

CBES SERIES

Electric Counter Balance Stacker

INTRODUCTION

- ◆ Counter balance stacker is a cost-efficient stacker that combines the versatility of a counterbalance forklift with the operational benefits of a pedestrian stacker.
- ◆ It moves heavy loads from one place to another without the need for oversized fork truck equipment. Counterbalance design allows the operator complete access to three sides of the load. The open front enables the forks to be next to workstation for easy loading and unloading.
- ◆ Counter balance stackers can be found working on loading docks, in stock rooms and on manufacturing floors, where durability and dependability are crucial. With its compact dimensions suited to confined areas, and legless design, the stacker can be used to lift practically anything you can think of as there are no “legs” to get in the way.



ELECTRIC REACH STACKER



- ◆ **Handle**
All operating elements on the handle are easy to reach.
- ◆ **Electric power steering (Optional)**
Electric power steering brings effortless operating and easy maneuvering even in narrow spaces.



- ◆ The innovative AC drive system offers strong power, accurate control, excellent performance. High strength gearbox with long working life. Low noise but durable hydraulic unit, good quality cylinder as well as hose ensure high reliability of hydraulic system.
- ◆ **Standard battery**
Long operating time with high capacity.



- ◆ Adjustable forged forks, no baselegs, suited to any type of pallet truck, similar to a traditional forklift. Tilting fork carriage for efficient load placement operations.

Side shift (Optional)

Side shift allows the load carried to be moved to the left and the right.



- ◆ H +H shape mast improves the strength of whole stacker.



- ◆ **Front wheels**
Larger front wheels, easier to roll over uneven grounds.



- ◆ **Optional foldable platform & protective arm**
Suspension foldable platform with protective arms. The ergonomically designed foldable platform in combination with protective arms makes operations faster and safer.

SPECIFICATIONS

MODEL			CBES12	CBES15D	CBES20D	CBES15T	
CHARACTERISTICS							
1.1	Mast type		Duplex			Triplex	
1.2	Mast profile		C model/H model		H model	H model	
1.3	Type of drive		Full electric			Full electric	
1.4	Operator type		Rider			Rider	
1.5	Capacity	Q kg	1200	1500	2000	1500	
1.6	Load center	C mm	600	600	600	600	
1.7	Wheel base	Y mm	1184	1354	1635	1354	
1.8	Electric power steering(EPS)		Standard equipped				
WEIGHT							
2.1	Service weight without battery	kg	1520	1620	2050	1825	
2.2	Service weight with battery	kg	1730	1830	2250	2035	
WHEEL							
3.1	Wheel type		PU	PU	PU	PU	
3.2	Size of front wheels	Φd mm	∅210	∅210	∅210	∅210	
3.4	Size of drive wheels	ΦD mm	∅230	∅230	∅230	∅230	
3.5	Wheels quantity	pcs	1/2	1/2	1/2	1/2	
CHASSIS							
4.1	Mast lower height	h1 mm		2055		2045	
4.2	Overall length (with platform)	L mm	3080	3250	3540	3270	
4.3	Overall length (without platform)	mm	2710	2710	3000	2730	
4.4	Rear body width	W1 mm	850	850	940	850	
4.5	Overall width	W2 mm	990	990	1100	990	
4.6	Height of tiller arm in drive position min./max.	H mm		1030-1270			
4.7	Rear body height	H1 mm	860	860	860	860	
4.8	Mast extend height	h2 mm	3815	3810	3925	5310	
SPECIFICATIONS							
5.1	Lifting height	h mm		70~3000		70~4500	
5.2	Clearance	H2 mm	60	60	60	60	
5.3	Fork length	slell mm	1070	1070	1070	1070	
5.4	Overall fork width	W mm	200~680	200~680	240~680	200~680	
5.5	Min. turning radius	Wα mm	1463	1633	1840	1633	
5.6	Lowered height of fork	H3 mm	70	70	70	70	
5.7	Fork thickness	mm	30	35	40	35	
5.8	Fork width	S mm	100	100	120	100	
5.9	Freelift height	mm	—	—	—	1530	
5.10	Fork tilting degree (forward/backward)	°	2/5	2/5	2/5	2/5	
5.11	Aisle width without platform (800*1200mm pallet)	Ast mm	3036	3206	3580	3203	
5.12	Aisle width with platform (800*1200mm pallet)	Ast mm	3576	3746	4000	3743	
5.13	Aisle width without platform (1000*1200mm pallet)	Ast mm	3069	3239	3610	3235	
5.14	Aisle width with platform (1000*1200mm pallet)	Ast mm	3609	3779	4030	3775	
PERFORMANCE							
6.1	Travel speed	laden	km/h	5	5	5	5
		unladen	km/h	5.3	5.3	5.1	5.3
6.2	Lift speed	laden	mm/s	85	90	50	100
		unladen	mm/s	110	100	70	147
6.3	Lower speed	laden	mm/s	240	210	150	180
		unladen	mm/s	100	80	70	120
6.4	Gradeability	laden	%	5	5	5	5
		unladen	%	7	7	7	7
DRIVING SYSTEM							
7.1	Drive motor	kw	2.5				
7.2	Lift motor	kw	3				
7.3	Battery voltage/capacity	V/Ah	24V 210/270/340Ah				
7.4	Battery weight	kg	210				
7.5	Battery size	mm	790×210×576				
7.6	Brake type		electromagnetic				
7.7	Control system		1232E (CURTIS)				

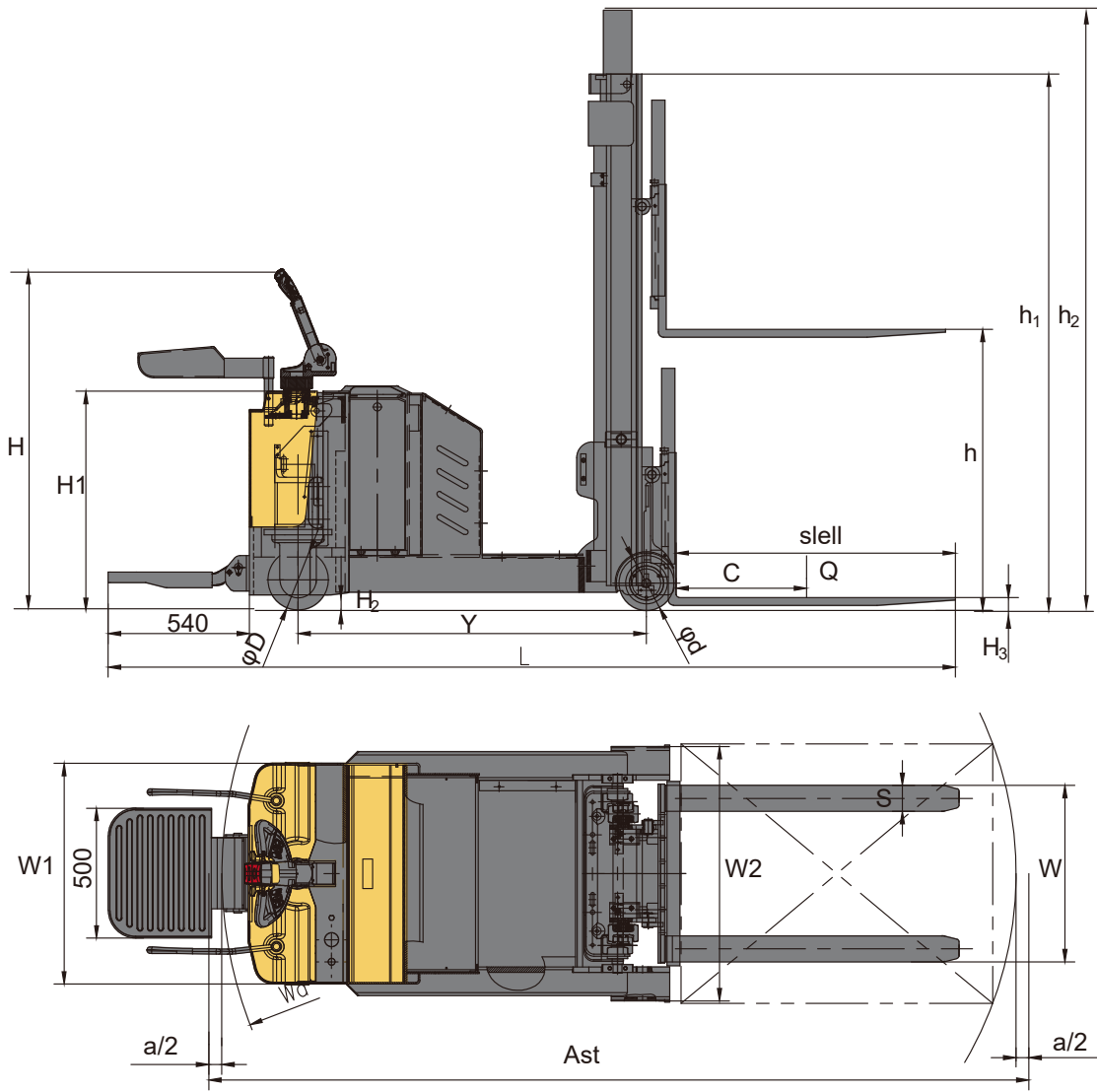
Note:

1kgs=2.2lbs, 5.4mm=1inch

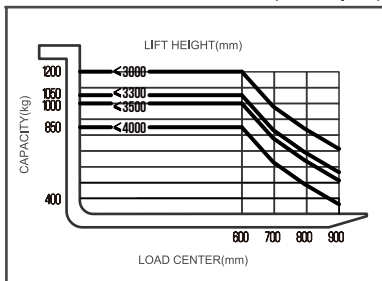
● standard ○ option

If there are improvements of technical parameters or configurations, no further notice will be given.

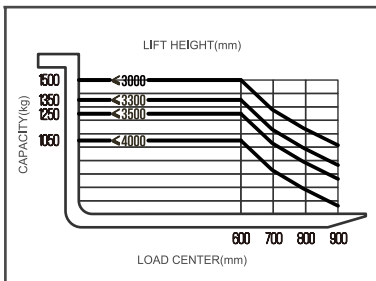
The diagram shown may contain non-standard configurations.



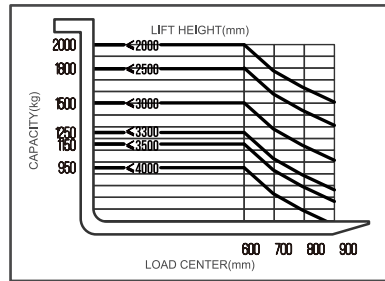
LOAD CHART CBES12D (with Duplex)



LOAD CHART CBES15D (with Duplex)



LOAD CHART CBES20D (with Duplex)



LOAD CHART CBES15T (with Triplex)



MAST OPTION

MAST OPTION						
MODEL	MAST TYPE	LIFTING HEIGHT (mm)	MAST LOWER HEIGHT (mm)	MAST EXTEND HEIGHT (mm)	FREELIFT HEIGHT (mm)	SERVICE WEIGHT WITH BATTERY (kg)
CBES12D	DUPLEX	1600	2140	2415	/	1530
		2500	1805	3315		1630
		3000	2055	3815		1730
		3300	2205	4115		1790
		3500	2305	4315		1830
		4000	2555	4815		1850
CBES15D	DUPLEX	1600	2140	2410	/	1630
		2500	1805	3310		1730
		3000	2055	3810		1830
		3300	2205	4110		1890
		3500	2305	4310		1930
CBES12FD	DUPLEX	2500	1805	3315	1260	1680
		3000	2055	3815	1510	1780
		3300	2205	4115	1660	1840
		3500	2305	4310	1660	1940
CBES15FD	DUPLEX	2500	1805	3310	1260	1780
		3000	2055	3810	1510	1880
		3300	2205	4110	1660	1940
CBES20D	DUPLEX	1600	2150	2440	/	2100
		2500	1805	3425		2200
		3000	2055	3925		2250
		3300	2205	4225		2300
		3500	2305	4425		2340
		4000	2550	4925		2430
CBES15T	TRIPLEX	3700	1780	4510	1262	1980
		4000	1880	4810	1362	2000
		4300	1980	5110	1462	2020
		4500	2045	5310	1530	2035
		4800	2145	5610	1630	2050
		5000	2212	5810	1730	2075

OPTIONS

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1	Fork length	●1070
2	Fork width	●200~800
3	Battery capacity	24V ● 210 / ○270 / ○340AH
4	Platform	○
5	Protection Arm	○
6	Moonwalk- AC & EPS model	○
7	Remote control-for lifting/lowering	○
8	Warning light	○
9	Up-right Drive	○
10	Turtle Speed	○
11	Beeper	○
12	Side Shift	○

Note: ● standard ○ option