

STACKER CATALOG

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SHANDONG ZHUOGONG MACHINERY EQUIPMENT CO., LTD.

Shandong Zhuogong Machinery Equipment Co., Ltd. is headquartered in Shandong, one of China's major manufacturing bases. We are an innovative enterprise specializing in engineering machinery and material handling equipment.

With the mission of "Intelligent Manufacturing for the World, Engineering for the Future," we are committed to providing global customers with efficient, reliable, and environmentally friendly one-stop solutions.

Our main products include loaders, excavators, forklifts, pallet stackers, and aerial work platforms, which are widely used in mining, construction, logistics, warehousing, and agriculture.

Our electric pallet stackers are designed for modern warehouses and workshops, featuring strong power, flexible operation, high safety standards, and energy efficiency, making them an ideal solution for material handling in confined spaces.

With stable product quality, advanced manufacturing technology, and professional after-sales service, Zhuogong Machinery has gained the trust of customers worldwide, contributing Chinese manufacturing strength to the global engineering and logistics industries.

OUR STRENGTH



ELECTRIC PALLET STACKER



CDD15/16A

CDD20A

CDD15/20D

CDD15/20E



CDD15/20E

CDDH

SBD15/15/20

Model		Unit	CDD15/16A	CDD20A	CDD15/20D	CDD10/15G	CDD15/20E	CDD-H	SBD10/15/20
Performance	Maximum load capacity	kg	1500/1600	2000	1500/2000	1000/1500	1500/2000	1500/2000	1000/1500/2000
	load center	mm	600	600	600	600	600	500	500
	Travel speed without load/with load	km/h	4.5/3.5	4.5/3.5	5/4.5	4.5/3.5	5/4.5	3.5/3	
	Lifting speed without load/with load	mm/s	140/80	140/80	110/80	110/80	110/80	110/80	105/55
	Lowered speed without load/with load	mm/s	100/80	100/80	100/100	100/100	100/110	100/100	
	Ascend slope ability without load/with	%	7/4	7/4	8/5	7/4	8/5	8/6	
Dimensions	Length(including forks)	mm	1860	1860	2130	1910	2130	1730	1877
	Length(without forks)	mm	710	710	980	760	980	660	727
	width(including forks)	mm	850	850	850	850	850	1570	770
	Wheelbase	mm	1250	1250	1370	1270	1370	1178	770
	Fork size (length*width*thickness)	mm	1150*165*55	1150*165*55	1150*165*55	1150*165*55	1150*165*55	1070*100*35	1300
	Fork outside width	mm	550/685	550/685	550/685	550/685	550/685	210-990	1150*160*55
	Min frounf height	mm	28	28	30	30	30	50	670
	Fork lowered height	mm	90	90	90	90	90	130	85
Wheel	Minimum turning radius	mm	1530	1530	2070	1920	2070	1355	28
	Minimum intersecting aisle	mm	2400	2400	2985	2795	2985	2340	1625
	Front wheel	mm	80*70	80*70	80*70	80*70	80*70	375*115	80*70
	Drive wheel	mm	210*75	210*75	250*75	210*70	230*80	300*90	
	Caster wheel	mm	115*55	115*55	115*55	115*55	115*55		180*50
Electrical components	Drive motor Rated output/DC motor	kw	0.75	0.95	1.5	0.75	1.5	1.50	
	Hoist motor Rated output/DC motor	kw	2.2	2.2	2.2	2.2	2.2	2.2	
Battery	Voltag/Capacity	V/Ah	24/85	48/65	24/120	24/92	24/120	24/120	12/120
	Weight	kg	26*2	15*4	35*2	31*2	195	35*2	35
Mast	Max. Lifting height (mm)								
	Mast overall height (mm)								
Single mast									
2-stage mast									

Model		Unit	CPDB08/10	CPDB15/20
Performance	Maximum load capacity	kg	800/1000	1500/2000
	load center	mm	500	500
	Travel speed without load/with load	km/h	4.5/3.5	4.5/3.5
	Lifting speed without load/with load	mm/s	110/80	80/50
	Lowered speed without load/with load	mm/s	100/100	130/140
	Ascend slope ability without load/with	%	8/5	8/5
Dimensions	Overall length/width of frame	mm	2400/1040	3150/1040
	Wheelbase	mm	1055	1555
	Fork size (length*width*thickness)	mm	920*100*35	1170*100*35/40
	Fork outside width	mm	220-680	220-680
	Min frounf height	mm	60	35/40
	Fork lowered height	mm	80	60
	Minimum turning radius	mm	1745	2245
	Minimum intersecting aisle	mm	3360	3860
Wheel	Front wheel	mm	210*85	210*85
	Drive wheel	mm	250*80	230*75
	Caster wheel	mm	124*60	124*60
Electrical components	Drive motor Rated output/DC motor	kw	1.50	1.50
	Hoist motor Rated output/DC motor	kw	2.2	2.2
Battery	Voltag/Capacity	V/Ah	24/120(210)	24/210
	Weight	kg	35*2(195)	195
Mast	Max. Lifting height(mm)			
Single mast				
2-stage mast				

ELECTRIC COUNTERBALANCED STACKER



CPDB08/10

CPDB15/20

ELECTRIC REACH STACKER



CQDA15/20

Model		Unit	CQDA15/20
Performance	Maximum load capacity	kg	1500/2000
	load center	mm	500
	Travel speed without load/with	km/h	4.5/3.5
	Lifting speed without load/with	mm/s	80/50
	Lowered speed without	mm/s	130/140
Dimensions	Ascend slope ability without	%	8/5
	Overall length/width of frame	mm	2310*1036/ 2410*1035
	Wheelbase	mm	1540
	Fork size (length *width*thickness)	mm	1070*100*35/1 070*100*40
	Fork outside width	mm	210-700
	Min front height	mm	35/40
	Fork lowered height	mm	60
	Minimum turning radius	mm	2280
	Minimum intersecting aisle	mm	3310
	Front wheel	mm	210*85
Wheel	Drive wheel	mm	230*80
	Caster wheel	mm	124*60
Electrical components	Drive motor Rated output/DC	kw	1.5
	Hoist motor Rated output/DC	kw	3
Battery	Voltage/Capacity	V/Ah	24/210
	Weight	kg	220
Mast	Max Lifting height(mm)	Mast overall height	Service weight(kg)
	1600	2080	1810
Single mast	2000	1580	2500
	2500	1630	3000
2-stage mast	3000	2080	3500
	3500	2330	4000

SELF-LIFTING ELECTRIC STACKER



SC10

Model		SC10
Drive unit		(Electric)
Operator type		(Pedestrian)
rated capacity		Q (kg)
Load center distance		c (mm)
Axle centre to fork face		x (mm)
Wheelbase		y (mm)
Service weight (include battery)		kg
Tyre type driving wheels/loading wheels		(PU)
Tyre size, driving wheels (diameter*width)		mm
Tyre size, loading wheels (diameter*width)		mm
Tyre size, caster wheels (diameter*width)		mm
Wheels, number driving, caster/loading (drive wheels)		1*2/2
Track width, front, driving side		b10 (mm)
Track width, rear, loading side		b11 (mm)
Height of mast, lowered		h1 (mm)
Free lift		h2 (mm)
Lift height		h3 (mm)
Height drawbar in driving position min./max.		h14 (mm)
Lowered height		h13 (mm)
Overall length		l1 (mm)
Length to face of forks		l2 (mm)
Overall width		b1/b2 (mm)
Fork dimensions		s/e/l (mm)
Distance between fork-arms		b5 (mm)
Turning radius		Wa (mm)
Travel speed, laden/ unladen		km/h
Lifting speed, laden/ unladen		m/s
Lowering speed, laden/ unladen		m/s
Service brake type		(Electromagnetic)
Drive motor rating S2 60 min		kW
Lift motor rating at S3 15%		kW
The maximum allowed size battery		mm
Battery voltage/nominal capacity K5		V/Ah
Battery weight		kg
Type of drive control		(DC)
Steering type		(Mechanical)
Sound pressure level at the driver's ear		dB(A)

MANUAL HYDRAULIC STACKER



CTY 10/15/20

Model	CTY10/15/20
Load capacity	1000/1500/2000kg
Min.height fork lowered	90mm
Fork outside width	650mm
Fork length	900mm
Load center	450mm

HAND PALLET TRUCK



CBY 2.0-5.0

Model	CBY2.0	CBY2.5	CBY3.0	CBY5.0
Load capacity	2000kg	2500kg	3000kg	5000kg
Height fork lowered	85mm			
Lifting height	195mm			
Lifting stroke	115mm			
Fork length	1150/1220mm			
Single fork width	150/160mm			
Fork outside width	550/685mm			
Front wheel	ø60*70mm			
Steering wheel	ø180*50mm			
Service weight	60kg	65kg	70kg	120kg



CQD15-50S

Model		CQD15-50S
Power		Electric
Operation Mode		Standing Type
Load Capacity		Q(kg)
Load Center		C(mm)
Wheelbase		Y(mm)
Reach Distance		L(mm)
Service Weight (With Battery)		kg
Wheel Type		PU
Front Wheel		ø×w(mm)
Drive Wheel		ø×w(mm)
Balance Wheel		ø×w(mm)
Wheel Tread, Front wheel		b10(mm)
Mast Height Lowered		h1(mm)
Free Lift		h2(mm)
Lifting Height		h3(mm)
Height, mast extended		h4(mm)
Height of overhead guards		h14(mm)
Fork lifting min. ground clearance		h13(mm)
Overall length (Without/With fork)		l2(mm)
Overall Width		b1(mm)
Fork Size		s/e/l(mm)
Fork Spread		b5(mm)
Min. ground clearance		m2(mm)
Aisle Width for Pallet 1000*1200 crossways		As2(mm)
Min. turning radius		Wa(mm)
Lifting speed (Unladen/Laden)		m/s
Lowering speed (Unladen/Laden)		m/s
Max.gradeability (Unladen/Laden)		%
Service Brake		Electromagnetic
Drive Motor		kw
Lift Motor		kw
Battery Type		Lead Acid
Battery voltage/nominal capacity		V/Ah
Charger		V/Ah
Type of Drive Control		AC
Sound level at the driver's ear acc. to EN12053		dB(A)

ELECTRIC PALLET TRUCK



CBD20/25/30

Model	Unit	CBD20/25/30
Maximum load capacity	kg	2000/2500/3000
load center	mm	600
Maximum lifting height	mm	205
Travel speed without load/with load	km/h	5/4.5
Lifting speed without load/with load	mm/s	24
Lowered speed without load/with load	mm/s	30
Ascend slope ability without load/with	%	5/16
Weight	kg	915
length*width*height(including forks)	mm	1820*775*1260/ 1942*850*1260
length*width*height(without forks)	mm	600*775*1260/ 722*850*1260
Wheelbase	mm	1350/1472
Fork size (length *width*thickness)	mm	1220*170*55
Fork outside width	mm	550/685
Min front height	mm	30
Fork lowered height	mm	85
Minimum turning radius	mm	2070/2164
Minimum intersecting aisle	mm	2815/2708
Front wheel	mm	80*98
Drive wheel	mm	230*75
Caster wheel	mm	115*55
Drive motor Rated output/DC motor	kw	1.5
Hoist motor Rated output/DC motor	kw	1.5
Voltage/Capacity	V/Ah	24/210
Weight	kg	195

ELECTRIC PALLET TRUCK



CBD30Y

Model		CBD30Y
Operation		Walkie
Rated traction weight	kg	3000
Lift	mm	205
Service weight with battery	kg	268
Load centre	mm	600
Axle centre to fork face	mm	981
Wheel base	mm	1334
Driving wheel size		φ300*95 rubber
Bearing wheel size		φ84*80 nylon
Wheels number front/rear(x=driven)		1x. 0/4
Fork Height,Lowered	mm	85
length*width *height(including forks)	mm	1786*699*1260
Length to fork face	mm	567
Fork dimensions(height*width/length)	mm	55/165/1220
Width of forks	mm	550/685
Min.Ground clearance	mm	30
Aisle width with pallet	mm	2294
1000*1200 along forks		
Aisle width with pallet	mm	2204
800*1200 along forks		
Min.Turning radius	mm	1548
Travel speed with/without load	km/h	4/4.5
Lifting speed with/without load	mm/s	20/30
Lowering speed with/without load	mm/s	40/30
Max.gradeability laden/unladen	mm/s	5/16
Service brake		Electromagnetic brake
Drive motor.output S2 60 min.	kw	0.8
Lift motor rating at S3 15%	kw	0.8
Battery voltage/rated capacity	V/Ah	48/32
Battery weight (±5%)	kg	10kg
Noise level at operator 's ear	A	69A
Steering type		Mechanical steering



CBD20J

Model		CBD20J
Operation		Pedestrian propelled
Rated traction weight	kg	2000
Lift	mm	205
Service weight with battery	kg	202
Load centre	mm	600
Wheel base	mm	1260
Wheels type		Polyurethane
Driving wheel size	mm	φ210*75
Bearing wheel size	mm	φ75*45
Wheels, number		1x. 0/4
Fork Height,Lowered	mm	85
length*width *height(including	mm	1596*685*1260
Length to fork face	mm	500
Fork dimensions	mm	50/150/1150
Width of forks	mm	560/685
Min.Ground clearance	mm	35
Aisle width with pallet	mm	2156
1000*1200 along forks		
Aisle width with pallet	mm	2070
800*1200 along forks		
Min.Turning radius	mm	1390
Travel speed,with/without load	km/h	4/4.5
Lifting speed,with/without load	mm/s	12/12
Lowering speed,with/without	mm/s	24/15
Max.gradeability laden/unladen	mm/s	6/16
Service brake		Electromagnetic brake
Drive motor.output S2 60 min.	kw	0.75
Lift motor rating at S3 15%	kw	0.8
Battery voltage/rated capacity	V/Ah	24/65
Battery weight (±5%)	kg	24x2
Noise level at operator 's ear	A	69
Steering type		Mechanical steering

WALKIE PALLET TRUCK



CBDL15

Model		CBDL15	CBDL20
Type		Electric	Electric
Working type		Pedestrian	Pedestrian
Capacity	kg	1500	2000
Load Center	mm	600	600
Min.Fork Height	mm	85	85
Wheel Base	mm	1173/1223	1173/1223
Wheels Type		PU	PU
Driving Wheels size(front)	mm	150*55	150*55
Bearing Wheels size(rear)	mm	80*93(single)	80*93(single)
	mm	80*70(double)	80*70(double)
Wheels Qty (drive &bearing)	mm	1+2/4	1+2/4
Max.Lift Height	mm	115	115
Handle Height,Min./Max.	mm	750/1255	750/1255
length*width *height (including forks)	mm	1572*550*1260	1572*550*1260
Fork Length	mm	1150/1200	1150/1200
Fork size,height,width/length	mm	55/160/1150/1200	55/160/1150/1200
Overall Fork Width	mm	550/685	550/685
Ground Clearance(Min.&Max.)	mm	30/145	30/145
Min.Aisle Width (1000*1200 pallet)	mm	1914	1914
Min.Aisle Width(800*1200 pallet)	mm	1830	1830
Min.Turning Radius	mm	1340/1390mm	1340/1390mm
Max.Travel Speed/full load/empty load	km/h	4/5	4/5
Max.Lift Speed/full load/empty load	mm/s	30/35	30/35
Max.Lower Speed/full load/empty load	mm/s	35/25	35/25
Gradeability(full load/empty load)	%	6/20	6/20
Drive Motor Power	kw	DC0.75	DC1
Lift Motor Power	kw	DC0.6	DC0.6
Battery Voltage. Battery Capacity	V/Ah	48/10(48/15)	48/10(48/15)
Brake Type		Regenerative	Regenerative
Brake Device		Electromagnetic	Electromagnetic
Operation Noise Level	dB	<70	<70
Net Weight	kg	105/110	110/115