

## Mast Specifications

Mast Type	Lift height	h3(mm)	Capacity (kg)				
			3000	3300	3500	4000	4500
Standard Masts	Retracted height	h1(mm)	2070	2220	2320	2620	2870
	Free lift (With LBR)	h2(mm)	150	150	150	150	150
	Free lift (Without LBR)	h2(mm)	150	150	150	150	150
	Height of overall at max. lift (With LBR)	h4(mm)	4045	4345	4545	5045	5545
	Height of overall at max. lift (Without LBR)	h4(mm)	3639	3939	4139	4639	5139
Duplex Masts	Lift height	h3(mm)	3000	3300	4000	-	-
	Retracted height	h1(mm)	2036	2186	2586	-	-
	Free lift (With LBR)	h2(mm)	990	1140	1540	-	-
	Free lift (Without LBR)	h2(mm)	1385	1535	1935	-	-
	Height of overall at max. lift (With LBR)	h4(mm)	4045	4345	5045	-	-
Triplex Masts	Lift height	h3(mm)	4100	4350	4550	5000	5500
	Retracted height	h1(mm)	1986	2086	2186	2336	2586
	Free lift (With LBR)	h2(mm)	940	1040	1140	1290	1540
	Free lift (Without LBR)	h2(mm)	1335	1435	1535	1685	1935
	Height of overall at max. lift (With LBR)	h4(mm)	5145	5395	5595	6045	6545

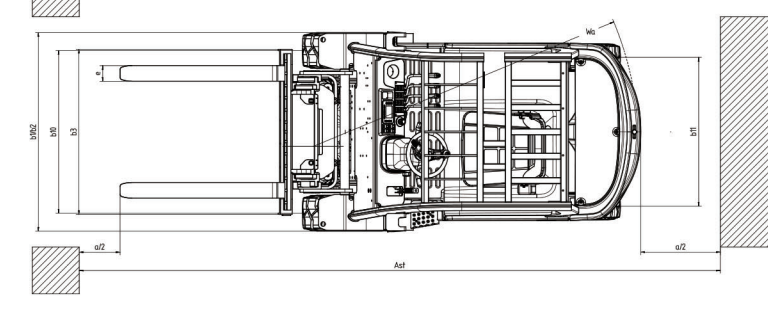
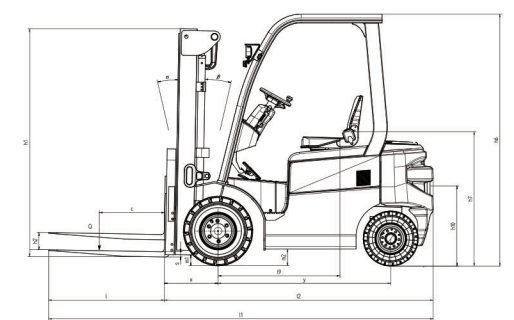
Subject to modification in the interests of progress, illustration and technical details not binding for actual constructions and may show the optional equipments.

H [mm]	Q [kg]
5545	1020
6045	1180
5545	1280
5045	1420
4545	1560
4045	1700
≤4000	1840
≤4000	2000

H [mm]	Q [kg]
6545	800
6045	980
5545	1120
5045	1260
4895	1370
4695	1420
4595	1440
4395	1630
4145	1740
≤3700	1810

H [mm]	Q [kg]
5545	1140
5045	1380
4545	1620
4045	1860
≤4000	2100

H [mm]	Q [kg]
6545	840
6045	1020
5545	1210
5045	1400
4895	1530
4695	1660
4595	1700
4395	1950
4145	2060
≤3700	2260



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KBM 2022.12



## KBE20/25-01 Battery Counterbalanced Forklift



[WWW.BAOLI-MH.COM](http://WWW.BAOLI-MH.COM)

## Technical Specifications

Distinguishing Mark	Description	Capacity (kg)			
		3000	3300	3500	4000
1.1	Manufacturer	BAOLI	BAOLI	BAOLI	BAOLI
1.21	Configuration code	KBE20-01	KBE25-01	KBE20-Li-01	KBE25-Li-01
1.3	Drive	Electric	Electric	Electric	Electric
1.4	Operator type	Seated	Seated	Seated	Seated
1.5	Rated capacity/rated load	Q(t)	2.0	2.5	2.5
1.6	Load centre distance	c(mm)	500	500	500
1.8	Load distance, centre of drive axle to fork	x(mm)	464	464	464
1.9	Wheelbase	y(mm)	1495	1495	1495
2.1	Service weight	kg	3605	4105	3310
2.2	Axle loading, laden front/rear	kg	5025/580	5870/735	4720/590
2.3	Axle loading, unladen front/rear	kg	1725/1880	1755/2350	1430/1880
3.1	Tyres: SE=Solid, P=pneumatic	PN	PN	PN	PN
3.2	Tyre size, front	23×9-10	23×9-10	23×9-10	23×9-10
3.3	Tyre size, rear	18×7-8	18×7-8	18×7-8	18×7-8
3.5	Wheels, number front/rear (* = driven wheels)	2X / 2	2X / 2	2X / 2	2X / 2
3.6	Tread, front	b10(mm)	1040	1040	1040
3.7	Tread, rear	b11(mm)	950	950	950
4.1	Tilt of mast/fork carriage forward/backward	α(°)	6/10	6/10	6/10
4.2	Height of mast, lowered	h1(mm)	2070	2068	2070
4.3	Free lift	h2(mm)	150	150	150
4.4	Lift	h3(mm)	3000	3000	3000
4.5	Height of mast, extended	h4(mm)	4045	4045	4045
4.7	Height of overhead guard (cabin)	h6(mm)	2150	2150	2150
4.8	Height of seat/stand-on platform	h7(mm)	1166	1166	1166
4.12	Coupling height	h10(mm)	660	660	660
4.19	Overall length	l1(mm)	3370	3370	3370
4.20	Length to face of forks	l2(mm)	2370	2370	2370
4.21	Overall width	b1/b2 (mm)	1265	1265	1265
4.22	Fork dimensions ISO 2331	s×e×l(mm)	45×100×1000	45×100×1000	45×100×1000
4.23	Fork carriage to ISO 2338, class/type A, B		2A	2A	2A
4.24	Fork-carriage width	b3(mm)	1040	1040	1040
4.31	Ground clearance, laden, below mast	m1(mm)	106	102	106
4.32	Ground clearance, centre of wheelbase	m2(mm)	120	120	120
4.33	Aisle width with pallet 1000 × 1200 across forks	Ast1(mm)	3710	3710	3710
4.34	Aisle width with pallet 800 × 1200 along forks	Ast2(mm)	3910	3910	3910
4.35	Turning radius	Wa(mm)	2046	2046	2046
4.36	Minimum pivoting point distance	b13(mm)	564	564	564
5.1	Travel speed, laden/unladen	km/h	15/15	15/15	15/15
5.2	Lift speed, laden/unladen	mis	0.33/0.38	0.28/0.38	0.33/0.38
5.3	Lowering speed, laden/unladen	mis	0.43/0.47	0.43/0.47	0.43/0.47
5.6	Max. drawbar pull, laden/unladen	N	11900/9400	11790/9600	11790/9600
5.8	Max. gradeability, laden/unladen	%	18/20	18/20	18/20
5.9	Acceleration time, laden/unladen	s	6.5/5.5	6.5/5.5	6.5/5.5
5.10	Service brake		Mechanical Hydraulic	Mechanical Hydraulic	Mechanical Hydraulic
6.1	Drive motor rating S2 60 min	kW	10.2	10.2	10.2
6.2	Lift motor rating at S3 15%	kW	11.5	11.5	11.5
6.3	Battery according to DIN 43531/35/36 A,B,C,no		DIN 43531 B	DIN 43531 B	DIN 43531 B
6.4	Battery voltage/nominal capacity K5	V/Ah	48/600	48/600	51.2/277
6.5	Battery weight (E)	kg	990	990	230
10.1	Operating pressure for attachments	bar	145	170	145
10.2	Oil flow for attachments	l/min	24	24	24
10.7	Sound pressure level at the driver's seat	dB(A)	67	67	67



# OUR ADVANTAGES

## » SUPER POWER & EFFICIENCY PIONEER

- Digital controller with over 50 years' German experience on electric truck software development, provides powerful and efficient output to the motor drive system.
- 11.5Kw lifting motor, short acceleration time & fast mast lifting speed. The efficiency pioneer in electric forklift.
- 10.2Kw driving motor, 18% climbing ability with full load, start at half-slope with ease, fulfill various applications.

## » HIGH STANDARD & HIGH REQUIREMENT & HIGH QUALITY

- Follow German KION Group unified testing standards, the main components have passed high-strength cycle tests, reliable quality.
- High stability of the truck, new design mast, reliable in quality, 4000mm high lifting height with rate load.
- Internal electrical components reach IP67 class water/dust proof, easily cope with extreme harsh environment.
- KION Li-ion battery with high safety and high reliability which is developed for forklift.



## » CONVENIENT MAINTENANCE & COST EFFECTIVE

- Adopt easy maintenance design concept, major parts replacement time is shortened by 15%.
- Diagnosis access available via phone, quick diagnosis, accurate and convenient.
- Apply high-quality oil and filters to reduce replacement frequency and maintenance cost.
- Maintenance-free, Li-ion battery no need to fill water.
- Enjoy low-cost and high-quality service with a long warranty of lithium battery.

## » SAFETY AND COMFORT & ENJOY DRIVING EXPERIENCE

- Ergonomic design, large operating space provides comfortable driving.
- Multifunctional color display, USB interface, enhance operator-truck interaction.
- Adopt optimized wide view mast design, provide a wide driving view, safety and efficiency.
- Side charging port design ensures an easy and comfortable charging way.
- KION communication protocol ensures charging safety.



## » ENERGETIC & LOW TEMPERATURE WORRY FREE

- Emergency endurance function ensures the truck can still be driven to the charging area.
- The charge and discharge efficiency of Li-ion battery > 90%.
- Li-ion battery with a long life cycle.
- Standard with Li-ion battery intelligent heating system to fit -20°C working temperature.

## » INTELLECTUALIZATION & HUMANIZATION

- Intelligent regenerative energy management improves energy utilization efficiency.
- The system automatically enters sleep mode after no operation for 1 hour.



POWERFUL



RELIABLE



CONVENIENT



WORRY FREE