



CBS10J/CBS15J/CBS20J
Semi-electric pallet stacker

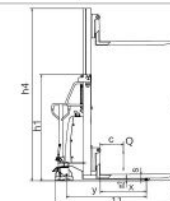
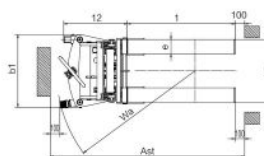
Characteristics:

1. The hydraulic power unit has a compact structure, sensitive response and its main parts of the system generally come from well-known global suppliers.
2. The imported motor relay has quick response, excellent contact performance, and long life expectancy.
3. High quality hydraulic oil cylinder and circuit system ensures stable and reliable operation.
4. TONGYI battery.
5. External positioned charger has better cooling performance and avoids the damage caused by the vibration when operating the truck with internal positioned one.
6. Aviation plug, which is used to connect charger and battery, is easy to operate, safe and durable.
7. Emergency power-off button cuts off the power in case of emergency.



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Manufacturer's Data and Design Characteristics														
Characteristics														
1.01	Manufacturer	HELI												
1.02	Model	CBS10J				CBS15J				CBS20J				
1.03	Operation	Handle												
1.04	Rated traction weight	Q (kg)	1000				1500				2000			
1.05	Mast type	Single mast	2-Stage STD				Single mast	2-Stage STD				Single mast	2-Stage STD	
1.06	Lift	h3 (mm)	1600	2000	2500	3000	3500	1600	2000	2500	3000	3500	1600	2000
1.07	Capacity at highest height	kg	1000	800	700	600	500	1500	1200	1050	900	750	2000	1600
1.08	Service weight with battery	kg	315	365	374	380	405	320	374	385	395	415	325	380
1.09	Load centre	c (mm)	450											
1.10	Axle centre to fork face	x (mm)	705	700				705	700				705	700
1.11	Wheel base	y (mm)	1195											
Wheels														
2.01	Wheels type	Nylon/Polyurethane												
2.02	Driving wheel size	φ × w (mm)	φ180 × 50											
2.03	Bearing wheel size	φ × w (mm)	φ74 × 70											
2.04	Additional wheels (dimensions)	φ × w (mm)	φ180 × 50											
2.05	Wheels, number front/rear (x = driven)	1, 1/2												
Dimensions														
3.01	Height of mast, lowered	h1 (mm)	2077	1577	1827	2077	2327	2077	1577	1827	2077	2327	2077	1577
3.02	Height of mast, extended	h4 (mm)	2077	2567	3057	3567	4067	2077	2567	3067	3567	4067	2077	2567
3.03	Fork Height, Lowered	h13 (mm)	85											
3.04	Overall length	l1 (mm)	1600 (900 Pallet fork) / 1800 (1100 Pallet fork)											
3.05	Length to fork face	l2 (mm)	700											
3.06	Overall width	b1 (mm)	760											
3.07	Fork dimensions	e1 (mm)	150/900 (1100)											
3.08	Width of forks	b5 (mm)	550/640				640	550/640				640	550/640	
3.09	Min.Ground clearance	m2 (mm)	32											
3.10	Aisle width with pallet 1000 × 1200 across forks	Ast (mm)	2250											
3.11	Aisle width with pallet 800 × 1200 along forks	Ast (mm)	2240											
3.12	Min.Turning radius	Wa (mm)	1350											
Performance														
4.01	Lifting speed, with/without load	(mm/s)	78/145	76/143				78/145	76/143				78/145	76/143
4.02	Lowering speed, with/without load	(mm/s)	123/107	104/93				127/111	108/97				131/115	112/101
4.03	Service brake	Machinery												
Drive and Battery														
5.01	Lift motor rating at S3 15%	(kW)	1.5											
5.02	Battery according to DIN 43531/35/36 A,B,C,no	no												
5.03	Battery voltage/rated capacity	(V/Ah)	12/120											
5.04	Battery weight (± 5%)	(kg)	36											
Others														
6.01	Noise level at operator 's ear	(dB(A))	67											



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