

CPD15/18/20/25 /30/35/38

A3H4-M A5H4-S/M A5XH4-S

MAXBULL



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* Our products are subject to improvements and changes without notice.



H4 SERIES

1.5-3.8 t

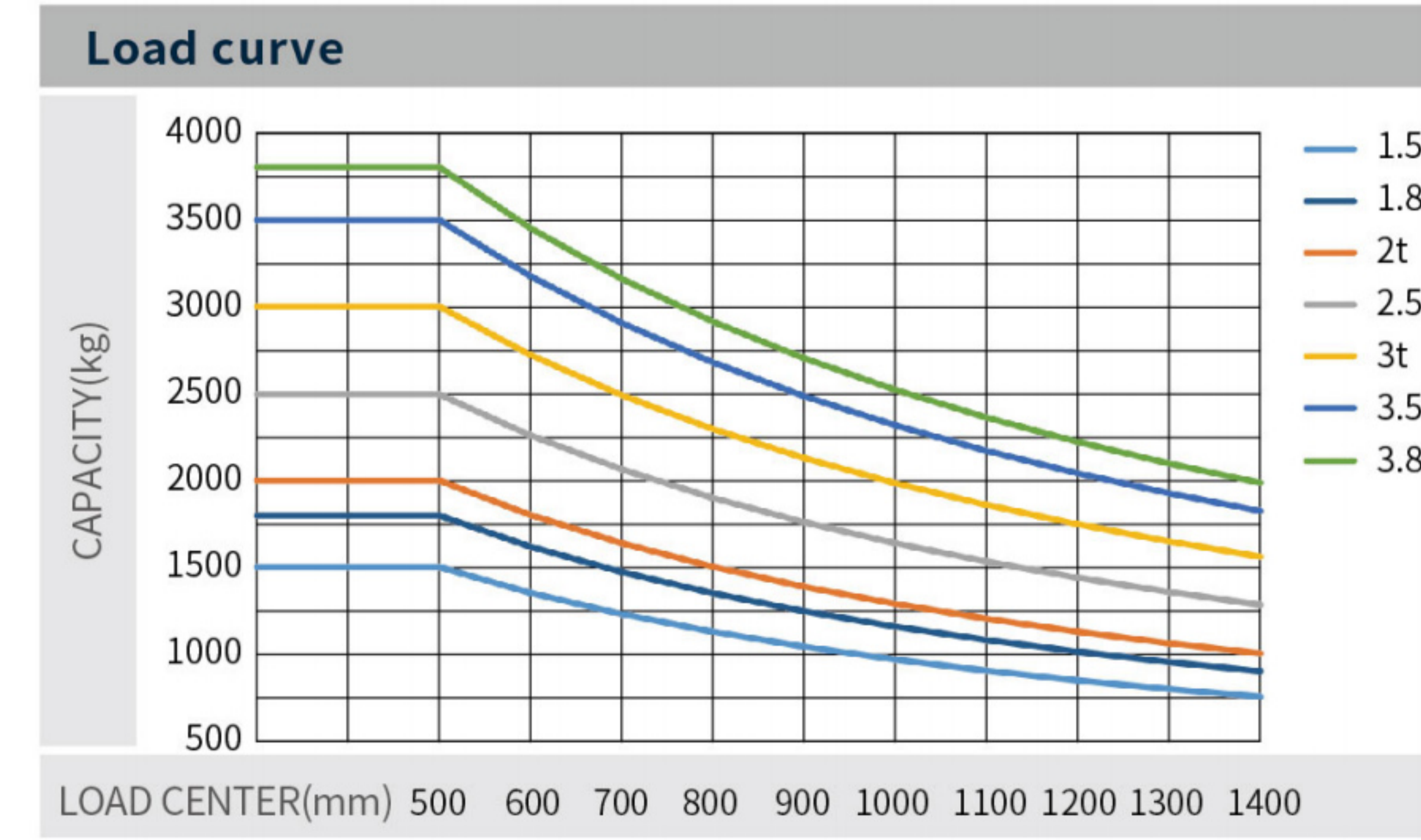
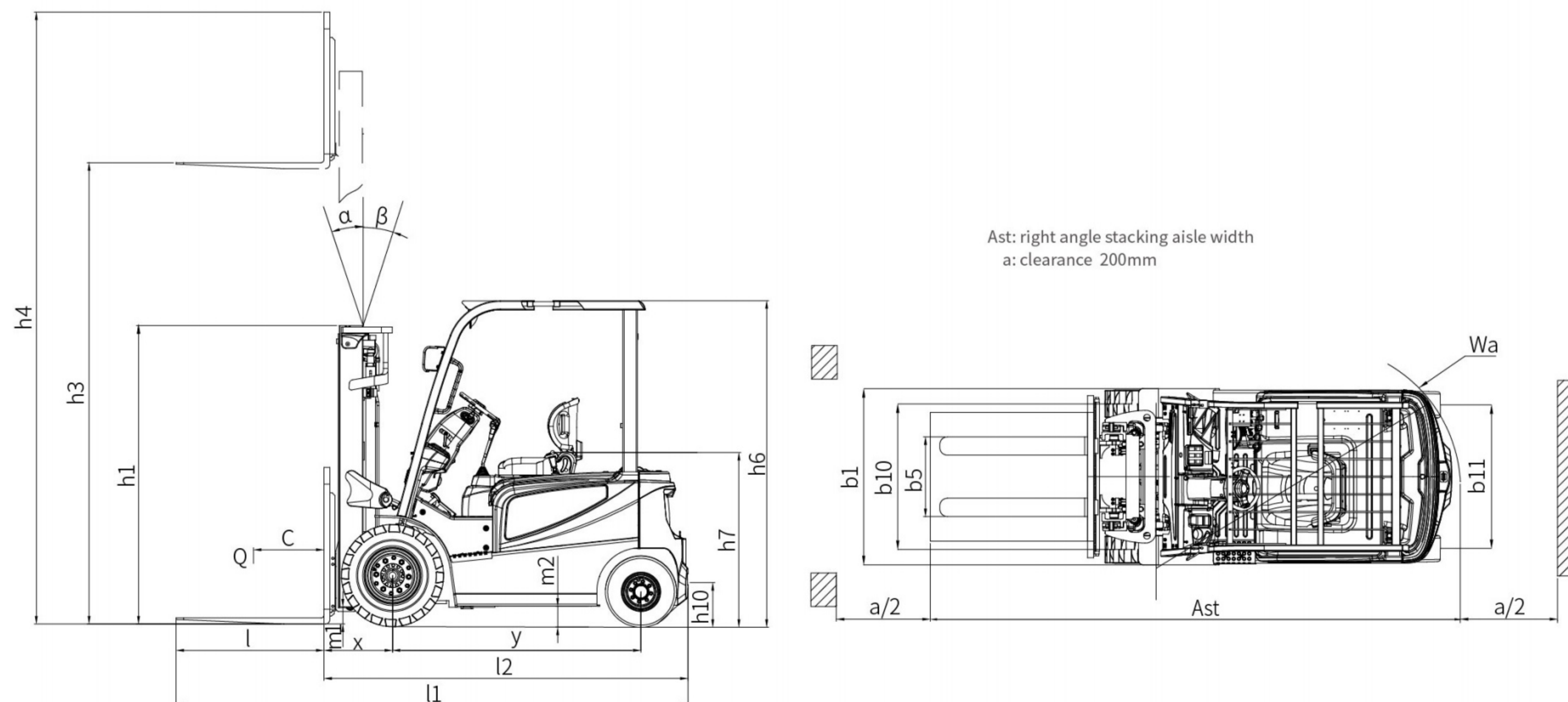
H4 Series Battery Powered
Counterbalance Forklift truck

Manufacturer and Technical Data (Table 1)

Characteristics						
1.01	Manufacturer			MAXBULL		
1.02	Model			CPD15	CPD18	CPD20
1.03	Configuration number		A3H4-M/ A5H4-M	A3H4-M/ A5H4-M	A5H4-S	A5H4-S
1.04	Rated capacity	Q	kg	1500	1800	2000
1.05	Load center distance	c	mm		500	
1.06	Power mode			Battery		
1.07	Driving mode			Seated		
1.08	Front overhang	x	mm	409		414
1.09	Wheelbase	y	mm	1475		
Weight						
2.01	Total weight (with/without battery)		kg	3125/2365	3175/2415	3050/2350
2.02	Axle load (laden,front/rear)		kg	3963/662	4431/544	3934/616
2.03	Axle load (unladen,front/rear)		kg	1547/1578	1540/1635	1518/1532
Tyres						
3.01	Tyre type			Pneumatic tyre		
3.02	Tyre size,front			6.50-10-10PR		6.50-10-12PR
3.03	Tyre size,rear			16×6-8-10PR		
3.04	Wheels,number front/rear (x=driven wheels)			2/2		
3.05	Tread, front	b10	mm	934		
3.06	Tread, rear	b11	mm	920		
Dimensions						
4.01	Mast tilt angle (forward/backward)	α/β	°	6/8		
4.02	Height (mast lowered)	h1	mm	1995		
4.03	Free lifting height	h2	mm	155		
4.04	Lifting height (standard)	h3	mm	3000		
4.05	Max. height,extended (with backrest)	h4	mm	4014		
4.06	Height of overhead guard	h6	mm	2130		
4.07	Seat height relating to SIP (to ground)	h7	mm	1125		
4.08	Towing coupling height	h10	mm	250		
4.09	Overall length (with fork)	l1	mm	3120		3125
4.10	Overall length (without fork)	l2	mm	2200		2205
4.11	Overall width	b1	mm	1120		
4.12	Fork carriage,according to ISO2328	s/e/l	mm	2A		
4.13	Fork size:thickness x width x length			35×100×920		40×100×920
4.14	Distance across fork-arms, Max./Min.	b5	mm	960/200		
4.15	Distance across fork-arms, Max./Min.	m1	mm	100		
4.16	Ground clearance (center of wheelbase)	m2	mm	95		
4.17	Right angle stacking aisle width for pallet 1000 x1200mm (the side of 1200mm is placed across the forks.)	Ast	mm	3575		3580
4.18	Right angle stacking aisle width for pallet 800 x1200mm (the side of 1200mm is placed along the forks.)	Ast	mm	3770		3775
4.19	Min. outside turning radius	Wa	mm	1920		
Performance Data						
5.01	Travel speed (laden/unladen)		km/h	14.5/15	14.5/15	12/13
5.02	Lift speed (laden/unladen)		m/s	0.320/0.440	0.290/0.440	0.270/0.400
5.03	Lowering speed (laden/unladen)		m/s	0.400/0.400		
5.04	Max.drawbar pull (laden/unladen)		N	10200/9700	10200/9800	10200/9700
5.05	Max.gradeability (laden/unladen)		%	17/27	15/26	15/23
5.06	Acceleration time(10 m)(laden/unladen)		s	5.5/5.2	5.6/5.3	6.0/5.7
Battery						
6.01	Battery,according to DIN			43531A		
6.02	Battery voltage/Capacity (K5)		V/Ah	48/480	48/480	48/400
6.03	Battery weight		kg	760	760	705
Motor and controller						
7.01	Driving motor powering (S2-60min)		kW	8		
7.02	Lifting motor powering (S3-15%)		kW	10.6		
7.03	Driving motor controlling mode			MOSFET/AC		
7.04	Lifting motor controlling mode			MOSFET/AC		
Addition data						
8.01	Service brake/Parking brake			Hydraulic/Mechanical		
8.02	Operating pressure for attachments		Mpa	16		

Manufacturer and Technical Data (Table 2)

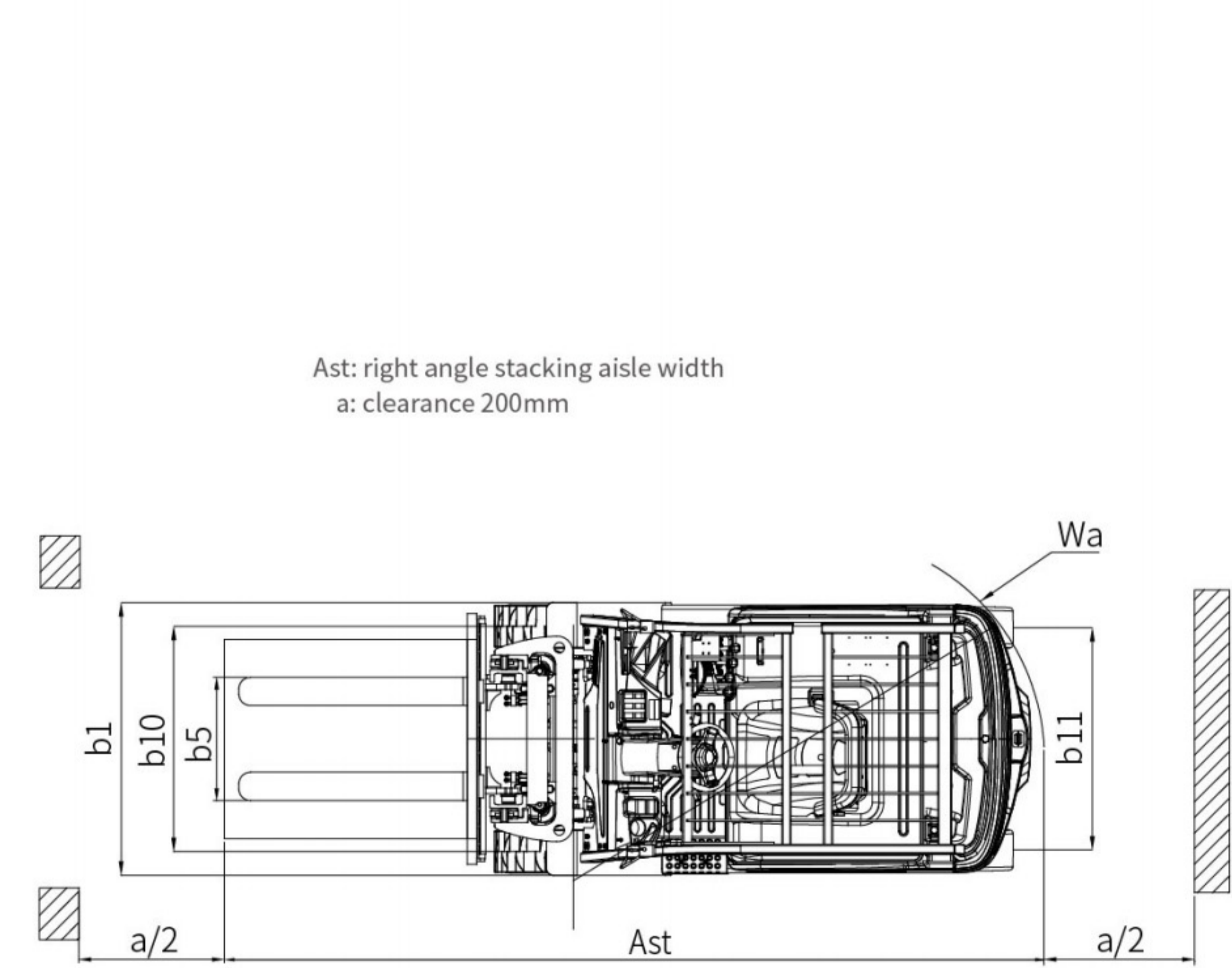
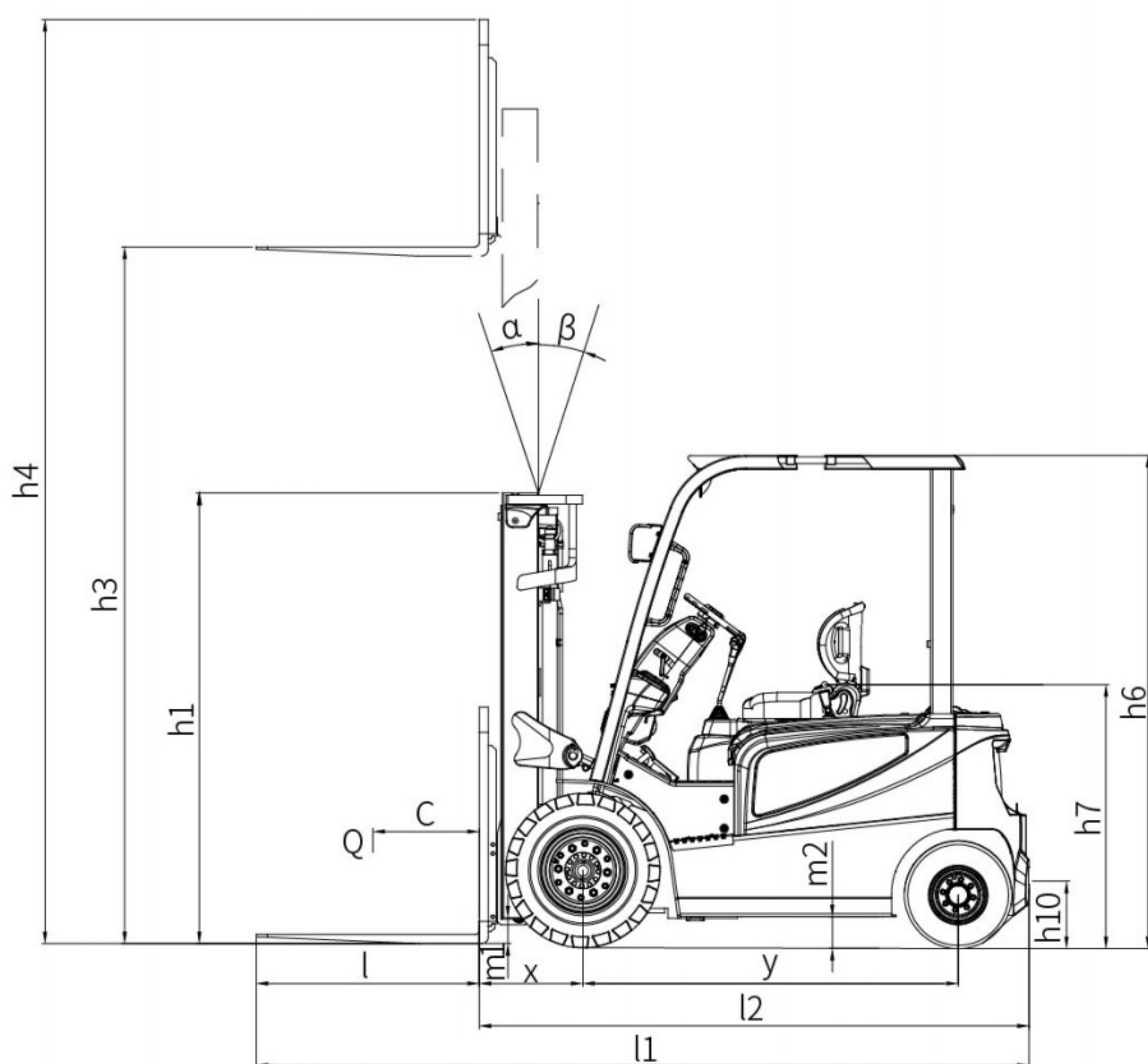
Characteristics						
1.01	Manufacturer			MAXBULL		
1.02	Model			CPD20	CPD25	CPD20
1.03	Configuration number		A3H4-M/ A5H4-M	A3H4-M/ A5H4-M	A5H4-S	A5H4-S
1.04	Rated capacity	Q	kg	2000	2500	2000
1.05	Load center distance	c	mm		500	
1.06	Power mode			Battery		
1.07	Driving mode			Seated		
1.08	Front overhang	x	mm	460		460
1.09	Wheelbase	y	mm	1660		
Weight						
2.01	Total weight (with/without battery)		kg	4030/3100	4190/3260	3940/3100
2.02	Axle load (laden,front/rear)		kg	5300/730	6010/680	5220/720
2.03	Axle load (unladen,front/rear)		kg	2050/1980	2140/2150	2030/1930
Tyres						
3.01	Tyre type			Pneumatic tyre		
3.02	Tyre size,front			7.00-12-14PR		
3.03	Tyre size,rear			18×7-8-14PR		
3.04	Wheels,number front/rear (x=driven wheels)			2/2		
3.05	Tread, front	b10	mm	970		
3.06	Tread, rear	b11	mm	960		
Dimensions						
4.01	Mast tilt angle (forward/backward)	α/β	°	6/10		
4.02	Height (mast lowered)	h1	mm	2000		
4.03	Free lifting height	h2	mm	165		
4.04	Lifting height (standard)	h3	mm	3000		
4.05	Max. height,extended (with backrest)	h4	mm	4320		
4.06	Height of overhead guard	h6	mm	2170		
4.07	Seat height relating to SIP (to ground)	h7	mm	1154		
4.08	Towing coupling height	h10	mm	300		
4.09	Overall length (with fork)	l1	mm	3354	3504	3354
4.10	Overall length (without fork)	l2	mm	2434		
4.11	Overall width	b1	mm	1180		
4.12	Fork carriage,according to ISO2328	s/e/l	mm	2A		
4.13	Fork size:thickness x width x length			40×122×920	40×122×1070	40×122×920
4.14	Distance across fork-arms, Max./Min.	b5	mm	1030/250		
4.15	Distance across fork-arms, Max./Min.	m1	mm	100		
4.16	Ground clearance (center of wheelbase)	m2	mm	125		
4.17	Right angle stacking aisle width for pallet 1000 x1200mm (the side of 1200mm is placed across the forks.)	Ast	mm	3753		3753
4.18	Right angle stacking aisle width for pallet 800 x1200mm (the side of 1200mm is placed along the forks.)	Ast	mm	3953		3953
4.19	Min. outside turning radius	Wa	mm	2140		
Performance Data						
5.01	Travel speed (laden/unladen)		km/h	14.5/15	14.5/15	12/13
5.02	Lift speed (laden/unladen)		m/s	0.320/0.440	0.290/0.440	0.290/0.400
5.03	Lowering speed (laden/unladen)		m/s	0.360/0.460		
5.04	Max.drawbar pull (laden/unladen)		N	13600/13000	14000/13300	13600/13000
5.05	Max.gradeability (laden/unladen)		%	17/26	15/25	15/25
5.06	Acceleration time(10 m)(laden/unladen)		s	5.9/5.0	6.1/5.0	6.0/5.3
Battery						
6.01	Battery,according to DIN			43531A		
6.02	Battery voltage/Capacity (K5)		V/Ah	48/600	48/600	48/500
6.03	Battery weight		kg	930	930	840
Motor and controller						
7.01	Driving motor powering (S2-60min)		kW	11		
7.02	Lifting motor powering (S3-15%)		kW	12		
7.03	Driving motor controlling mode			MOSFET/AC		
7.04	Lifting motor controlling mode			MOSFET/AC		
Addition data						
8.01	Service brake/Parking brake			Hydraulic/Mechanical		
8.02	Operating pressure for attachments		Mpa	16		



Note:
The vertical axis stands for load capacity and the horizontal axis stands for load center which is calculated from the front surface of the forks to the gravity of the standard load. the standard load means a cubic with 1000mm edge length. When mast is tilted forward, using non-standard forks or loading large goods, the load capacity will be reduced. The load capacity of standard mast at different load center can be known from this load chart.

Manufacturer and Technical Data (Table 3)

Table with columns for Characteristics, Manufacturer, Model, Configuration number, Rated capacity, Load center distance, Power mode, Driving mode, Front overhang, Wheelbase, Weight, Tyres, Dimensions, Performance Data, Battery, Motor and controller, and Addition data. It lists various technical specifications for the H4 Series forklift models.



1.5t/1.8t/2t(E) Mast parameters

Table listing mast parameters for 1.5t, 1.8t, and 2t(E) models. Columns include Mast type, Mast model, Max. lifting height (mm), Load capacity (kg) for 1.5t, 1.8t, and 2t(E), Height (mm) for 1.5-1.8t and 2t(E), Free lift height (with backrest) (mm) for 1.5-1.8t and 2t(E), Service weight (kg) for 1.5t-S, 1.5t-M, 1.8t-S, 1.8t-M, 2t(E), and Mast tilt angle α/β (°) for 1.5-1.8t and 2t(E).

Note: *Indicates the rated load capacity of the front wheel with twin tyres; 2t (E) indicates that the truck type is CPD20-A5H4-S; When the front wheels of 1.5-1.8t are twin tyres (pneumatic tyres) and twin tyres (solid tyres), the service weight is increased by 58kg and 104kg respectively according to the table data.

2t/2.5t Mast parameters

Table listing mast parameters for 2t and 2.5t models. Columns include Mast type, Mast model, Max. lifting height (mm), Load capacity (kg) for 2t and 2.5t, Height (mm) for 2-2.5t, Free lift height (with backrest) (mm) for 2-2.5t, Service weight (kg) for 2.0t-S, 2.0t-M, 2.5t-S, 2.5t-M, and Mast tilt angle α/β (°) for 2-2.5t.

Note: *Indicates the rated load capacity of the front wheel with twin tyres; When the front wheels of 2-2.5t are twin tyres (pneumatic tyres) and twin tyres (solid tyres), the service weight is increased by 95kg and 155kg respectively according to the table data.

