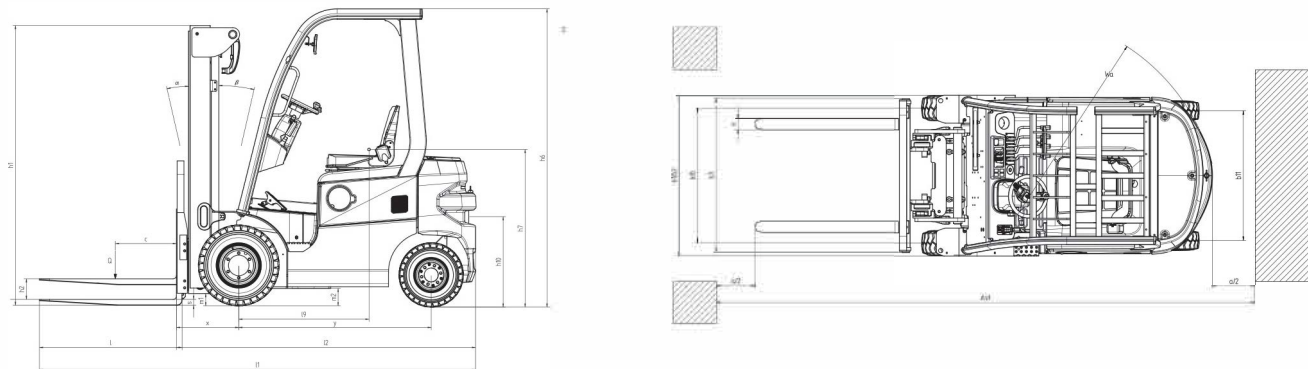


## Technical Specifications



			BAOLI	BAOLI	BAOLI	
Distinguishing Mark	1.1	Manufacturer	BAOLI	BAOLI	BAOLI	
	1.21	Configuration code	KBE15-Li-01	KBE18-Li-01	KBES20-Li-01	
	1.3	Drive	Electric	Electric	Electric	
	1.4	Operator type	Seated	Seated	Seated	
	1.5	Rated capacity/rated load	Q(t)	1.5	1.8	2
	1.6	Load centre distance	c(mm)	500	500	500
	1.8	Load distance, centre of drive axle to fork	x(mm)	455	455	455
	1.9	Wheelbase	y(mm)	1405	1405	1405
	2.1	Service weight	kg	2970	3200	3425
Weight	2.2	Axle loading, laden front/rear	kg	3970/500	4495/505	4840/585
	2.3	Axle loading, unladen front/rear	kg	1425/1545	1430/1770	1450/1975
	3.1	Tyres: SE=solid, P=pneumatic		PN	PN	PN
Tyres /Chassis	3.2	Tyre size, front		6.50-10/14PR	6.50-10/14PR	23X9-10/16PR
	3.3	Tyre size, rear		5.00-8/10PR	5.00-8/10PR	5.00-8/10PR
	3.5	Wheels, number front/rear (* = driven wheels)		2X /2	2X /2	2X /2
	3.6	Tread, front	b10(mm)	930	930	975
	3.7	Tread, rear	b11(mm)	900	900	900
	Basic Dimensions	4.1	Tilt of mast/fork carriage forward/backward	ab(°)	6/10	6/10
4.2		Height of mast, lowered	h1(mm)	2068	2068	2076
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)	4040	4040	4040
4.7		Height of overhead guard (cabin)	h6(mm)	2150	2150	2150
4.8		Height of seat/stand-on platform	h7(mm)	1157	1157	1157
4.12		Coupling height	h10(mm)	640	640	640
4.19		Overall length	l1(mm)	3188	3188	3232
4.20		Length to face of forks	l2(mm)	2188	2188	2232
4.21		Overall width	b1/b2 (mm)	1120	1120	1220
4.22		Fork dimensions ISO 2331	ssexl(mm)	40x100x1000	40x100x1000	40x100x1000
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)	100	100	100
4.32		Ground clearance, centre of wheelbase	m2(mm)	120	120	120
4.33		Aisle width with pallet 1000 x 1200 across forks	Ast1(mm)	3526	3526	3626
4.34		Aisle width with pallet 800 x 1200 along forks	Ast2(mm)	3725	3725	3825
4.35		Turning radius	Wa(mm)	1870	1870	1970
4.36		Minimum pivoting point distance	b13(mm)	536	536	536
Performance Data		5.1	Travel speed, laden/unladen	km/h	15/15	15/15
	5.2	Lift speed, laden/unladen	m/s	0.36/0.48	0.32/0.48	0.32/0.48
	5.3	Lowering speed, laden/unladen	m/s	0.43/0.47	0.44/0.48	0.43/0.48
	5.6	Max. drawbar pull, laden/unladen	N	10700/7300	10600/7500	10500/7500
	5.8	Max. gradeability, laden/unladen	%	18/20	18/20	15/18
	5.9	Acceleration time, laden/unladen	s	6.01/5.42	6.34/5.67	6.64/5.88
Electric Engine	6.1	Service brake		Mechanical Hydraulic	Mechanical Hydraulic	Mechanical Hydraulic
	6.1	Drive motor rating S2 60 min	kW	8.8	8.8	8.8
	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		NA	NA	NA
	6.4	Battery voltage/nominal capacity K5	V/Ah	80V228Ah	80V228Ah	80V228Ah
6.5	Battery weight (E)	kg	210	210	210	
Misc	10.1	Operating pressure for attachments	bar	150	170	185
	10.2	Oil flow for attachments	l/min	22	22	22
	10.7	Sound pressure level at the driver's seat	dB(A)	65	65	65

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



## KION Baoli Forklift Co., Ltd.

No. 399 Longmahe West Road, Laiwu District, Jinan City, Shandong Province, China

Sales and Service Hotline | 400-878-1999

A Brand of  
**KION**

*Baoli*

## KBE15/18-Li-01 KBES20-Li-01 Battery Counterbalanced Forklift





## MAIN CONFIGURATION AND FEATURES



### HIGH EFFICIENCY

- KION Digital Controller
- KION producer of JULI motor
- Local software development in Germany



### FLEXIBLE

- Li-ION battery-powered forklift
- Smaller turning radius
- Saves operation space and offers more flexibility



### STRONG POWER

- Maximum climbing ability with a full load is 18%
- Shortened acceleration time
- Fast mast lifting speed
- Lost load height reaching 4,250 mm



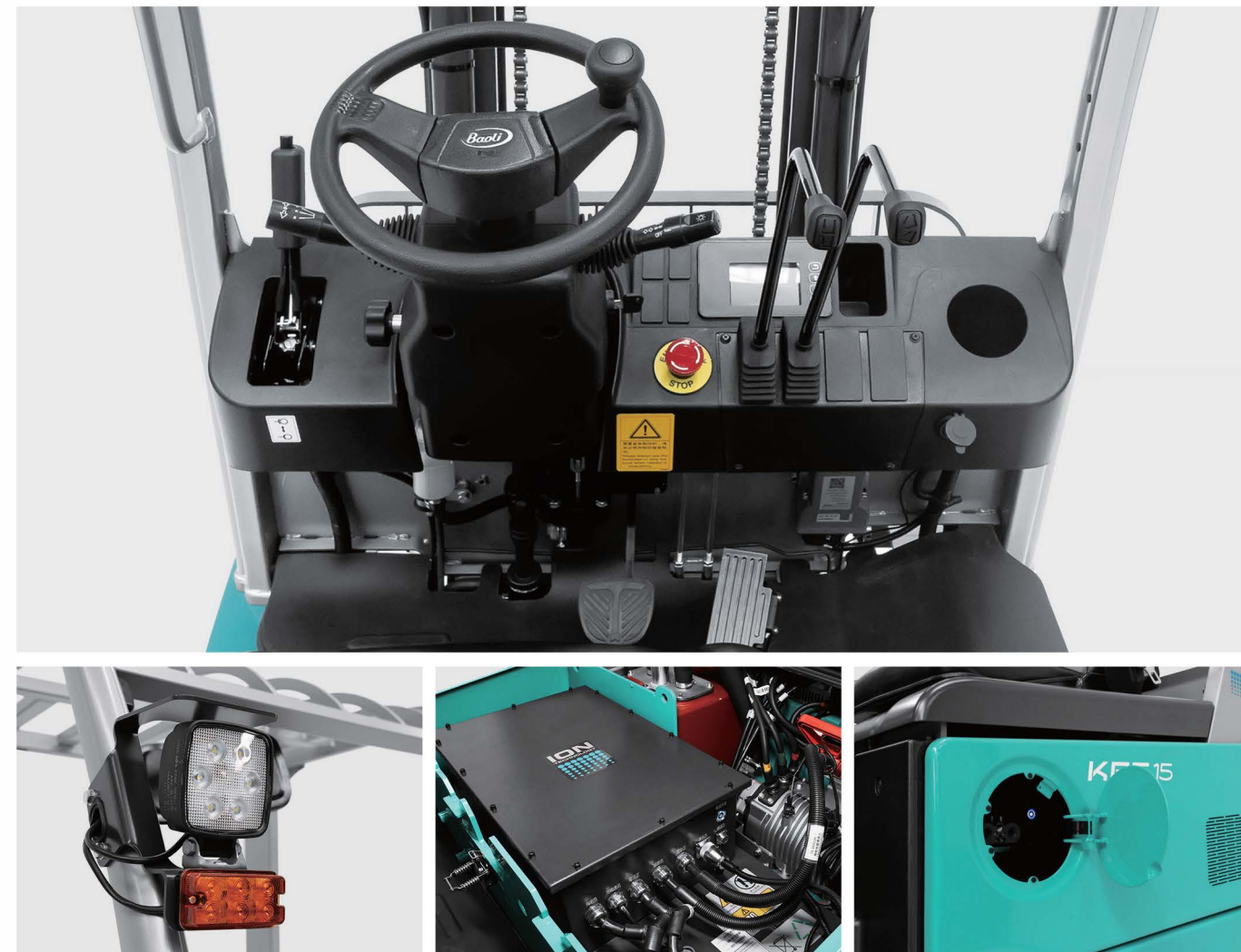
### CONVENIENT MAINTENANCE

- Easy maintenance design concept, reducing major parts replacement time by 15%
- High-quality oil and filters to reduce replacement frequency and maintenance costs
- Reasonable component structure layout and routing
- Li-ION battery: 5 years or 10,000 hours



### STANDARD OPTIONS

- Li-ION heating system / Side charging port / Colourful display / 80V 228Ah Li-ION battery
- Optional: Cold store / Maximum mast height up to 6.5 meters



## Mast Specifications

Mast Type	Lift height (1.5/1.8/2t)	h3 (mm)	Capacity (kg)				
			3500	4000	4500	5000	
Standard Masts	Retracted height (1.5/1.8t)	h1 (mm)	2068	2318	2568	2818	3118
	Retracted height (2t)	h1 (mm)	2076	2326	2576	2826	3126
	Free lift (With LBR) (1.5/1.8/2t)	h2 (mm)	150	150	150	150	150
	Free lift (Without LBR) (1.5/1.8/2t)	h2 (mm)	150	150	150	150	150
	Height of overall a max lift (With LBR) (1.5/1.8/2t)	h3 (mm)	4040	4540	5040	5540	6040
Duplex Masts	Height of overall a max lift (Without LBR) (1.5t)	h4 (mm)	3511	4011	4511	5011	5511
	Height of overall a max lift (Without LBR) (1.8/2t)	h4 (mm)	3651	4151	4651	5151	5651
	Lift height (1.5/1.8/2t)	h3 (mm)	3000	3500	4000	-	-
	Retracted height (1.5/1.8t)	h1 (mm)	2033	2283	2533	-	-
	Retracted height (2t)	h1 (mm)	2041	2291	2541	-	-
Triplex Masts	Free lift (With LBR) (1.5/1.8/2t)	h2 (mm)	990	1240	1490	-	-
	Free lift (Without LBR) (1.5t)	h2 (mm)	1525	1775	2025	-	-
	Free lift (Without LBR) (1.8/2t)	h2 (mm)	1385	1635	1885	-	-
	Height of overall a max lift (With LBR) (1.5/1.8/2t)	h3 (mm)	4040	4540	5040	-	-
	Height of overall a max lift (Without LBR) (1.5t)	h4 (mm)	3511	4011	4511	-	-
Triplex Masts	Height of overall a max lift (Without LBR) (1.8/2t)	h4 (mm)	3651	4151	4651	-	-
	Lift height (1.5/1.8/2t)	h3 (mm)	4100	4550	5000	5500	6000
	Retracted height (1.5/1.8t)	h1 (mm)	1983	2133	2283	2533	2783
	Retracted height (2t)	h1 (mm)	1991	2141	2291	2541	2791
	Free lift (With LBR) (1.5/1.8/2t)	h2 (mm)	940	1090	1240	1490	1740
Triplex Masts	Free lift (Without LBR) (1.5t)	h2 (mm)	1475	1625	1775	2025	2275
	Free lift (Without LBR) (1.8/2t)	h2 (mm)	1335	1485	1635	1885	2135
	Height of overall a max lift (With LBR) (1.5/1.8/2t)	h3 (mm)	5140	5590	6040	6540	7040
	Height of overall a max lift (Without LBR) (1.5t)	h4 (mm)	4611	5061	5511	6011	6511
	Height of overall a max lift (Without LBR) (1.8/2t)	h4 (mm)	4751	5201	5651	6151	6651

KBE15-Li-01 Standard mast residual capacity chart

H (mm)	Q (kg)
5040	1000
4540	1300
4040	1500
3540	1600
3040	1500
2540	1300
2040	900
1540	600
1040	500

KBE18-Li-01 Standard mast residual capacity chart

H (mm)	Q (kg)
5040	1100
4540	1500
4040	1800
3540	1900
3040	1800
2540	1500
2040	900
1540	600
1040	500

KBES20-Li-01 Standard mast residual capacity chart

H (mm)	Q (kg)
5040	1200
4540	1560
4040	1960
3540	2000
3040	1800
2540	1400
2040	900
1540	600
1040	500

KBE15-Li-01 Triplex mast residual capacity chart

H (mm)	Q (kg)
6040	660
5540	840
5040	1010
4590	1140
4290	1180
4140	1340
4100	1500
3700	1500
3300	1000
2800	600
2300	500

KBE18-Li-01 Triplex mast residual capacity chart

H (mm)	Q (kg)
6040	960
5540	1140
5040	1310
4890	1370
4290	1440
4140	1640
3700	1800
3300	1800
2900	1100
2400	700
1900	500

KBES20-Li-01 Triplex mast residual capacity chart

H (mm)	Q (kg)
6040	1070
5540	1270
5040	1470
4890	1530
4290	1600
4140	1820
3700	2000
3300	2000
2900	1100
2400	700
1900	500