
 - Option EPS power steering system, makes steering more light an reliable.

- SERVICE ABILITY**
- Platform and protection arm are disassembled, easy maintenance.
 - The electronic components concentrated simplifies the circuit and makes easily assemble and access.
 - Battery equipped with protect device, the trucks will automatic cut off power will when battery is under charging.



AC

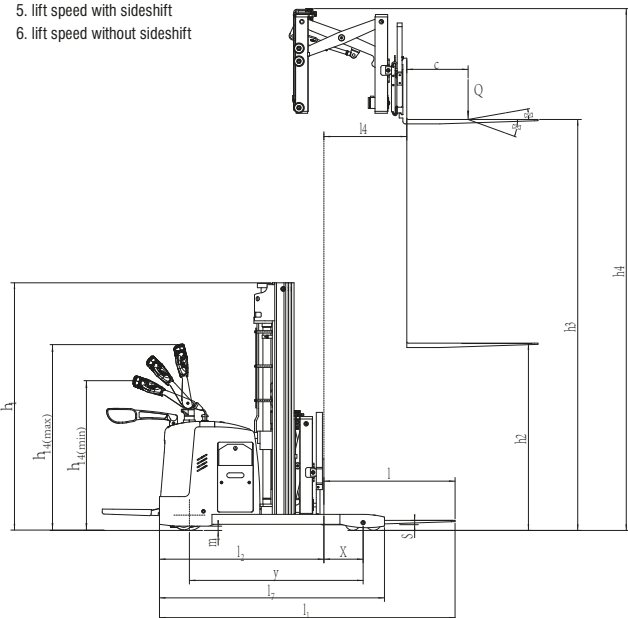
EPS
option

CQDH15A-III with platform

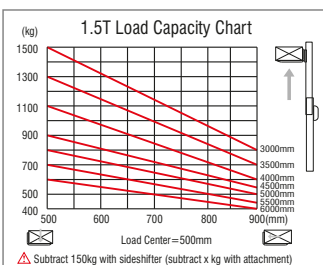
1KG=2.205LB 1INCH=25.40MM

General Information	1.2 Manufacturer's type designation		CQDH15A-III (single scissor)
			Electric
General Information	1.3 Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Standing
	1.4 Operator type: hand, pedestrian, standing, seated, order-picker		
	1.5 Rated capacity/rated load	Q (kg)	1500
Weight	1.6 Load centre distance	c (mm)	500
	1.8 Load distance, centre of drive axle to fork	x (mm)	320
	1.9 Wheelbase	y (mm)	1417
Tyres	2.1 Service weight	kg	2515
	2.3 Axle loading, unladen front/rear	kg	1537/978
	2.4 Axle loading, fork advanced, laden front/rear	kg	907/3143
Tyres	2.5 Axle loading, fork retracted, laden front/rear	kg	1488/2562
	3.1 Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane
	3.2 Tyre size, front		Φ250×80
Tyres	3.3 Tyre size, rear		Φ125×82
	3.4 Additional wheels (dimensions)		Φ150×62
Tyres	3.5 Wheels, number front/rear (× = driven wheels)		1x+2/4
	3.6 Tread, front	b10 (mm)	710
	3.7 Tread, rear	b11 (mm)	1086
Dimensions	4.1 Tilt of mast/fork carriage forward/backward	a/b (°)	2/5
	4.2 Height, mast lowered	h1 (mm)	2179/2341/2499
	4.3 Free lift	h2 (mm)	1575/1700/1825
Dimensions	4.4 Lift	h3 (mm)	4500/5000/5500
	4.5 Height, mast extended	h4 (mm)	5381/5881/6381
	4.9 Height drawbar in driving position min./max.	h14 (mm)	1160/1460
Dimensions	4.19 Overall length	l1 (mm)	2411
	4.20 Length to face of forks	l2 (mm)	1341
	4.21 Overall width	b1/b2 (mm)	1344/896
Dimensions	4.22 Fork dimensions DIN ISO 2331	s / e / l (mm)	35/100/1070
	4.24 Fork-carriage width	b3 (mm)	990
	4.25 Fork spread	b5 (mm)	200-760
Dimensions	4.26 Distance between wheel arms/loading surfaces	b4 (mm)	929
	4.28 Reach distance	l4 (mm)	500
	4.31 Ground clearance, laden, below mast	m1 (mm)	35
Performance Data	4.34.1 Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2796
	4.34.2 Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2856
	4.35 Turning radius	Wa (mm)	1689
Performance Data	4.37 Length across wheel arms	l7 (mm)	1835
	5.1 Travel speed, laden/unladen	km/h	6.1/6.1
	5.2 Lift speed, laden/unladen	m/s	0.09/0.12
Performance Data	5.3 Lowering speed, laden/unladen	m/s	0.2/0.15
	5.4 Reaching speed, laden/unladen	m/s	0.1
	5.8 Max. gradeability, laden/unladen	%	5/12
Motors	5.10 Service brake		Electromagnetic
	6.1 Drive motor rating S2 60 min	kW	1.5 AC
	6.2 Lift motor rating at S3 15%	kW	4.5
Motors	6.4 Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/320
	6.5 Battery weight	kg	285
Additional Data	10.7 Sound pressure level at the driver's seat	dB (A)	75

1. For duplex mast 2000-4000mm
2. For triplex mast 4500-5500mm
3. For duplex mast 3000-4000mm
4. For triplex mast 4500-5500mm
5. lift speed with sideshift
6. lift speed without sideshift



* Option: Lithium battery 230AH (Charger 24V/100A)



CQDH15A-III (single scissor)

