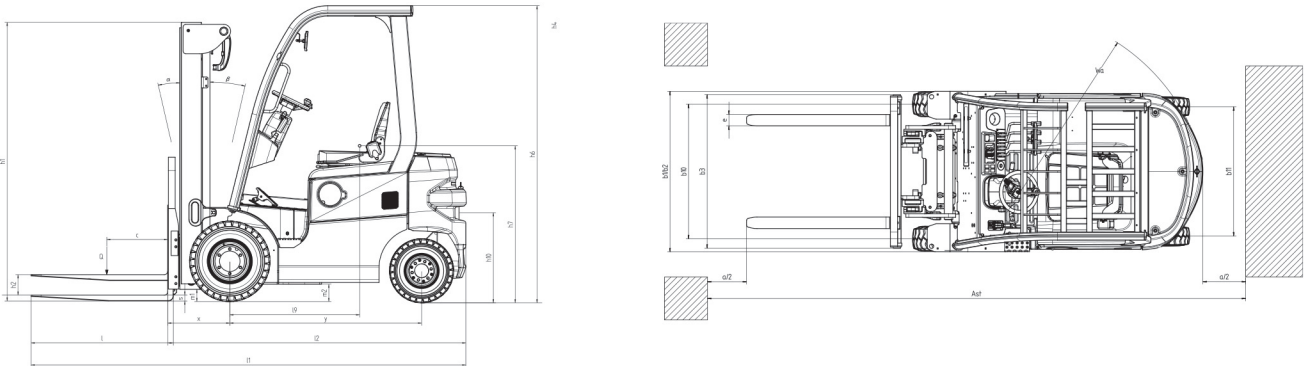


Technical Specifications



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
Weight	1.9	Wheelbase	y(mm)	1405	1405	1405
	2.1	Service weight	kg	2970	3200	3425
	2.2	Axle loading, laden front/rear	kg	3970/500	4495/505	4840/585
Tyres / Classes	2.3	Axle loading, unladen front/rear	kg	1425/1545	1430/1770	1450/1975
	3.1	Tyres: SE=solid, P=pneumatic		PN	PN	PN
	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	a/b(°)	6/10	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	sxex(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	Ast(mm)	3526	3526	3626
	4.34	Aisle width with pallet 800 x 1200 along forks	Ast(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	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, lade/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
Electric Engine	5.9	Acceleration time, laden/unladen	s	6.01/5.42	6.34/5.67	6.64/5.88
	5.10	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
Misc	6.4	Battery voltage/nominal capacity K5	V/Ah	80V228Ah	80V228Ah	80V228Ah
	6.5	Battery weight (E)	kg	210	210	210
	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



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





MAIN CONFIGURATION AND FEATURES

HIGH EFFICIENCY

- KION digital controller
- KION producer JULI motor
- Local software development in Germany

FLEXIBLE

Li-ion dedicated version, smaller turning radius and aisle width, saves the operation space and more flexible

STRONG POWER

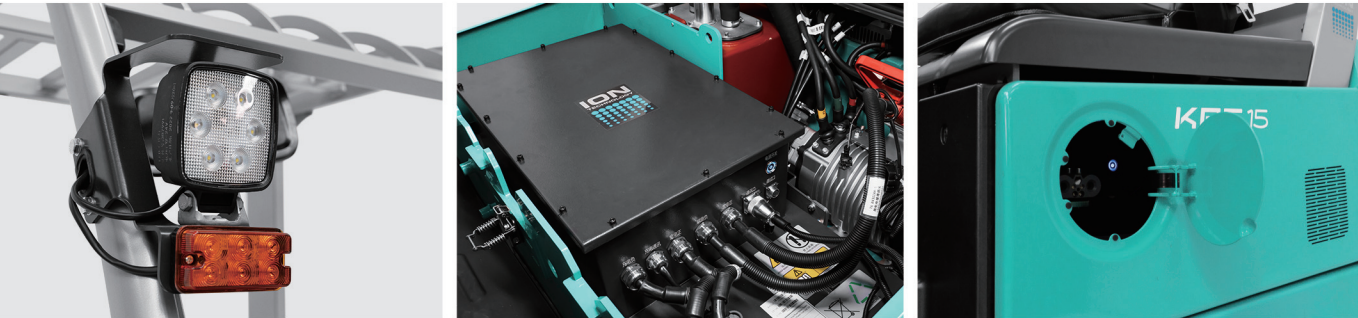
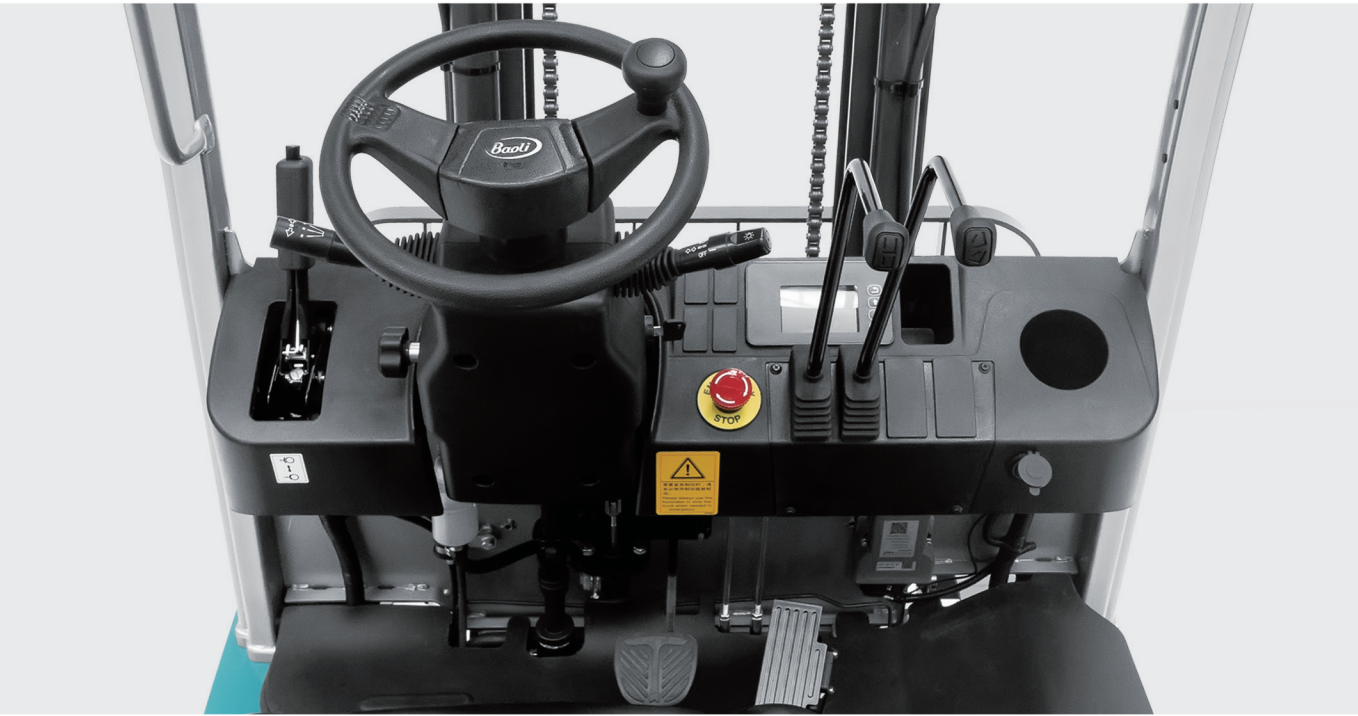
Full load Max. climbing 18%, shortening acceleration time, mast lifting speed fast, lost load height reaching 4250mm

Convenient Maintenance

- Adopt easy maintenance design concept, major parts replacement time is shortened by 15%.
- Apply high-quality oil and filters to reduce replacement frequency and maintenance costs.
- Component structure layout and routing are reasonable
- Li-ion battery: 5 years or 10000 hours

STANDARD OPTION

Li-ion heating system/ Side charging port/ Colorful display/ 80V228Ah Li-ion battery. Optional: Cold store Mast height Max. 6.5 meters.



Mast Specifications

Standard Masts	Lift height (1.5/1.8/2t)	h3(mm)	3000	3500	4000	4500	5000
	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 at max. lift (With LBR) (1.5/1.8/2t)	h4(mm)	4040	4540	5040	5540	6040
	Height of overall at max. lift (Without LBR) (1.5t)	h4(mm)	3511	4011	4511	5011	5511
Duplex Masts	Height of overall at 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	-	-
	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	-	-
Triplex Masts	Height of overall at max. lift (With LBR) (1.5/1.8/2t)	h4(mm)	4040	4540	5040	-	-
	Height of overall at max. lift (Without LBR) (1.5t)	h4(mm)	3511	4011	4511	-	-
	Height of overall at 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
	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 at max. lift (With LBR) (1.5/1.8/2t)	h4(mm)	5140	5590	6040	6540	7040
	Height of overall at max. lift (Without LBR) (1.5t)	h4(mm)	4611	5061	5511	6011	6511
	Height of overall at 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)				
≤500					
5040	1000	900	820	750	
4540	1300	1180	1070	990	
≤4250	1500	1350	1230	1130	
c (mm)	400-500	600	700	800	

KBE18-Li-01 Standard mast residual capacity chart

H (mm)	Q (kg)				
≤500					
5040	1100	990	900	830	
4540	1520	1380	1260	1160	
≤4250	1800	1620	1480	1360	
c (mm)	400-500	600	700	800	

KBES20-Li-01 Standard mast residual capacity chart

H (mm)	Q (kg)				
≤500					
5040	1200	1080	990	910	
4540	1560	1410	1290	1190	
4040	1960	1770	1620	1490	
≤4000	2000	1800	1650	1520	
c (mm)	400-500	600	700	800	

KBE15-Li-01 Triplex mast residual capacity chart

H (mm)	Q (kg)				
≤500					
6040	660	600	540	500	
5540	840	760	690	640	
5040	1010	920	840	770	
4890	1070	970	880	810	
4690	1140	1030	940	870	
4590	1180	1060	970	900	
4290	1280	1160	1060	980	
4140	1340	1210	1110	1020	
≤3700	1500	1350	1240	1140	
c (mm)	400-500	600	700	800	

KBE18-Li-01 Triplex mast residual capacity chart

H (mm)	Q (kg)				
≤500					
6040	960	870	790	730	
5540	1140	1030	940	870	
5040	1310	1190	1090	1000	
4890	1370	1240	1130	1040	
4690	1440	1300	1190	1100	
4590	1480	1340	1220	1120	
4290	1580	1430	1310	1210	
4140	1640	1480	1350	1250	
≤3700	1800	1620	1480	1370	
c (mm)	400-500	600	700	800	

KBES20-Li-01 Triplex mast residual capacity chart

H (mm)	Q (kg)				
≤500					
6040	1070	970	890	820	
5540	1270	1150	1050	970	
5040	1470	1330	1210	1120	
4890	1530	1380	1260	1160	
4690	1600	1450	1330	1220	
4590	1640	1490	1360	1250	
4290	1760	1600	1460	1340	
4140	1820	1650	1510	1390	
≤3700	2000	1810	1650	1520	
c (mm)	400-500	600	700	800	