



MAKE EVERYTHING EASIER



ISEE
Equipment Rayong Co.,Ltd



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ELECTRIC STACKER



CDD10R-E
CDD12R-E
CDD15R-E

CTD10R-E
CTD12R-E
CTD15R-E

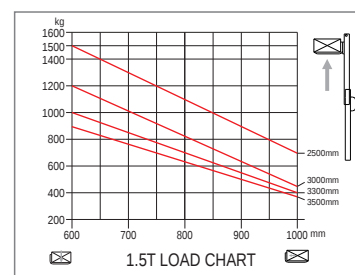
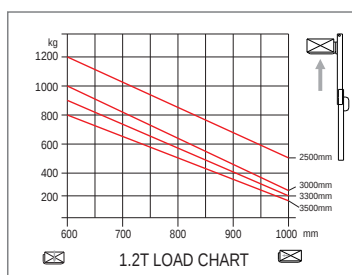
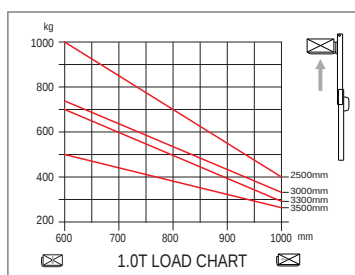


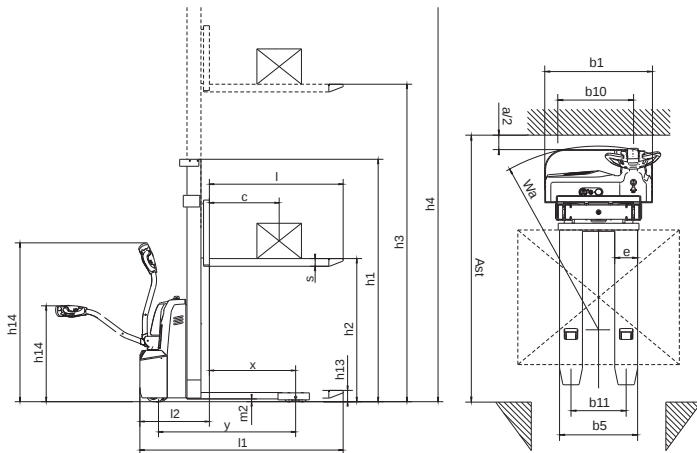
Conforms to
EN ISO3691-1
EN1175
EN16307-1

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.

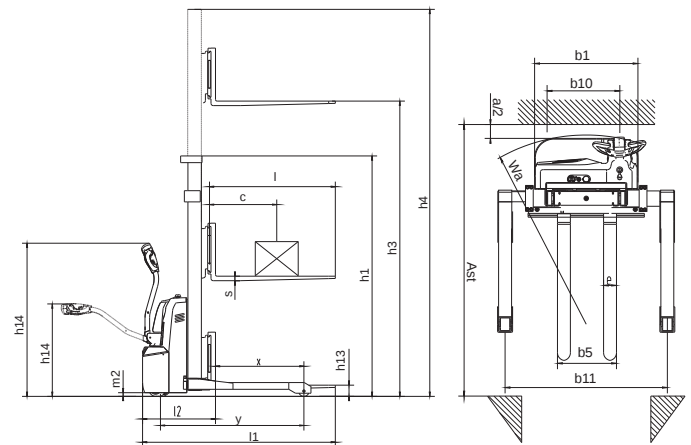
Model		CDD10R-E	CDD12R-E	CDD15R-E
Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Electric	Electric	Electric
Operator type: hand, pedestrian, standing, seated, order-picker		Pedestrian	Pedestrian	Pedestrian
Rated capacity/rated load	Q (kg)	1000	1200	1500
Load centre distance	c (mm)	600	600	600
Load distance, centre of drive axle to fork	x (mm)	741	741	741
Wheelbase	y (mm)	1180	1180	1180
Service weight	kg	460/525/545/560/565	615/640/660/675/680	705/730/750/765/770
Axle loading, laden front/rear	kg	515/1063	637/1233	647/1553
Axle loading, unladen front/rear	kg	405/145	508/162	518/182
Tyres: solid rubber, superelastic, pneumatic, polyurethane		PU	PU	PU
Tyre size, front		♣195*70	♣195*70	♣195*70
Tyre size, rear		♣80*70	♣80*70	♣80*70
Additional wheels (dimensions)		♣150*60	♣150*60	♣150*60
Wheels, number front/rear (x = driven wheels)		1x+1/4	1x+1/4	1x+1/4
Tread, front	b ₁₀ (mm)	523	523	523
Tread, rear	b ₁₁ (mm)	410/525	410/525	410/525
Height, mast lowered	h ₁ (mm)	2090/1840/2090/2200/2340	2090/1840/2090/2200/2340	2090/1840/2090/2200/2340
Lift	h ₂ (mm)	1600/2500/3000/3300/3500	1600/2500/3000/3300/3500	1600/2500/3000/3300/3500
Height, mast extended	h ₃ (mm)	2090/3060/3560/3860/4060	2090/3060/3560/3860/4060	2090/3060/3560/3860/4060
Height drawbar in driving position min./max.	h ₄ (mm)	670/1300	670/1300	670/1300
Height, lowered	h ₁₄ (mm)	90	90	90
Overall length	h ₁₃ (mm)	1748(1668)	1748(1668)	1748(1668)
Length to face of forks	l ₁ (mm)	598	598	598
Overall width	l ₂ (mm)	800	800	800
Fork dimensions DIN ISO 2331	b ₁ /b ₂ (mm)	60*170*1150(1070)	60*170*1150(1070)	60*170*1150(1070)
Fork spread	s/e/l (mm)	570/695	570/695	570/695
Ground clearance, centre of wheelbase	b ₅ (mm)	26	26	26
Aisle width for pallets 1000 × 1200 crossways	m ₂ (mm)	2218	2218	2218
Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2173	2173	2173
Turning radius	Ast (mm)	1365	1365	1365
Travel speed, laden/unladen	Wa (mm)	4.5/5	4.5/5	4.5/5
Lift speed, laden/unladen	km/h	0.11/0.14	0.09/0.14	0.08/0.11
Lowering speed, lade/unladen	m/s	0.12/0.10	0.12/0.10	0.12/0.10
Gradeability, laden/unladen	m/s	6/15	6/15	6/15
Max. gradeability, laden/unladen	%	6/15	6/15	6/15
Service brake	%	Electromagnetic	Electromagnetic	Electromagnetic
Drive motor rating S2 60 min	kW	0.65	0.65	0.65
Lift motor rating at S3 15%	kW	2.2	2.2	2.2
Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/105(125)	24/105(125)	24/125
Battery weight	kg	52(70)	52(70)	70
Sound pressure level at the driver 's seat	dB (A)	70	70	70

Model		CTD10R-E	CTD12R-E	CTD15R-E
Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Electric	Electric	Electric
Operator type: hand, pedestrian, standing, seated, order-picker		Pedestrian	Pedestrian	Pedestrian
Rated capacity/rated load	Q (kg)	1000	1200	1500
Load centre distance	c (mm)	600	600	600
Load distance, centre of drive axle to fork	x (mm)	800	800	800
Wheelbase	y (mm)	1350	1350	1350
Service weight	kg	490/555/575	490/555/575	580/645/665
Axle loading, laden front/rear	kg	530/1140	550/1350	600/1715
Axle loading, unladen front/rear	kg	485/185	500/200	560/225
Tyres: solid rubber, superelastic, pneumatic, polyurethane		PU	PU	PU
Tyre size, front		♣195*70	♣195*70	♣195*70
Tyre size, rear		♣98*82	♣98*82	♣98*82
Additional wheels (dimensions)		♣150*60	♣150*60	♣150*60
Wheels, number front/rear (× = driven wheels)		1x+1/2	1x+1/2	1x+1/2
Tread, front	b ₁₀ (mm)	523	523	523
Tread, rear	b ₁₁ (mm)	1066-1466	1066-1466	1066-1466
Height, mast lowered	h ₁ (mm)	2145/1895/2145/2295/2395	2145/1895/2145/2295/2395	2145/1895/2145/2295/2395
Lift	h ₂ (mm)	1600/2500/3000/3300/3500	1600/2500/3000/3300/3500	1600/2500/3000/3300/3500
Height, mast extended	h ₃ (mm)	2145/3145/3645/3995/4145	2145/3145/3645/3995/4145	2145/3145/3645/3995/4145
Height drawbar in driving position min./max.	h ₄ (mm)	670/1300	670/1300	670/1300
Height, lowered	h ₁₄ (mm)	70	70	70
Overall length	h ₁₃ (mm)	1786/1866	1786/1866	1786/1866
Length to face of forks	l ₁ (mm)	717	717	717
Overall width	l ₂ (mm)	1182-1582	1182-1582	1182-1582
Fork dimensions DIN ISO 2331	b ₁ /b ₂ (mm)	35*100*1070(1150)	35*100*1070(1150)	35*100*1070(1150)
Fork spread	s/e/l (mm)	200-800	200-800	200-800
Ground clearance, centre of wheelbase	b ₅ (mm)	65	65	65
Aisle width for pallets 1000 × 1200 crossways	m ₂ (mm)	2366	2366	2366
Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2300	2300	2300
Turning radius	Ast (mm)	1530	1530	1530
Travel speed, laden/unladen	Wa (mm)	4.5/5	4.5/5	4.5/5
Lift speed, laden/unladen	km/h	0.11/0.14	0.09/0.14	0.08/0.11
Lowering speed, lade/unladen	m/s	0.12/0.10	0.12/0.10	0.12/0.10
Gradeability, laden/unladen	m/s	6/15	6/15	6/15
Max. gradeability, laden/unladen	%	6/15	6/15	6/15
Service brake	%	Electromagnetic	Electromagnetic	Electromagnetic
Drive motor rating S2 60 min	kW	0.65	0.65	0.65
Lift motor rating at S3 15%	kW	2.2	2.2	2.2
Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/105(125)	24/105(125)	24/125
Battery weight	kg	52(70)	52(70)	70
Sound pressure level at the driver ' s seat	dB (A)	70	70	70





CDD10R-E/CDD12R-E/CDD15R-E



CTD10R-E/CTD12R-E/CTD15R-E

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.

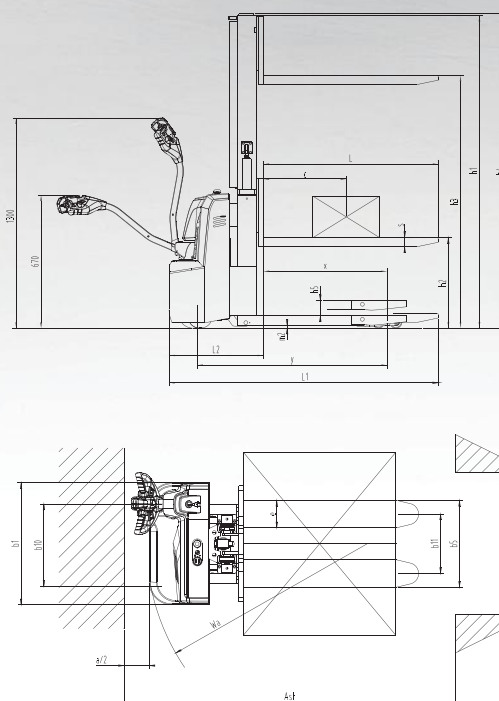


Floor type drive wheel



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





CDD10/12RDS-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.

① With double decker ,mast lift 1000kgs and support arm lift 1000kgs, total load is 1000kgs if use double pallet.

② Mast with excellent visibility for wide view of the forks .

③ Compact design With very small turning radius, offer a range of application option in very confined space.



Model		CDD10RDS-E	CDD12RDS-E
Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Electric	Electric
Operator type: hand, pedestrian, standing, seated, order-picker		Pedestrian	Pedestrian
Rated capacity/rated load	Q (kg)	1000	1200
Load centre distance	c (mm)	600	600
Load distance, centre of drive axle to fork	x (mm)	812	812
Wheelbase	y (mm)	1272	1272
Service weight	kg	640	685
Axle loading, laden front/rear	kg	1035/605	1190/695
Axle loading, unladen front/rear	kg	182/458	194/491
Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane	Polyurethane
Tyre size, front		¢195*70	¢195*70
Tyre size, rear		¢80*70	¢80*70
Additional wheels (dimensions)		¢150*60	¢150*60
Wheels, number front/rear (x = driven wheels)		1x+1/4	1x+1/4
Tread, front	b ₁₀ (mm)	523	523
Tread, rear	b ₁₁ (mm)	390	390
Height, mast lowered	h ₁ (mm)	2050/2400	2050/2400
Free lift	h ₂ (mm)	N/A	N/A
Lift	h ₃ (mm)	1600/1950	1600/1950
Height, mast extended	h ₄ (mm)	2060/2410	2060/2410
Initial lift	h ₅ (mm)	120	120
Height drawbar in driving position min./max.	h ₁₄ (mm)	670/1300	670/1300
Height of wheel arms	h ₈ (mm)	82/202	82/202
Height, lowered	h ₁₃ (mm)	90	90
Overall length	l ₁ (mm)	1690(1770)	1690(1770)
Length to face of forks	l ₂ (mm)	619	619
Overall width	b ₁ /b ₂ (mm)	800	800
Fork dimensions DIN ISO 2331	s/e/l (mm)	60/180/1070(1150)	60/180/1070(1150)
Fork spread	b ₅ (mm)	570	570
Ground clearance, centre of wheelbase	m ₂ (mm)	17-137	17-137
Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2286	2286
Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2224	2224
Turning radius	Wa (mm)	1450	1450
Travel speed, laden/unladen	km/h	4.5/5.0	4.5/5.0
Lift speed, laden/unladen	m/s	0.11/0.14	0.11/0.14
Lowering speed, lade/unladen	m/s	0.12/0.10	0.12/0.10
Max. gradeability, laden/unladen	%	6/15	6/15
Service brake		Electromagnetic	Electromagnetic
Drive motor rating S2 60 min	kW	0.65(DC)	0.65(DC)
Lift motor rating at S3 15%	kW	2.2	2.2
Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/105(125)	24/105(125)
Battery weight	kg	60.8(70)	60.8(70)
Sound pressure level at the driver 's seat	dB (A)	70	70



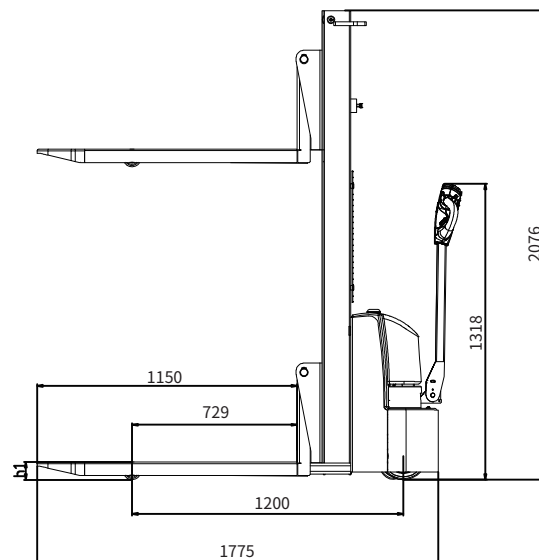
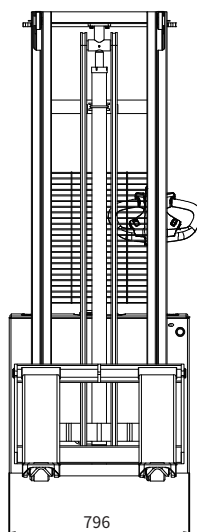
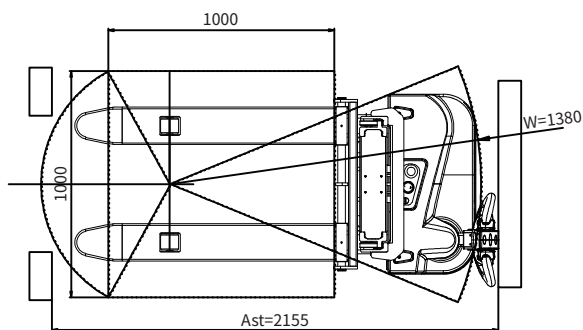
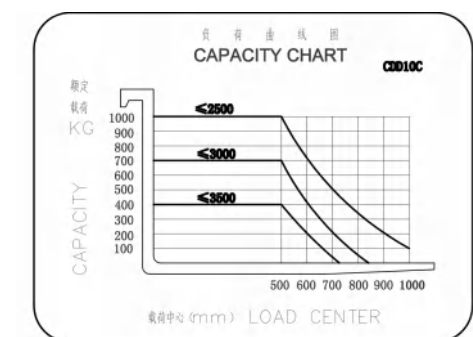
CDDR10/15



FEATURE FOR CDDR10/CDDR15

- It is a cost-effective walking stacker suitable for medium and short distance transportation and a variety of high-intensity scenarios.
- Built-in high-performance sealed battery, long-term maintenance-free use, no need to add liquid and water during the life.
- Small size, saving space, and smooth passage even in small passages.

Model		CDDR10	CDDR15
Load capacity/rated load	Q(kg)	1000	1500
Load center distance	c(mm)	500	500
Load distance,centre of drive axle to fork	x(mm)	720	720
Fork height,lowered	h_{13} (mm)	85	85
Tyre size,front	mm	Dia210x70	Dia210x70
Tyre size,rear	mm	Dia80x70	Dia80x70
Additional Wheels(dimensions)	mm	Dia125x50	Dia125x50
Wheel,number front rear(x=driven wheels)		1X+1/4	1X+1/4
Height,mast lowered	h_1 (mm)	2075/1825/2075	2075/1825/2075
Max.lift height	h_3 (mm)	1600/2500/3000	1600/2500/3000
Height,mast extended	h_4 (mm)	2075/3037/3537	2075/3037/3537
Height of tiller in drive position min./max.	h_{14} (mm)	-/1318/1318	-/1318/1318
Overall length	l_1 (mm)	1785	1785
Length to face of forks	l_2 (mm)	635	635
Overall width	b_1 (mm)	800	800
Fork dimensions	s/e/l(mm)	65/165/1150	65/165/1150
Width overall forks	b_5 (mm)	680-337	680-337
Aisle width for pallets 800x1200lengthways	A_{st} (mm)	2255	2255
Turning radius	W_a (mm)	1380	1380
Travel speed,laden/unladen	Km/h	3.5/4.0	3.5/4.0
Lift speed,laden/unladen	m/s	0.095/0.101	0.092/0.101
Lowering speed,laden/unladen	m/s	0.096/0.115	0.096/0.115
Battery voltage,nominal capacity K5(Duplex Mast)	V/Ah	2X12/80	2X12/80
Battery weight	kg	2x40	2x40
Battery dimensions l/w/h	mm	262x165x169	262x165x169
Service weight(with battery)	kg	506/546/566	596/626/656





CDDR15-II/III

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



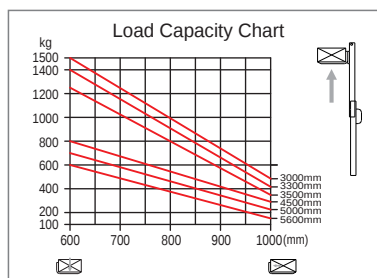
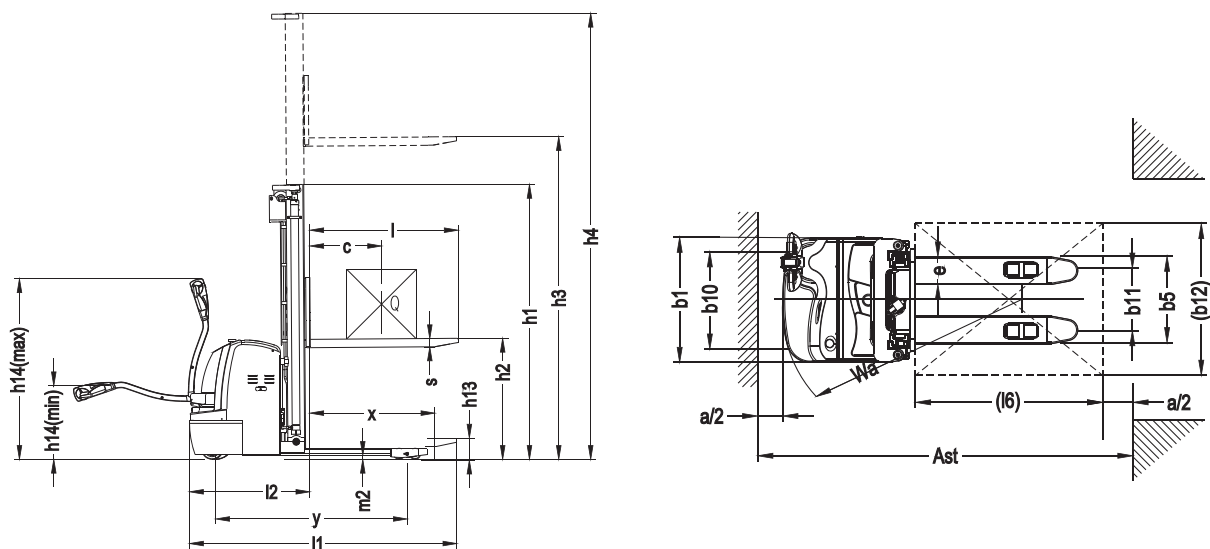
Conforms to EN ISO3691-1
EN1175-1
EN16307-1
Based on Directive 2006/42/EC
Conform to EN Standard 12895
Based on directive: 2014/30/EU (EMC)

Model		CDDR15-II	CDDR15-III	CDDR15-III
Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Electric	Electric	Electric
Operator type: hand, pedestrian, standing, seated, order-picker		Pedestrian	Pedestrian	Pedestrian
Rated capacity/rated load	Q (kg)	1500	1500	1500
Load centre distance	c (mm)	600	600	600
Load distance, centre of drive axle to fork	x (mm)	697	697	770
Wheelbase	y (mm)	1383	1410	1387
Service weight	kg	1140/1190/1200/1290/1370/1400/1530	760/810/835/860	1185/1205/1225
Axle loading, laden front/rear	kg	1400/1250	1280/1070	1280/1070
Axle loading, unladen front/rear	kg	820/330	650/200	650/200
Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane	Polyurethane	Polyurethane
Tyre size, front		♣250*70	♣250*70	♣250*70
Tyre size, rear		♣80*84	♣80*70	♣80*70
Additional wheels (dimensions)		♣150*60	♣150*60	♣150*60
Wheels, number front/rear (x = driven wheels)		1x+1/4	1x+1/4	1x+1/4
Tread, front	b ₁₀ (mm)	520	520	520
Tread, rear	b ₁₁ (mm)	405/530	400/525	400/525
Height, mast lowered	h ₁ (mm)	1735/1985/2135/2235/2050/2210/2410	2087/1837/2087/2237	2054/2214/2414
Free lift	h ₂ (mm)	1300/1550/1700/1800/1570/1740/1940	N/A	1570/1740/1940
Lift	h ₃ (mm)	2500/3000/3300/3500/4500/5000/5600	1600/2500/3000/3300	4500/5000/5600
Height, mast extended	h ₄ (mm)	2955/3455/3755/3955/5030/5510/6110	2087/3087/3587/3887	5030/5510/6110
Height drawbar in driving position min./max.	h ₁₄ (mm)	670/1300	670/1300	670/1300
Height of wheel arms	h ₈ (mm)	81	81	81
Height, lowered	h ₁₃ (mm)	90	90	90
Overall length	l ₁ (mm)	1948(2028)	1948(2028)	1975(2055)
Length to face of forks	l ₂ (mm)	878	878	905
Overall width	b ₁ /b ₂ (mm)	820	820	820
Fork dimensions DIN ISO 2331	s/e/l (mm)	60/180/1070(1150)	60/170/1070(1150)	60/170/1070(1150)
Fork spread	b ₅ (mm)	570/695	570/695	570/695
Ground clearance, centre of wheelbase	m ₂ (mm)	31	26	26
Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2450	2480	2480
Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2420	2450	2450
Turning radius	Wa (mm)	1575	1605	1575
Travel speed, laden/unladen	km/h	5.8/6.0	5.8/6.0	5.8/6.0
Lift speed, laden/unladen	m/s	0.11/0.16	0.09/0.16	0.09/0.16
Lowering speed, lade/unladen	m/s	0.14/0.19	0.15/0.16	0.15/0.16
Max. gradeability, laden/unladen	%	8/15	6/15	6/15
Service brake		Electromagnetic	Electromagnetic	Electromagnetic
Drive motor rating S2 60 min	kW	1.2(AC)	1.2(AC)	1.2(AC)
Lift motor rating at S3 15%	kW	3	2.2	2.2
Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/240	24/200	24/200
Battery weight	kg	220	160	160
Sound pressure level at the driver 's seat	dB (A)	70	70	70

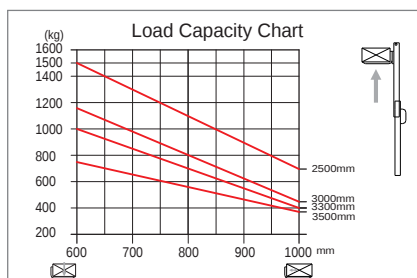
Option:  Lithium battery 225AH (Charger 24V/100A)



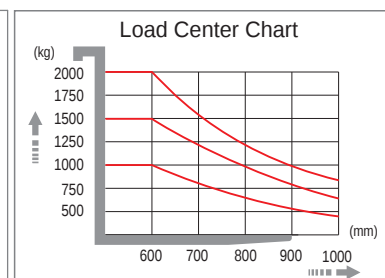
* photo shown is model CDDR15-III
without free lifting



CDDR15-I/CDDR15-II



CDDR15-III



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.

STRUCTURAL

- 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 oll-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)



Mast



Vertical Drive Wheel



Option: Initial lifting with double-pallet function



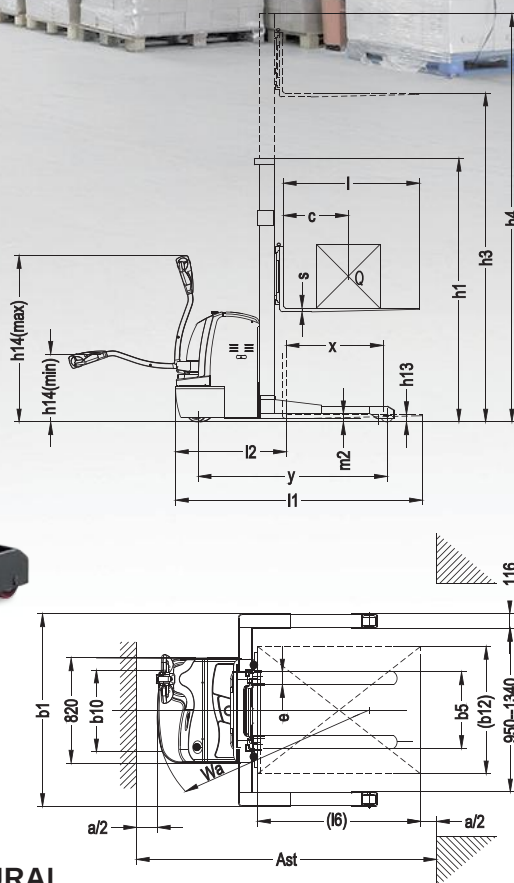
RUYI Handle



Frei tiller head with one side lifting button (option)



Germany Tiller Head with big buttons



AC

CTDR15-II/III

Straddle legs with adjustable forks

SERVICEABILITY:

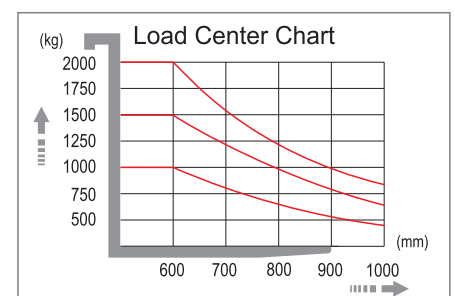
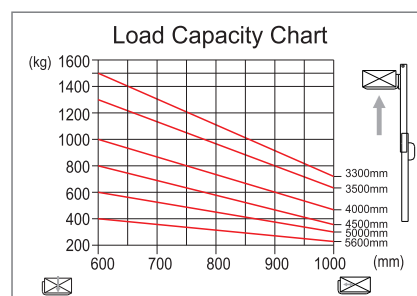
- Technology reduces wiring complexity.
- Side-way battery with roll-out system, convenient for replacement.



STRUCTURAL

- Advanced AC control system intelligentized 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.

Model		CTDR15-II	CTDR15-III	CTDR15-III
Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Electric	Electric	Electric
Operator type: hand, pedestrian, standing, seated, order-picker		Pedestrian	Pedestrian	Pedestrian
Rated capacity/rated load	Q (kg)	1500	1500	1500
Load centre distance	c (mm)	600	600	600
Load distance, centre of drive axle to fork	x (mm)	677	795	779
Wheelbase	y (mm)	1420	1460	1539
Service weight	kg	1040/1160/1170/1200/1375/1410/1450	940/960/980/1005	1315/1350/1390
Axle loading, laden front/rear	kg	1408/1250	1340/1120	1506/1344
Axle loading, unladen front/rear	kg	827/333	734/226	963/387
Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane	Polyurethane	Polyurethane
Tyre size, front		Φ250*70	Φ250*70	Φ250*70
Tyre size, rear		Φ80*84	Φ98*82	Φ98*82
Additional wheels (dimensions)		Φ150*60	Φ150*60	Φ150*60
Wheels, number front/rear (x = driven wheels)		1x+2/4	1x+2/2	1x+2/2
Tread, front	b ₁₀ (mm)	520	520	520
Tread, rear	b ₁₁ (mm)	1040/1430	1066/1466	1066/1466
Height, mast lowered	h ₁ (mm)	1805/2055/2205/2305/2120/2280/2480	2145/1895/2145/2295	2120/2280/2480
Free lift	h ₂ (mm)	1300/1550/1700/1800/1570/1740/1940	N/A	1570/1740/1940
Lift	h ₃ (mm)	2500/3000/3300/3500/4500/5000/5600	1600/2500/3000/3300	4500/5000/5600
Height, mast extended	h ₄ (mm)	3025/3525/3825/4025/5080/5560/6160	2145/3145/3645/3995	5060/5560/6160
Height drawbar in driving position min./max.	h ₁₄ (mm)	670/1300	670/1300	670/1300
Height of wheel arms	h ₈ (mm)	86	125	125
Height, lowered	h ₁₃ (mm)	70	70	70
Overall length	l ₁ (mm)	1980(2060)	2015(2095)	2020(2100)
Length to face of forks	l ₂ (mm)	915	970	950
Overall width	b ₁ /b ₂ (mm)	1170/1560	1182/1582	1182/1582
Fork dimensions DIN ISO 2331	s/e/l (mm)	35/100/1070(1150)	35/100/1070(1150)	35/100/1070(1150)
Fork spread	b ₅ (mm)	200-800	200-800	200-800
Ground clearance, centre of wheelbase	m ₂ (mm)	35	35	35
Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2480	2530	2569
Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2465	2500	2475
Turning radius	Wa (mm)	1610	1655	1730
Travel speed, laden/unladen	km/h	5.8/6.0	5.8/6.0	5.8/6.0
Lift speed, laden/unladen	m/s	0.11/0.16	0.09/0.16	0.09/0.16
Lowering speed, lade/unladen	m/s	0.14/0.19	0.15/0.16	0.15/0.16
Max. gradeability, laden/unladen	%	8/15	6/15	6/15
Service brake		Electromagnetic	Electromagnetic	Electromagnetic
Drive motor rating S2 60 min	kW	1.2(AC)	1.2(AC)	1.2(AC)
Lift motor rating at S3 15%	kW	3	2.2	2.2
Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/240	24/200	24/200
Battery weight	kg	220	160	160
Sound pressure level at the driver 's seat	dB (A)	70	70	70





CDDK15-II/III

Electric Rider Stacker

AC

EPS
(Option)



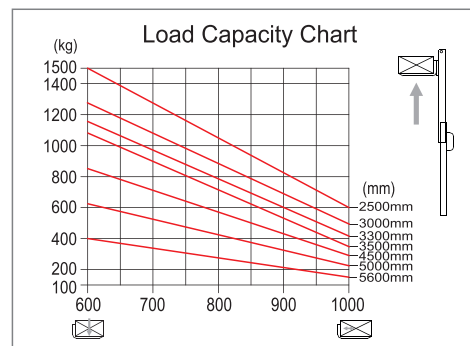
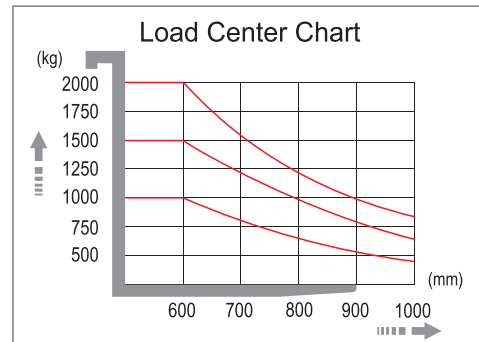
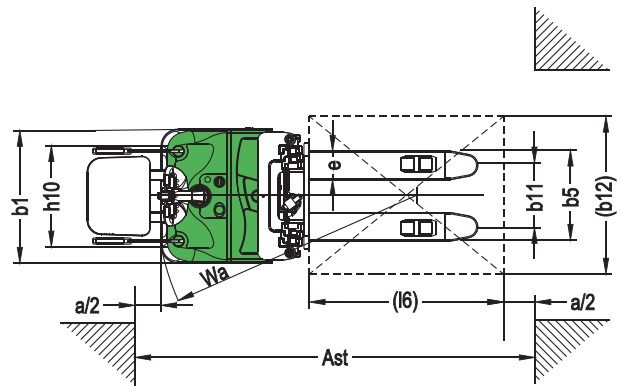
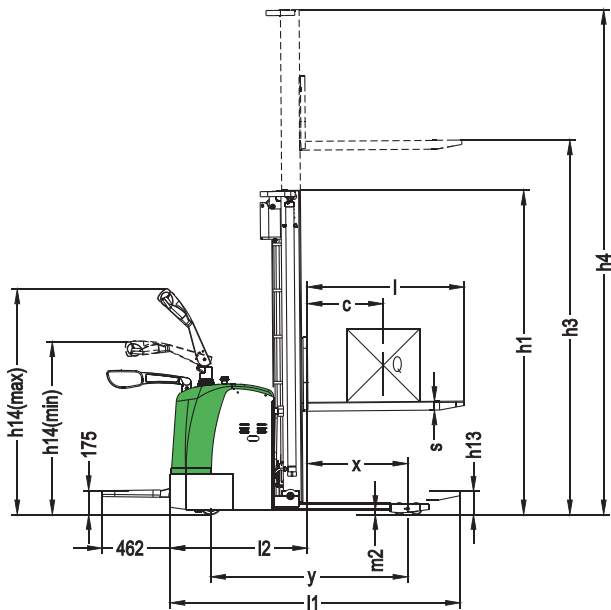
Conforms to EN ISO3691-1
EN1175-1
EN16307-1
Based on Directive 2006/42/EC
Conform to EN Standard 12895
Based on directive: 2014/30/EU (EMC)

Model		CDDK15-II	CDDK15-III	CDDK15-III
Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Electric	Electric	Electric
Operator type: hand, pedestrian, standing, seated, order-picker		Standing	Standing	Standing
Rated capacity/rated load	Q (kg)	1500	1500	1500
Load centre distance	c (mm)	600	600	600
Load distance, centre of drive axle to fork	x (mm)	697	697	697
Wheelbase	y (mm)	1378	1405	1405
Service weight	kg	1140/1190/1200/1290 1370/1400/1530	760/810/835/860	
Axle loading, laden front/rear	kg	1830/1140	1280/1070	1280/1070
Axle loading, unladen front/rear	kg	1040/470	650/200	650/200
Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane	Polyurethane	Polyurethane
Tyre size, front		¢250*70	¢250*70	¢250*70
Tyre size, rear		¢80*84	¢80*70	¢80*70
Additional wheels (dimensions)		¢150*60	¢150*60	¢150*60
Wheels, number front/rear (x = driven wheels)		1x+1/4	1x+2/4	1x+2/4
Tread, front	b ₁₀ (mm)	500	586	586
Tread, rear	b ₁₁ (mm)	404/530	410/525	410/525
Height, mast lowered	h ₁ (mm)	1735/1985/2135/2235 2050/2210/2410	2087/1837/2087/2237	2050/2210/2410
Free lift	h ₂ (mm)	1300/1550/1700/1800 1570/1740/1940	N/A	1570/1740/1940
Lift	h ₃ (mm)	2500/3000/3300/3500 4500/5000/5600	1600/2500/3000/3300	4500/5000/5600
Height, mast extended	h ₄ (mm)	2955/3455/3755/3955 5030/5510/6110	2087/3087/3587/3887	5030/5510/6110
Height drawbar in driving position min./max.	h ₁₄ (mm)	1150/1450	1150/1450	1150/1450
Height of wheel arms	h ₈ (mm)	81	81	81
Height, lowered	h ₁₃ (mm)	90	90	90
Overall length	l ₁ (mm)	2020(2100)	1990(2070)	1990(2070)
Length to face of forks	l ₂ (mm)	950	920	920
Overall width	b ₁ /b ₂ (mm)	850	850	850
Fork dimensions DIN ISO 2331	s/e/l (mm)	60/180/1070(1150)	60/170/1070(1150)	60/170/1070(1150)
Fork spread	b ₅ (mm)	570/695	570/695	570/695
Ground clearance, centre of wheelbase	m ₂ (mm)	31	26	26
Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2535	2550	2550
Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2515	2520	2520
Turning radius	Wa (mm)	1655	1655	1655
Travel speed, laden/unladen	km/h	7.0/7.1	6.5/6.7	6.5/6.7
Lift speed, laden/unladen	m/s	0.11/0.16	0.09/0.16	0.09/0.16
Lowering speed, lade/unladen	m/s	0.14/0.19	0.15/0.16	0.15/0.16
Max. gradeability, laden/unladen	%	8/15	6/15	6/15
Service brake		Electromagnetic	Electromagnetic	Electromagnetic
Drive motor rating S2 60 min	kW	1.2(AC)	1.2(AC)	1.2(AC)
Lift motor rating at S3 15%	kW	3.0	2.2	2.2
Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/240 24/300	24/200	24/200
Battery weight	kg	220 260	160	160
Sound pressure level at the driver 's seat	dB (A)	70	70	70

*The weight shown is for 240AH battery.

Option: With EPS the drive wheel size is 250x80mm

Lithium battery 225AH (Charger 24V/100A)





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)

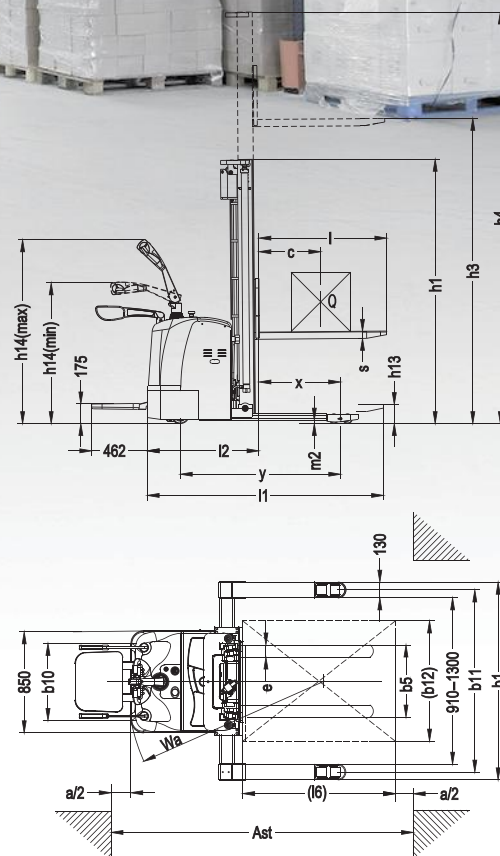
SERVICEABILITY

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



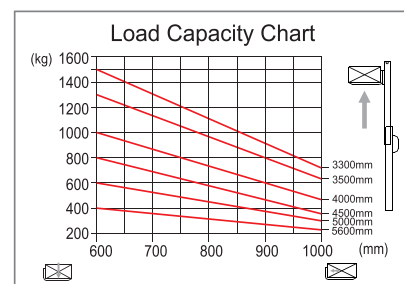
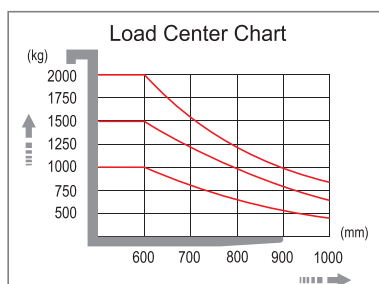
Initial lifting with double-pallet function

Model	Remarks
CDDK15- II	Standard configuration
CDDK10- III /12- III	Economy type (DC brushless)



Model		CTDK15-II	CTDK15-III	CTDK15-III
Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Electric	Electric	Electric
Operator type: hand, pedestrian, standing, seated, order-picker		Standing	Standing	Standing
Rated capacity/rated load	Q (kg)	1500	1500	1500
Load centre distance	c (mm)	600	600	600
Load distance, centre of drive axle to fork	x (mm)	677	795	795
Wheelbase	y (mm)	1415	1460	1460
Service weight	kg	1260/1285/1300/1310 1360/1380/1400	940/960/980/1005	
Axle loading, laden front/rear	kg	1830/1180	1340/1120	1340/1120
Axle loading, unladen front/rear	kg	1040/470	734/226	734/226
Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane	Polyurethane	Polyurethane
Tyre size, front		Φ250*70	Φ250*70	Φ250*70
Tyre size, rear		Φ80*84	Φ98*82	Φ98*82
Additional wheels (dimensions)		Φ150*60	Φ150*60	Φ150*60
Wheels, number front/rear (x = driven wheels)		1x+1/4	1x+2/2	1x+2/2
Tread, front	b ₁₀ (mm)	580	586	586
Tread, rear	b ₁₁ (mm)	1040/1430	410/525	410/525
Height, mast lowered	h ₁ (mm)	1805/2055/2205/2305 2120/2280/2480	2145/1895/2145/2295	2120/2280/2480
Free lift	h ₂ (mm)	1300/1550/1700/1800 1570/1740/1940	N/A	1570/1740/1940
Lift	h ₃ (mm)	2500/3000/3300/3500 4500/5000/5600	1600/2500/3000/3300/3500	4500/5000/5600
Height, mast extended	h ₄ (mm)	3025/3525/3825/4025 5080/5560/6160	2145/3145/3645/3995/4145	5060/5560/6160
Height drawbar in driving position min./max.	h ₁₄ (mm)	1150/1450	670/1300	670/1300
Height of wheel arms	h ₈ (mm)	86	125	125
Height, lowered	h ₁₃ (mm)	70	70	70
Overall length	l ₁ (mm)	2020(2100)	2055(2135)	2055(2135)
Length to face of forks	l ₂ (mm)	962	970	970
Overall width	b ₁ /b ₂ (mm)	1170/1560	1182/1582	1182/1582
Fork dimensions DIN ISO 2331	s/e/l (mm)	35/100/1070(1150)	35/100/1070(1150)	35/100/1070(1150)
Fork spread	b ₅ (mm)	200-800	200-800	200-800
Ground clearance, centre of wheelbase	m ₂ (mm)	35	65	65
Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2565	2670	2670
Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2545	2585	2585
Turning radius	Wa (mm)	1695	1850	1850
Travel speed, laden/unladen	km/h	7.0/7.1	6.5/6.7	6.5/6.7
Lift speed, laden/unladen	m/s	0-0.16/0-0.24	0.09/0.16	0.09/0.16
Lowering speed, lade/unladen	m/s	0-0.39/0-0.26	0.15/0.16	0.15/0.16
Max. gradeability, laden/unladen	%	8/15	6/15	6/15
Service brake		Electromagnetic	Electromagnetic	Electromagnetic
Drive motor rating S2 60 min	kW	1.5(AC)	1.5(AC)	1.5(AC)
Lift motor rating at S3 15%	kW	3	2.2	2.2
Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/240 24/300	24/200	24/200
Battery weight	kg	220 260	160	160
Sound pressure level at the driver 's seat	dB (A)	70	70	70

Option: With EPS the drive wheel size is 250x80mm





* photo shown for CDDK20 triplex mast

CDDK20

Heavy Duty



AC **EPS**

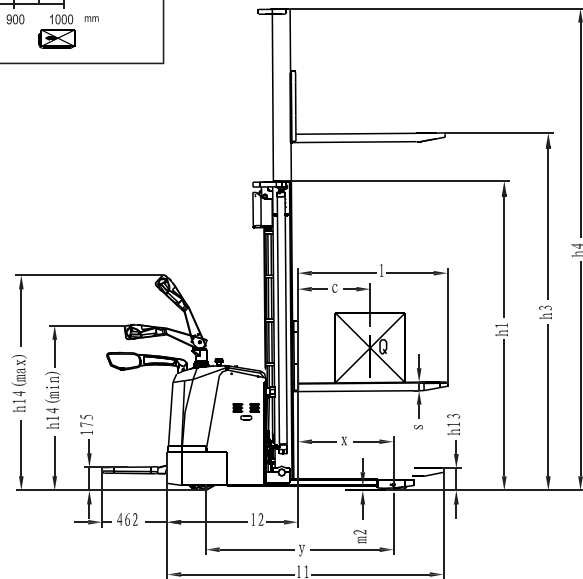
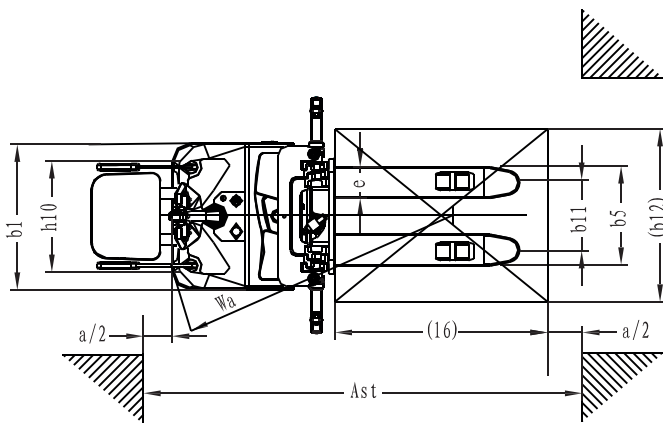
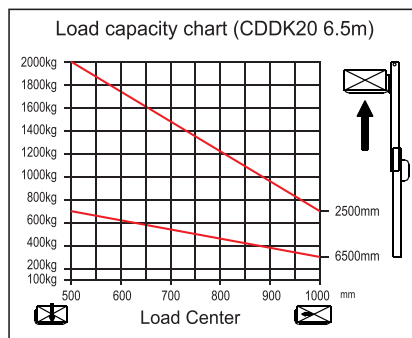
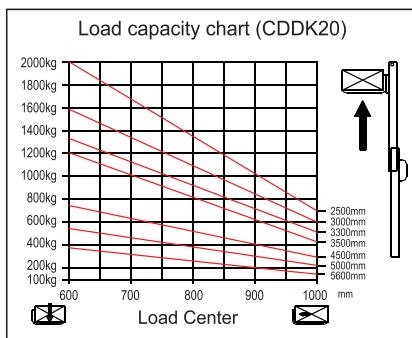


Conforms to EN ISO3691-1
EN1175-1
EN16307-1
Based on Directive 2006/42/EC

Model		CDDK20	CDDK20
Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Electric	Electric
Operator type: hand, pedestrian, standing, seated, order-picker		Standing	Standing
Rated capacity/rated load	Q (kg)	2000	2000
Load centre distance	c (mm)	600	500
Load distance, centre of drive axle to fork	x (mm)	672	672
Wheelbase	y (mm)	1378	1408
Service weight	kg	1280/1320/1350/1640/1680/1720/2020	1850
Axle loading, laden front/rear	kg	1890/1660	2090/1760
Axle loading, unladen front/rear	kg	1070/480	1270/580
Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane	Polyurethane
Tyre size, front		♣250*80	♣250*80
Tyre size, rear		♣80*84	♣80*84
Additional wheels (dimensions)		♣150*60	♣150*60
Wheels, number front/rear (× = driven wheels)		1x+1/4	1x+1/4
Tread, front	b ₁₀ (mm)	580	676
Tread, rear	b ₁₁ (mm)	404/525	404/525
Height, mast lowered	h ₁ (mm)	1735/1985/2135/2235/2050/2210/2410	2710
Free lift	h ₂ (mm)	1300/1550/1700/1800/1570/1740/1940	2240
Lift	h ₃ (mm)	2500/3000/3300/3500/4500/5000/5600	6500
Height, mast extended	h ₄ (mm)	2955/3455/3755/3955/5030/5510/6110	7050
Height drawbar in driving position min./max.	h ₁₄ (mm)	1150/1450	1150/1450
Height of wheel arms	h ₈ (mm)	81	81
Height, lowered	h ₁₃ (mm)	90	90
Overall length	l ₁ (mm)	2020(2100)	2100(2180)
Length to face of forks	l ₂ (mm)	950	950
Overall width	b ₁ /b ₂ (mm)	850	900
Fork dimensions DIN ISO 2331	s/e/l (mm)	60/180/1070(1150)	60/180/1070(1150)
Fork spread	b ₅ (mm)	570/695	570/695
Ground clearance, centre of wheelbase	m ₂ (mm)	31	31
Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2535	2615
Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2515	2595
Turning radius	Wa (mm)	1655	1735
Travel speed, laden/unladen	km/h	7.0/7.1	7.0/7.1
Lift speed, laden/unladen	m/s	0.11/0.16	0.11/0.16
Lowering speed, lade/unladen	m/s	0.12/0.11	0.12/0.11
Max. gradeability, laden/unladen	%	6/15	6/15
Service brake		Electromagnetic	Electromagnetic
Drive motor rating S2 60 min	kW	1.5(AC)	1.5(AC)
Lift motor rating at S3 15%	kW	3	3.0
Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/300	24/300
Battery weight	kg	260	260
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



SAFETY AND PRODUNCTIVITY:

- 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.

Max. Lifting Height 6.5M



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





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