

Full Electric Stacker

Model: CDDK15

AC

EPS
(Option)

Advantages:

SAFETY AND PRODUCTIVITY:

- AC Motor eliminates replacement of carbon brush.
- Multi-function display: battery power, fault code, hour meter and speed level;
- 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.

OPTIMUM STRUCTURAL DESIGN:



- Low center of gravity ensures the stable operation.
- Vertical drive wheel ensures convenience for maintenance while also ensuring a small turning radius. The structure of motor is water-proof and dust-proof, which makes 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 house. (The lifting height is 3 meters, can enter into a 2-meter height door)

SERVICEABILITY:

- Low battery protection setting prolongs the battery use 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.

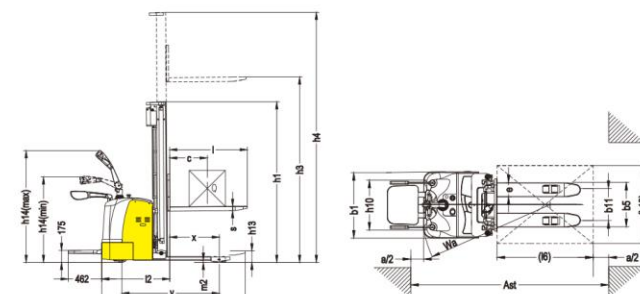
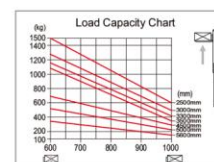
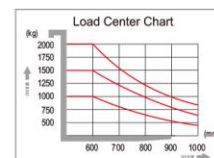


Initial lifting with double pallet

* photo shown with model CDDK15Z-II

1KG=2.205LB 1INCH=25.40MM

MODEL		CDDK15-II	CDDK15-III
Drive type		electric	electric
Operation type		standing	standing
Load capacity/rated load	Q(kg)	1500	1500
Load centre distance	c(mm)	600	500
Load distance,centre of drive axle to fork	x(mm)	672	697
Fork height, lowered	h_0 (mm)	90	90
Wheelbase	Y(mm)	1378	1405
Axle loading,laden front/rear	kg	1440/1280	1280/1070
Axle loading,unladen front/rear	kg	870/350	200/850
Tyres		polyurethane	PU
Tyre size,front	mm	φ 250x70	φ 250x70
Tyre size rear	mm	φ 80x84	φ 80x70
Additional wheels(dimensions)	mm	φ 150x60	φ 150x60
Wheels,number front rear(x=driven wheels)		1x+2/4	1x+2/4
Tread,front	b_0 (mm)	580	586
Tread,rear	b_1 (mm)	404/530	410/525
Height,mast lowered	h_1 (mm)	1735/1985/2135/2235/2050/2210/2410	~
Free lift	h_2 (mm)	1300/1550/1700/1800/1570/1740/1940	2500/3000/3300
Max. Lift height	h_3 (mm)	2500/3000/3300/3500/4500/5000/5600	3087/3587/3887
Height,mast extended	h_4 (mm)	2955/3455/3795/3955/4155/4550/5550/6150	1150/1450
Initial lift	h_5 (mm)	2020/2100	2025
Overall length	l_1 (mm)	950	920
Length to face of forks	l_2 (mm)	850	850
Overall width	b_2 (mm)	60/180/1070(1150)	60/170/1070(1150)
Fork dimensions	s/e/l(mm)	570/695	580/695
Width overall forks	b_3 (mm)	31	28
Ground clearance,centre of wheelbase	m_1 (mm)	2535	2550
Aisle width for pallets 1000x1200 crossways	A_1 (mm)	2515	2520
Aisle width for pallets 800x1200 lengthways	A_2 (mm)	1655	1655
Turning radius	W_1 (mm)	6.5/6.7	5.8/6
Travel speed,laden/unladen	Km/h	0.11/0.14	0.06/0.13
Lift speed,laden/unladen	m/s	0.12/0.12	0.13/0.10
Lowering speed,laden/unladen	m/s	8/15	6/10
Gradeability,laden/unladen	%	Electromagnetic	Electromagnetic
Service brake			24/200
Battery voltage,nominal capacity K5	V/Ah	24/240	24/300
Battery weight	kg	240	70
Battery dimensions l/w/h	mm	675x254x500	675x254x540
Sound level at the driver's ear acc.to DIN 12053	dB(A)		
Service weight (with battery)	kg	(240Ah)1180/1205/1220/1230/1280/1300/1320	830/840/850



Double Pallet Electric Stacker

Model: CDDK15S

This heavy stacker includes two modes with a rated load capacity of 1500kgs. Specifically designed for intensive stocking operations at medium height warehouse. A 2000kgs load can be transported using the initial lift function.

Advantages:

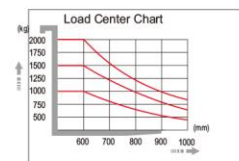
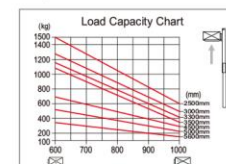
- The 4- points support structure with side tiller, low center of gravity design with excellent stability.
- Double pallet design: two pallet handled at one time, initial lift of load leg increases ground clearance to negotiate easily ramps, dock levelers and bridging plates.
- Vertical driving wheel,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



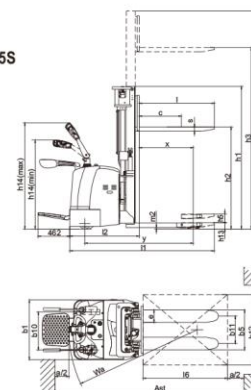
1KG=2.205LB 1INCH=25.40MM

MODEL		CDDK15S
Drive type		electric
Operation type		standing
Load capacity/rated load	Q(kg)	1500
Load centre distance	c(mm)	600
Load distance, centre of drive axle to fork	x(mm)	768
Fork height, lowered	h ₁ (mm)	90
Wheelbase	y(mm)	1510
Axle loading, laden front/rear	kg	1480/1320
Axle loading, unladen front/rear	kg	910/390
Tyres		polyurethane
Tyre size, front	mm	Φ 250X70
Tyre size, rear	mm	Φ 80X70
Additional wheels(dimensions)	mm	Φ 150X47
Wheels, number front rear(=driven wheels)		1x+1/4
Tread, front		540
Tread, rear	b ₁ (mm)	390
Height, mast lowered	b ₂ (mm)	1757/2007/2157/2257 2022/2182/2382
Free lift	h ₁ (mm)	1300/1550/1700/1800 1570/1740/1940
Max. lift height	h ₂ (mm)	2500/3000/3300/3500 4500/5000/5600
Height, mast extended	h ₃ (mm)	2977/3477/3777/3977 4952/5442/6042
Initial lift	h ₄ (mm)	120
Height of tiller in drive position min/max.	h ₅ (mm)	1150/1450
Overall length	h ₆ (mm)	2058
Length to face of forks	l ₁ (mm)	988
Overall width	l ₂ (mm)	850
Fork dimensions	b ₁ (mm)	60/180/1070(1150)
Width overall forks	s/e/l(mm)	570
Ground clearance, centre of wheelbase	b ₂ (mm)	17-137
Aisle width for pallets 1000x1200 crossways	m ₂ (mm)	2631
Aisle width for pallets 800x1200 lengthways	A ₁ (mm)	2575
Turning radius	A ₂ (mm)	1786
Travel speed, laden/unladen	W ₁ (mm)	6.2/6.5
Lift speed, laden/unladen	Km/h	0.1/0.12
Lowering speed, laden/unladen	m/s	0.2/0.12
Max. gradeability, laden/unladen	%	6/10
Service brake		Electromagnetic
Battery weight		24/240 24/300
Battery voltage/nominal capacity K ₁	V/Ah	675X254X500
Sound level at the driver's ear acc. to DIN 12053	kg	70
Service weight(with battery)	mm	1260
	dB(A)	
	kg	

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



CDDK15S



Full Electric Stacker

Model: CDDR15 CDDR15Z (full free lifting)



AC

Advantages:

STRUCTURAL AND SAFETY:

- Advanced AC control system: Intelligentized regenerative brake system.
- Multi-function display with BDI and fault code 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.
- Standing drive motor system 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 utilizes regenerative braking.
- Side-way battery with roll-out system is very convenient for replacement.



Option: Initial lifting with double pallet



CDDR15-III mast



Standing Drive Wheel

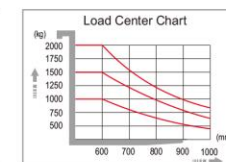
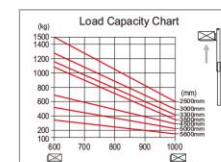


Option: Built-in Charger

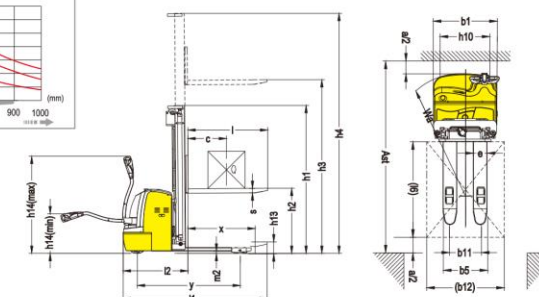
* photo shown with model CDDR15Z

1KG=2.205LB 1INCH=25.40MM

MODEL		CDDR15- I	CDDR15- II	CDDR15Z- I	CDDR15Z- II	CDDR15-III
Drive type		electric		electric		electric
Operation type		pedestrian		pedestrian		pedestrian
Load capacity	Q(kg)	1500		1500		1500
Load centre distance	c(mm)	600		600		500
Load distance, centre of drive axle to fork	x(mm)	697		697		697
Fork height, lowered	h ₀ (mm)	90		90		90
Wheelbase	y(mm)	1383		1383		1410
Axle loading, laden front/rear	kg	1470/1310	1440/1280	1470/1310	1440/1280	1280/1070
Axle loading, unladen front/rear	kg	900/380	870/350	900/380	870/350	200/650
Tyres		polyurethane		polyurethane		polyurethane
Tyre size, front	mm	φ 250x70		φ 250x70		φ 250 × 70
Tyre size rear	mm	φ 80x84		φ 80x84		φ 80 × 70
Additional wheels(dimensions)	mm	φ 150x60		φ 150x60		φ 150 × 60
Wheels, number front rear(x=driven wheels)		1x+1/4		1x+1/4		1x+1/4
Tread, front	b ₀ (mm)	520		520		520
Tread, rear	b ₁ (mm)	404/525		404/525		520
Height, mast lowered	h ₁ (mm)	1735/1985/2135/2235/2050/2210/2410		1735/1985/2135/2235/2050/2210/2410		410/525
Free lift	h ₂ (mm)	~		1300/1550/1700/1800/1570/1740/1940		1837/2087/2237
Max. lift height	h ₃ (mm)	2500/3000/3300/3500/4500/5000/5600		2500/3000/3300/3500/4500/5000/5600		~
Height, mast extended	h ₄ (mm)	2955/3455/3755/3955/5070/5550/6150		2955/3455/3755/3955/5070/5550/6150		2500/3000/3300
Height of filler in drive position min./max.	h ₅ (mm)	670/1300		670/1300		3087/3587/3887
Overall length	l ₁ (mm)	1950		1950		670/1300
Length to face of forks	l ₂ (mm)	878		878		2045
Overall width	b ₁ (mm)	820		820		878
Fork dimensions	s/e(l)(mm)	60/180/1070/(1150)		60/180/1070/(1150)		60/170/1070/(1150)
Width overall forks	b ₂ (mm)	570/695		570/695		580/695
Ground clearance, centre of wheelbase	m ₂ (mm)	31		31		28
Aisle width for pallets 1000x1200 crossways	A ₁ (mm)	2450		2450		2480
Aisle width for pallets 800x1200 lengthways	A ₂ (mm)	2420		2420		2450
Turning radius	W ₁ (mm)	1675		1675		1605
Travel speed, laden/unladen	Km/h	0-0.12/0-0.19		0-0.12/0-0.19		5.8/6 4.2/5.7
Lift speed, laden/unladen	m/s	0-0.35/0-0.12		0-0.35/0-0.12		0.06/0.13
Lowering speed, laden/unladen	m/s	8/15		8/15		0.13/0.10
Gradeability, laden/unladen	%	Electromagnetic		Electromagnetic		6/15
Service brake		24/300		24/300		Electromagnetic
Battery voltage,nominal capacity K ₁ (Duplex Mast)	V/Ah	24/300		24/300		24/200
Battery voltage,nominal capacity K ₂ (Triplex Mast)	V/Ah	300		300		~
Battery weight	kg	675x254x545		675x254x545		200
Battery dimensions l/w/h	mm	65		65		800x254x320
Sound level at the driver's ear acc. to DIN 12053	dB(A)					70
Service weight (with battery)	kg	1220/1245/1260/1270/1310/1340/1360	1160/1185/1200/1210/1260/1280/1300	1230/1255/1270/1280/1330/1350/1370	1170/1195/1210/1220/1270/1290/1310	830/840/850



Model	Battery	Drive motor	Pump
CDDR15- I	24V/300Ah	1.6KW	3KW (lifting speed is adjustable)
CDDR15Z- I	24V/240Ah	1.2KW	3KW
CDDR15- II	24V/200Ah	DC 0.9KW	2.2KW
CDDR15Z- II	24V/200Ah	AC 1.2KW	



Double Pallet Electric Stacker

Model: CDDR15S

This heavy stacker includes two modes with a rated load capacity of 1500kgs. Specifically designed for intensive stocking operations at medium height warehouse. A 2000kgs load can be transported using the initial lift function.

Advantages:

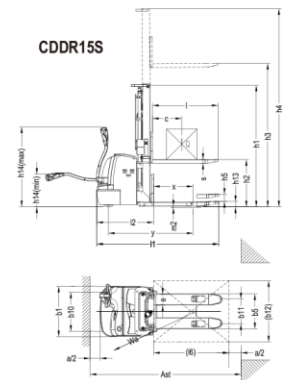
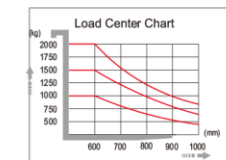
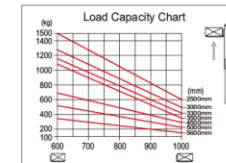
- The 4- points support structure with side tiller, low center of gravity design with excellent stability.
- Double pallet design: two pallet handled at one time, initial lift of load leg increases ground clearance to negotiate easily ramps, dock levelers and bridging plates.
- Vertical driving wheel,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



1KG=2.205LB 1INCH=25.40MM

MODEL		CDDR15S
Drive type		electric
Operation type		standing
Load capacity/rated load	Q(kg)	1500
Load centre distance	c(mm)	800
Load distance, centre of drive axle to fork	x(mm)	687
Fork height, lowered	h_{11} (mm)	90
Wheelbase	y(mm)	1465
Axle loading, laden front/rear	kg	1470/1310
Axle loading, unladen front/rear	kg	900/380
Tyres		polyurethane
Tyre size, front		φ 250×70
Tyre size, rear		φ 80×70
Additional wheels(dimensions)		φ 150×60
Wheels, number front rear(x=driven wheels)		1x+1/4
Tread, front		520
Tread, rear	b_{11} (mm)	390/515
Height, mast lowered	b_{11} (mm)	1757/2007/2157/2257
Free lift	h_1 (mm)	2022/2182/2382
Max. lift height	h_2 (mm)	1300/1550/1700/1800
Height, mast extended	h_2 (mm)	1570/1740/1940
Initial lift	h_4 (mm)	2500/3000/3300/3500
Height of tiller in drive position min./max.	h_3 (mm)	4500/5000/5600
Overall length	h_{11} (mm)	2977/3477/3777/3977
Length to face of forks	l_1 (mm)	120
Overall width	l_2 (mm)	670/1300
Fork dimensions	b_1 (mm)	1982
Width overall forks	s/e/l(mm)	878
Ground clearance, centre of wheelbase	b_2 (mm)	820
Aisle width for pallets 1000x1200 crossways	m_2 (mm)	60/180/1070(1150)
Aisle width for pallets 800x1200 lengthways	A_1 (mm)	570/695
Turning radius	A_2 (mm)	15-135
Travel speed, laden/unladen	W_1 (mm)	2530
Lift speed, laden/unladen		2500
Lowering speed, laden/unladen		1660
Max. gradeability, laden/unladen		5.8/6
Service brake		0.11/0.14
		0.12/0.12
		8/15
		Electromagnetic
Battery weight		24/240
Battery voltage nominal capacity K ₂	V/Ah	240
Sound level at the driver's ear acc. to DIN 12053	kg	675x254x500
Service weight(with battery)	mm	65
	dB(A)	1205
	kg	

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



Narrow Aisle Lift Truck

Model: CDD15C

Advantages:

SAFETY AND PRODUCTIVITY:

- Advanced AC control system eliminating the motor brushes, with Intelligentized regenerative brake system.
- Adjustable driving speed. 4 levels, from 3km to 10km.
- EPS (electric power steering) system makes steering operation easily, flexibly and more safely.
- Finger-tip control via joystick: driving speed (4 levels), lifting & lowering speed, opening/closing stabilizer.
- Stabilizers (at certain lifting height) which can work manually or automatically enhance stability and safety when stacking cargo.
- Applicable in double pallets function while forks are lifting up.
- Built-in pressure relief valve protects truck from overloading.
- Multi-function display: battery state, working hour meter, fault status, driving speed (4 levels), angel indicator of rear steering wheel, etc.
- Low placed battery offers lower center of gravity and better stability. Battery capacity up to 400Ah.
- Side battery with roll-out system is very convenient to replace batteries.
- Damping cushion for low-noise operation.
- Emergency power disconnect.

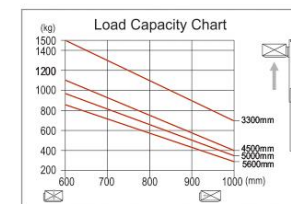
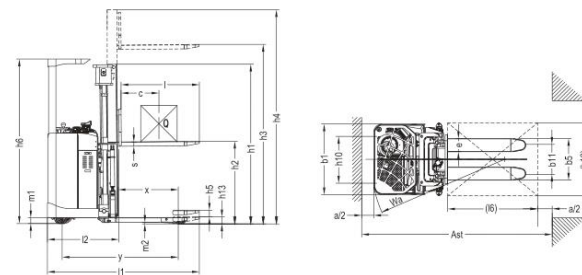
STRUCTURAL:

- Compact truck with "Heavy duty" constructed.
- Low center of gravity ensures stability.
- Wide view masts with clear visibility.
- Masts are detachable from truck frame and with good interchangeability.
- Low step and sensitive dead-man pedal offers comfortable operation.
- Narrower overhead guard towards front, to ensure less possibility to get "hooked" into something.
- Availability of 360 degree steering offers smallest turning radius 1800mm.
- Adjustable steering wheel and arm support give driver the most comfortable feeling.
- Drive wheel and balanced wheel are combined together to ensure stability.

SERVICE ABILITY:

- The low voltage protection system prolongs battery life.
- CANbus technology reduces wiring complexity and increases reliability and service friendly.
- Improved battery plug system makes battery to be connected/disconnected for charging more easily.

MODEL		CDD15C
Drive		electric
Operator type		standing
Load capacity/rated load	Q(kg)	1500
Load centre distance	c(mm)	600
Load distance, centre of drive axle to fork	x(mm)	745
Wheelbase	y(mm)	1540
Service weight (with battery)	kg	1960
Axle loading, laden front/rear	kg	1750/1710
Axle loading, unladen front/rear	kg	1430/530
Tyres		Polyurethane
Tyre size, front		φ 260x100
Tyre size rear		φ 80x70
Additional wheels(dimensions)	mm	φ 150x47
Wheels, number front rear(x=driven wheels)	mm	1x2/4
Tread, front		611
Tread, rear	b _d (mm)	390
Height, mast lowered	b _u (mm)	2022/2182/2382
Free lift	h ₁ (mm)	1570/1740/1940
Max. lift height	h ₂ (mm)	4500/5000/5600
Height, mast extended	h _d (mm)	5020/5520/6120
Initial lift	h ₀ (mm)	120
Height, lowered	h ₀ (mm)	90
Overall length	l _u (mm)	2090
Length to face of forks	l ₁ (mm)	1020
Overall width	l ₂ (mm)	970
Fork dimensions	b/b _d (mm)	60/180/1070(150)
Distance between fork-arms	s/e/l(mm)	570
Height of overhead guard(cabin)	b ₀ (mm)	2255
Ground clearance, laden, below mast	h ₀ (mm)	80
Ground clearance, centre of wheelbase	m ₁ (mm)	17~137
Aisle width for pallets 1000x1200 crossways	m ₂ (mm)	2650
Aisle width for pallets 800x1200 lengthways	A _d (mm)	2610
Turning radius	A _d (mm)	1800
Travel speed, laden/unladen	A _d (mm)	8.5/10
Lift speed, laden/unladen	W ₁ (mm)	0-0.11/0-0.16
Lowering speed, laden/unladen	Km/h	0-0.30/0-0.14
Gradeability, laden/unladen	m/s	8/15
Service brake	m/s	Electromagnetic
	%	24/400
Battery weight		330
Battery capacity/rated capacity K ₂	V/Ah	675x254x760
Sound level at the driver's ear acc to DIN 12053	kg	70
	mm	
	dB(A)	



AC

EPS



Multi-function display



Finger-tip joystick and adjustable arm support



Manual or automatic stabilizers switch



Stabilizers Side-way Battery

