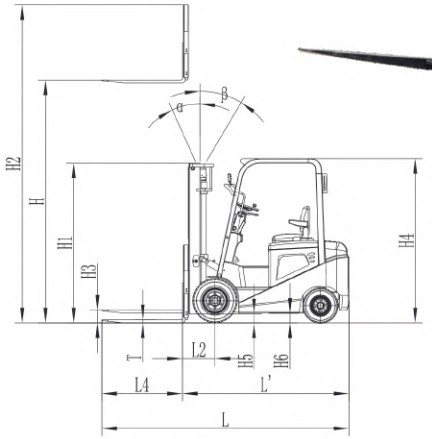
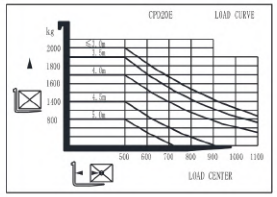
CPD20E Electric Counterbalanced Forklift Truck

Product Characteristics

- The tractor can work in narrow passage as compact appearance and small turning radius;
- Light weight, convenient energy saving, flexible, reliable and safe control mechanism;
- Standard solid tire, stronger bearing capacity and life, low maintenance cost;
- Using battery as power source, pure power, no pollution, to meet the national environmental protection requirements;
- Adopt imported SME controller, function complete, stable control, precision and performance;
- The main electrical components are famous brand products, stable performance, reliable quality;
- According to the principle of ergonomics, the operator's operating space is reasonably allocated make it comfortable and convenient;
- Fully open hood,reasonable position of battery , motor,controller, etc. Convenient for maintenance.



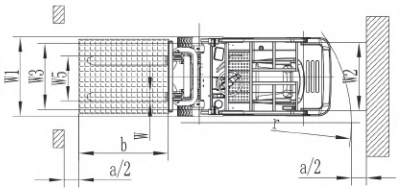


CPD20E Mast parameters

Designation	Lift height	Lowered mast height	Extended mast height	Free lift height
	mm	mm	mm	mm
Two-stage	2000	1625	2995	100
	2500	1875	3495	100
	3000	2125	3995	100
	3500	2375	4495	100
	4000	2625	4995	100
	4500	2875	5495	100
	5000	3125	5995	100
Three-stage full free mast	4000	1945	4995	900
	4500	2110	5495	1056
	5000	2275	5995	1230
	5500	2440	6495	1395

CPD20E Electric Counterbalanced Forklift Truck performance parameters

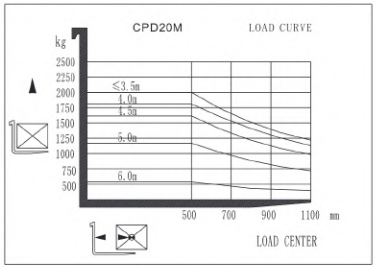
Identification	1.1	Manufacturer's type designation		HOPPER	
	1.2	Model			CPD20E
	1.3	Power Type			Electric
	1.4	Type of operation			Seated
	1.5	Load capacity/rated load	Q	kg	2000
	1.6	Load center distance	c	mm	500
	1.7	Load distance,center of drive axle to fork	L2	mm	430
	1.8	Wheelbase	L1	mm	1400
Weight	2.1	Weight(with battery)		kg	3480
	2.2	Front axle rated load laden		kg	4822
	2.3	Rear axle rated load laden		kg	658
	2.4	Front axle rated load unladen		kg	1462
	2.5	Rear axle rated load unladen		kg	2018
Dimension	3.1	Mast/fork carriage tilt forward backward	α/β	°	6/8
	3.2	Mast lowered height	H1	mm	2120
	3.3	free lift height	H3	mm	/
	3.4	Standard mast lifting height	H	mm	3000
	3.5	Extended mast height	H2	mm	3995
	3.6	Overhead load guard height	H4	mm	2180
	3.7	Seat height		mm	1180
	3.8	Coupling height		mm	425
	3.9	Overall length (with fork)	L	mm	3280
	3.10	Overall length (without fork)	L'	mm	2210
	3.11	Overall width	W1	mm	1070
	3.12	Fork Demension	TxWxL4	mm	40/122/1070
	3.13	Type of fork carriage A,B			ISO2328 2A
	3.14	Fork carriage width		mm	1038
	3.15	Fork carriage spread width	W5	mm	250-990
	3.16	Ground clearance under mast laden	H5	mm	120
	3.17	Ground clearance at center of wheelbase	H6	mm	130
	3.18	Aisle width for lengthways(pallet size 1000x1000)	Ast	mm	3640
	3.19	Aisle width for lengthways(pallet size 1200x1200)	Ast	mm	3840
	3.20	Turning radius	r	mm	2010
Tyre/Chassis	4.1	Tyre Type			Solid rubber wheel
	4.2	Tyre Size(Front)			6.50-10
	4.3	Tyre Size(Rear)			5.00-8
	4.4	Wheels Quantity, front/rear (x=driving wheels)			2x/2
	4.5	Front wheelspan		mm	890
	4.6	Rear wheelspan		mm	920
Performance	5.1	Traveling Speed(laden/unladen)		km/h	12/14
	5.2	Lifting Speed(laden/unladen)		mm/s	280/320
	5.3	Lowering Speed(laden/unladen)		mm/s	460/430
	5.4	Max.Gradient Performance S2 5min (laden/unladen)		%	12/15
	5.5	Service Brake Type			Hydraulic
	5.6	Parking Brake Type			Mechanical
Power Unit	6.1	Drive Motor Rating(AC) S2-60min		kW	8
	6.2	Lift Motor Rating(DC) S3-15%		kW	12
	6.3	Battery Voltage/Capacity K5		V/Ah	48/450
	6.4	Battery Weight		kg	700
	6.5	Max. Allowable battery size		mm	977x660x435
Others	7.1	Controller Brand			SME
	7.2	Controller Model			500A
	7.3	Operating pressure for attachment		bar	140
	7.4	Oil volume for attachments		L/min	65
	7.5	Hydraulic oil tank volume		L	33
	7.6	Sound level at driver's ear according to EN 12 053		dB	72

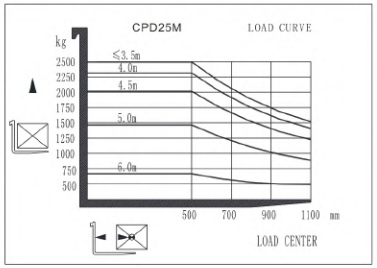


CPD20M/25M Electric Counterbalanced Forklift Truck

Product Characteristics

- Jointly developed with internationally renowned design companies, brand new design, soft appearance without losing tension.
- Covering parts are all one-piece metal stamping parts, beautiful and practical, firm and reliable.
- Using battery as power source, pure power, no pollution, meeting national environmental protection needs.
- Equipped with advanced energy regeneration system, energy saving and high efficiency, strong endurance.
- Newly developed by adopting international advanced concepts, reasonable layout, and high safety factor.
- Imported CURTIS controller, complete functions, stable and precise control, excellent performance.
- The main electrical components are all well-known brand products, with stable performance and reliable quality.
- According to the principle of ergonomics, the driver's operating space is reasonably allocated, and the operation is comfortable and convenient.
- The full-open hood, battery, motor, controller, etc. are located in a reasonable position and easy to maintain.





Standard configuration

- High-quality integrated drive axle
- High-efficiency AC travel motor
- High-power lift motor
- Multifunctional digital display instrument
- CAN bus controller
- Full hydraulic power steering
- Two-stage 3m wide field mast
- Low-resistance wear-resistant pneumatic tyre
- Safety seat
- LED front working lights, turn signals
- LED rear three-color light
- Central rearview mirror
- Folder
- Cup holder
- Integral rubber pedal pad
- Integral stamping pedal
- Integral stamping side cover
- Integral punching machine cover
- Emergency power switch
- Reversing buzzer

Optional

- Flashing warning light
- LED rear work light
- Low resistance wear-resistant solid tyres
- Suspension seat
- Left and right rearview mirrors
- Side shifter
- 48V410AH lithium battery
- 48V500AH lithium battery
- 48V600AH Lead-acid battery
- 48V600AH Lead-acid battery
- Customized two-stage mast
- Customized two-stage full free mast
- Customized three-stage full free mast
- Custom attachment
- Customized forks
- Customized fork sleeve
- Customized fork rack
- Customized shelf
- Customized vehicle color
- SMD cab

Easy-to-open counterweight cover
- Integral stamping parts, effectively protect and seal the control room

Large-screen LCD display system
- It can display human-computer interaction information and efficiently reflect the real-time status of the vehicle, and support Chinese and English fault codes

Advanced Ergonomics Technology
- Greatly improved the comfort of operation
- New design symbol and internationally safe parking brake

Imported AC controller
- Imported AC controller with advanced performance

Remove and replace the battery from the side
- Suitable for high-strength, continuous working conditions
- The battery has a jack, which can be placed on the ground for charging and maintenance operations

Advanced horizontal and vertical drive unit
- Adopt international advanced horizontal and vertical drive unit

Designation	lift height	lowered mast height	overall height		free lift height		mast/fork carriage tilt		load capacity/rated load	
			with sheves	without shelves	with sheves	without shelves	forward	backward	2.0t	2.5t
	mm	mm	mm	mm	mm	mm	deg	deg	kg	kg
Two-stage wide view mast	2500	1800	3535	3139	140	140	6	12	2000	2500
	2700	1900	3735	3339	140	140	6	12	2000	2500
	3000	2050	4035	3639	140	140	6	12	2000	2500
	3300	2200	4335	3939	140	140	6	12	2000	2500
	3500	2300	4535	4089	140	140	6	12	2000	2500
	4000	2600	5035	4239	140	140	6	12	1920	2320
	4300	2750	5335	4339	140	140	6	6	1820	2120
	4500	2850	5535	4639	140	140	6	6	1720	2020
	5000	3100	6035	4789	140	140	6	6	1240	1470
	5500	3400	6535	4889	140	140	3	6	1070	1370
	6000	3650	7035	5139	140	140	3	6	720	920
Two-stage full free mast	2500	1800	3535	3139	626	1091	6	12	2000	2500
	2700	1900	3735	3339	726	1191	6	12	2000	2500
	3000	2050	4035	3639	826	1291	6	12	2000	2500
	3300	2200	4335	3939	976	1441	6	12	2000	2500
	3500	2300	4535	4089	1076	1541	6	12	2000	2500
	4000	2600	5035	4239	1376	1841	6	12	1920	2320
Three-stage full free mast	4000	1920	5025	4560	885	1350	6	12	1820	2220
	4300	2020	5325	4860	985	1450	6	6	1720	2020
	4500	2086	5525	5060	1053	1518	6	6	1620	1920
	5000	2253	6025	5560	1219	1684	6	6	1140	1370
	5500	2453	6525	6060	1419	1884	3	6	970	1270
	6000	2620	7025	6560	1585	2050	3	6	620	820

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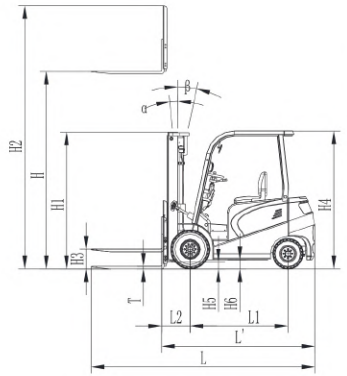
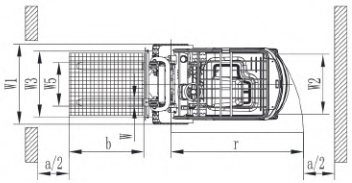
CPD20M/25M Electric Counterbalanced Forklift Truck performance parameters





					HOPPER											
Identification	1.1	Manufacturer's type designation			CPD20-MA1	CPD20-MA1S	CPD20-MJ1	CPD20-MJ1S	CPD20-MA1Li	CPD20-MA1LiS	CPD25-MA1	CPD25-MA1S	CPD25-MJ1	CPD25-MJ1S	CPD25-MA1Li	CPD25-MA1LiS
	1.2	Model			Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric
	1.3	Power Type			Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated
	1.4	Type of operation			2000	2000	2000	2000	2000	2000	2500	2500	2500	2500	2500	2500
	1.5	Load capacity/Rated load	Q	kg	500	500	500	500	500	500	500	500	500	500	500	500
	1.6	Load center distance	c	mm	435	435	435	435	435	435	435	435	435	435	435	435
	1.7	Load distance,center of drive axle to fork	L2	mm	1485	1485	1485	1485	1485	1485	1485	1485	1485	1485	1485	1485
	1.8	Wheelbase	L1	mm												
Dimension	2.1	Mast/fork carriage tilt forward/backward	α/β	°	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12
	2.2	Mast lowered height	H1	mm	2050	2050	2050	2050	2050	2050	2050	2050	2050	2050	2050	2050
	2.3	Free lift height	H3	mm	140	140	140	140	140	140	140	140	140	140	140	140
	2.4	Standard mast lifting height	H	mm	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
	2.5	Extended mast height	H2	mm	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025
	2.6	Overhead load guard height	H4	mm	2125	2125	2125	2125	2125	2125	2125	2125	2125	2125	2125	2125
	2.7	Seat height		mm	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070
	2.8	Coupling height		mm	308	308	308	308	308	308	308	308	308	308	308	308
	2.9	Overall length(with fork)	L	mm	3400	3400	3400	3400	3400	3400	3400	3400	3400	3400	3400	3400
	2.10	Overall length(without fork)	L'	mm	2330	2330	2330	2330	2330	2330	2330	2330	2330	2330	2330	2330
	2.11	Overall width	W1	mm	1265	1265	1265	1265	1265	1265	1265	1265	1265	1265	1265	1265
	2.12	Fork Dimension	TxWxL4	mm	40/122/1070	40/122/1070	40/122/1070	40/122/1070	40/122/1070	40/122/1070	40/122/1070	40/122/1070	40/122/1070	40/122/1070	40/122/1070	40/122/1070
	2.13	Type of fork carriage A,B			ISO2328 2A	ISO2328 2A	ISO2328 2A	ISO2328 2A	ISO2328 2A	ISO2328 2A	ISO2328 2A	ISO2328 2A	ISO2328 2A	ISO2328 2A	ISO2328 2A	ISO2328 2A
	2.14	Fork carriage width		mm	1038	1038	1038	1038	1038	1038	1038	1038	1038	1038	1038	1038
	2.15	Fork carriage spread width	W5	mm	247-995	247-995	247-995	247-995	247-995	247-995	247-995	247-995	247-995	247-995	247-995	247-995
	2.16	Ground clearance under mast laden	H5	mm	115	115	115	115	115	115	115	115	115	115	115	115
	2.17	Ground clearance at center of wheelbase	H6	mm	120	120	120	120	120	120	120	120	120	120	120	120
	2.18	Aisle width for lengthways (pallet size 1000x1000)	Ast	mm	3715	3715	3715	3715	3715	3715	3715	3715	3715	3715	3715	3715
	2.19	Aisle width for lengthways (pallet size 1200x1200)	Ast	mm	3915	3915	3915	3915	3915	3915	3915	3915	3915	3915	3915	3915
	2.20	Turning radius	r	mm	2080	2080	2080	2080	2080	2080	2080	2080	2080	2080	2080	2080
Weight	3.1	Weight(with battery)		kg	3630	3690	3630	3690	3360	3420	4050	4110	4050	4110	4050	4110
	3.2	Front axle rated load laden		kg	5035	5050	5035	5050	4720	4745	5820	5840	5820	5840	5820	5840
	3.3	Rear axle rated load laden		kg	595	630	595	630	640	675	730	770	730	770	730	770
	3.4	Front axle rated load unladen		kg	1775	1795	1775	1795	1465	1485	1745	1765	1745	1765	1745	1765
	3.5	Rear axle rated load unladen		kg	1855	1895	1855	1895	1895	1935	2305	2345	2305	2345	2305	2345
Tyre/Chassis	4.1	Tyre Type			Pneumatic tyre	Pneumatic tyre	Pneumatic tyre	Pneumatic tyre	Pneumatic tyre	Pneumatic tyre	Pneumatic tyre	Pneumatic tyre	Pneumatic tyre	Pneumatic tyre	Pneumatic tyre	Pneumatic tyre
	4.2	Front tyre size			23×9-10-18PR	23×9-10-18PR	23×9-10-18PR	23×9-10-18PR	23×9-10-18PR	23×9-10-18PR	23×9-10-18PR	23×9-10-18PR	23×9-10-18PR	23×9-10-18PR	23×9-10-18PR	23×9-10-18PR
	4.3	Rear tyre size			18X7-8-14PR	18X7-8-14PR	18X7-8-14PR	18X7-8-14PR	18X7-8-14PR	18X7-8-14PR	18X7-8-14PR	18X7-8-14PR	18X7-8-14PR	18X7-8-14PR	18X7-8-14PR	18X7-8-14PR
	4.4	Tyre quantity (X=driving wheels)			2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2
	4.5	Front wheelspan		mm	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058	1058
	4.6	Rear wheelspan		mm	950	950	950	950	950	950	950	950	950	950	950	950
Performance	5.1	Travel speed(laden/unladen)		km/h	14/15	14/15	14/15	14/15	14/15	14/15	14/15	14/15	14/15	14/15	14/15	14/15
	5.2	Lift speed(laden/unladen)		mm/s	260/430	260/430	260/430	260/430	260/430	260/430	260/430	260/430	260/430	260/430	260/430	260/430
	5.3	Lowering speed(laden/unladen)		mm/s	450/410	450/410	450/410	450/410	450/410	450/410	450/410	450/410	450/410	450/410	450/410	450/410
	5.4	Max.gradient performance:S2 5min(laden/unladen)		%	15/20	15/20	15/20	15/20	15/20	15/20	15/20	15/20	15/20	15/20	15/20	15/20
	5.5	Service Brake Type			Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
	5.6	Parking Brake Type			Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Power Unit	6.1	Drive motor rating S2 60min		kW	11	11	11	11	11	11	11	11	11	11	11	11
	6.2	Lift motor rating at S3 15%		kW	12	12	10	10	12	12	12	12	10	10	12	12
	6.3	Battery voltage/normal capacity K5		V/Ah	48/630 (600-x-700)	48/630 (600-x-700)	48/630 (600-x-700)	48/630 (600-x-700)	48/460 (410-x-500)	48/460 (410-x-500)	48/630 (600-x-700)	48/630 (600-x-700)	48/630 (600-x-700)	48/630 (600-x-700)	48/460 (410-x-500)	48/460 (410-x-500)
	6.4	Battery Weight		kg	990 (930-1200)	990 (930-1200)	990 (930-1200)	990 (930-1200)	300 (280-320)	300 (280-320)	990 (930-1200)	990 (930-1200)	990 (930-1200)	990 (930-1200)	990 (930-1200)	990 (930-1200)
	6.5	Maximum allowable battery size		mm	964x580x675	964x580x675	964x580x675	964x580x675	964x580x675	964x580x675	964x580x675	964x580x675	964x580x675	964x580x675	964x580x675	964x580x675
Others	7.1	Controller Brand			CURTIS	CURTIS	CURTIS	CURTIS	CURTIS	CURTIS	CURTIS	CURTIS	CURTIS	CURTIS	CURTIS	CURTIS
	7.2	Controller Model			1234SE+1232SE	1234SE+1232SE	1234SE+1253	1234SE+1253	1234SE+1232SE	1234SE+1232SE	1234SE+1232SE	1234SE+1232SE	1234SE+1253	1234SE+1253	1234SE+1232SE	1234SE+1232SE
	7.3	Operating pressure for attachment		bar	140	140	140	140	140	140	140	140	140	140	140	140
	7.4	Oil volume for attachments		L/min	65	65	65	65	65	65	65	65	65	65	65	65
	7.5	Hydraulic oil tank volume		L	35	35	35	35	35	35	35	35	35	35	35	35
	7.6	Sound level at driver's ear according to EN 12 053		dB	72	72	72	72	72	72	72	72	72	72	72	72

Remarks and disclaimer

- M:the series code. A:full AC system. J:Semi-ac system. 1:Serial number. Li:lithium battery. S: The battery can be removed from the side.

Classic Red

Vibrant Orange

Desert gold (metallic paint)

Vegetation green

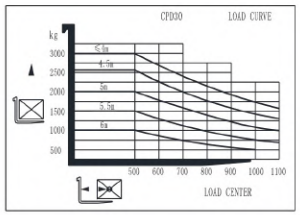
Royal blue

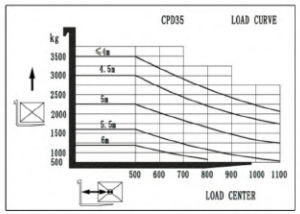
Starry Sky Grey (metallic paint)

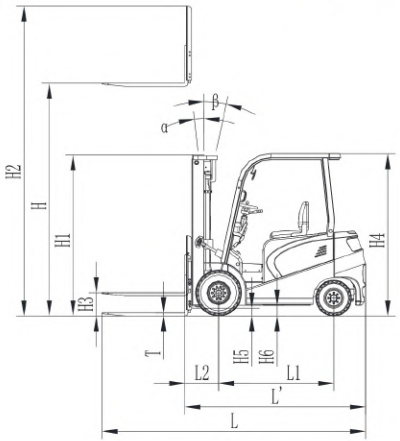
CPD30M/35M Electric Counterbalanced Forklift Truck

Product Characteristics

- The vehicle has a compact appearance and a small turning radius, which can work in narrow passages.
- Light weight, convenient energy saving, flexible control mechanism, reliable and safe.
- Standard large-capacity battery, stronger power and longer endurance.
- Using battery as power source, pure power, no pollution, meeting national environmental protection needs.
- Equipped with advanced energy regeneration system, with energy-saving, high-efficiency and long battery life.
- Imported MOSFET controller, complete functions, stable and precise control, excellent performance.
- The main electrical components are all well-known brand products, with stable performance and reliable quality.
- According to the principle of ergonomics, the driver's operating space is reasonably allocated, and the operation is comfortable and convenient.
- The full-open hood, battery, motor, controller, etc. are located in a reasonable position and easy to maintain.

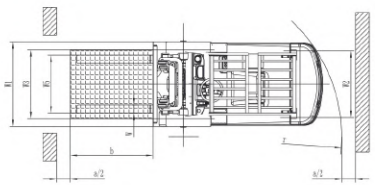






CPD30M/35M Mast parameters

Designation	Lift height	Lowered mast height	Overall height		Free lift height		mast/fork carriage tilt		Load capacity
			With shelves	Without shelves	With shelves	Without shelves	forward	backward	
	mm	mm	mm	mm	mm	mm	deg	deg	kg
Two-stage wideviewmast	3000	2060	4208	3605	/	/	6	12	3000
	3500	2310	4708	4105	/	/	6	12	3000
	4000	2560	5208	4605	/	/	6	8	3000
	4500	2810	5708	5105	/	/	6	8	2500
Three-stage full free mast	4000	1936	5208	4605	728	1290	6	8	3000
	4500	2101	5708	5105	893	1455	6	8	2500
	5000	2370	6208	5605	1058	1620	3	6	2000
	5500	2431	6708	6105	1223	1785	3	6	1500
	6000	2651	7208	6605	1443	2005	3	6	1000

CPD30M/CPD35M Electric Counterbalanced Forklift Truck performance parameters

					HOPPER	
Identification	1.1	Manufacturer's type designation			HOPPER	
	1.2	Model			CPD30M	CPD35M
	1.3	Power Type			Electric	Electric
	1.4	Type of operation			Seated	Seated
	1.5	Load capacity/rated load	Q	kg	3000	3500
	1.6	Load center distance	c	mm	500	500
	1.7	Load distance,center of drive axle to fork	L2	mm	480	485
	1.8	Wheelbase	L1	mm	1685	1685
Dimension	2.1	Mast/fork carriage tilt forward/backward	α/β	°	6/10	6/10
	2.2	Mast lowered height	H1	mm	2080	2080
	2.3	Free lift	H3	mm	150	150
	2.4	Standard mast lifting height	H	mm	3000	3000
	2.5	Extended mast height	H2	mm	4251	4251
	2.6	Overhead load guard height	H4	mm	2125	2125
	2.7	Seat height/standing height		mm	1070	1070
	2.8	Coupling height		mm	303	303
	2.9	Overall length(with fork)	L	mm	3645	3650
	2.10	Overall length without fork	L'	mm	2575	2580
	2.11	Overall width	W1	mm	1265	1360
	2.12	Fork Dimension	TxWxL4	mm	45x125x1070	50x125x1070
	2.13	Type of fork carriage			ISO2328 3A	ISO2328 3A
	2.14	Fork carriage width		mm	1100	1100
	2.15	Fork carriage spread width	W5	mm	250-1050	250-1050
	2.16	Ground clearance under mast laden	H5	mm	115	115
	2.17	Ground clearance from center of wheelbase	H6	mm	120	120
	2.18	Aisle width for lengthways (1000x1000tray)	Ast	mm	4015	4015
	2.19	Aisle width for lengthways (1200x1200tray)	Ast	mm	4215	4215
	2.20	Turning radius	r	mm	2330	2330
Weight	3.1	Weight(with battery)		kg	4700	5180
	3.2	Front axle rated load laden		kg	6965	7790
	3.3	Rear axle rated load laden		kg	735	860
	3.4	Front axle rated load unladen		kg	2220	2245
	3.5	Rear axle rated load unladen		kg	2480	2905
Tyre/Chassis	4.1	Tyre Type			Solid wheel	Solid wheel
	4.2	Front tyre size			23x10-12	23x10-12
	4.3	Rear tyre size			18x7-8	18x7-8
	4.4	Tyre quantity (X=driving wheels)			2x/2	2x/2
	4.5	Front wheelspan		mm	1135	1135
	4.6	Rear wheelspan		mm	980	980
Performance	5.1	Travel speed(laden/unladen)		km/h	14.5/13.5	
	5.2	Lift speed(laden/unladen)		mm/s	260/400	
	5.3	Lowering speed(laden/unladen)		mm/s	260/390	
	5.4	Max.gradient performance S2 5min(laden/unladen)		%	15/20	
	5.5	Service brake			Hydraulic	
	5.6	Parking brake			Mechanical	
Power Unit	6.1	Drive motor rating S2 60min		kW	12	16.6
	6.2	Lift motor rating at S3 15%		kW	13/13.5	13/13.5
	6.3	Battery voltage/normal capacity K5		V/Ah	80/500(Max 600)	80/500 (Max 600)
	6.4	Battery weight		kg	1350 (1350-1550)	1350 (1350-1550)
	6.5	Maximum allowable battery size		mm	675x780x964	675x780x964
Other details	7.1	Type of travel control			MOSFET/AC	MOSFET/AC
	7.2	Type of lift control			MOSFET/AC	MOSFET/AC
	7.3	Drive controller manufacture			CURTIS	CURTIS
	7.4	Type of drive controller			1236SE+1234SE	1236SE+1234SE
	7.5	Operating pressure for attachments		bar	140	
	7.6	Oil volume for attachments		L/min	65	
	7.7	Hydraulic oil tank volume		L	≥22	
	7.8	Sound level at driver's ear according to EN 12 053		dB	72