

**Baoli**

**KBE 25-35**

**KBE 25-35Li**



1.1	Manufacturer		KION BAOLI	KION BAOLI	KION BAOLI
1.2	Manufacturer's type designation		KBE 25Li G1	KBE 25 G1	KBE 35 G1
1.3	Drive: electric, diesel, petrol, fuel gas		Electric	Electric	Electric
1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated	Seated
1.5	Rated capacity / Rated load	Q (t)	2.5	2.5	3.5
1.6	Load centre distance	c (mm)	500	500	500
1.8	Load distance, centre of drive axle to fork	x (mm)	464	464	509
1.9	Wheelbase	y (mm)	1455	1545	1785
2.1	Service weight	Kg	3967	4202	5430
2.2	Axle loading, laden front/rear	Kg	5651/816	5890/812	7899/1031
2.3	Axle loading, unladen front/rear	Kg	1495/2472	1792/2410	2395/3035
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		S/E	S/E	S/E
3.2	Tyre size, front		23X9-10	23X9-10	28x9-15
3.3	Tyre size, rear		18x7-8	18x7-8	6,5-10
3.5	Wheels, number front/rear (x = driven wheels)		2x/2	2x/2	2x/2
3.6	Tread, front	b10 (mm)	1040	1040	1030
3.7	Tread, rear	b11 (mm)	950	950	953
4.1	Tilt of mast/fork carriage forward/backward	$\alpha/\beta$ (°)	6/10	6/10	6/10
4.2	Height, mast lowered	h1 (mm)	2068	2068	2137
4.3	Free lift	h2 (mm)	150	150	150
4.4	Lift	h3 (mm)	3000	3000	3000
4.5	Height, mast extended	h4 (mm)	3995	3995	4045
4.7	Height of overhead guard (cabin)	h6 (mm)	2150	2150	2230
4.8	Seat height/stand height	h7 (mm)	1174	1167	1238
4.12	Coupling height	h10 (mm)	660	660	705
4.19	Overall length	l1 (mm)	3320	3420	3738
4.20	Length to face of forks	l2 (mm)	2320	2420	2738
4.21	Overall width	b1/b2 (mm)	1265	1265	1268
4.22	Fork dimensions ISO 2331	s/e/l (mm)	45x100x1000	45x100x1000	50x150x1000
4.23	Fork carriage ISO 2328, class/type A, B		II A	II A	III A
4.24	Fork carriage width	b3 (mm)	1040	1040	1100
4.31	Ground clearance, laden, below mast	m1 (mm)	102	102	137
4.32	Ground clearance, centre of wheelbase	m2 (mm)	120	120	165
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	3660	3760	4109
4.34.2	Aisle width for pallets 800 x 1200 lengthways	Ast (mm)	3860	3960	4309
4.35	Turning radius	Wa (mm)	1996	2096	2400
4.36	Internal turning radius	b13 (mm)	553	582	672
5.1	Travel speed, laden/unladen	km/h	15/15	15/15	15/15
5.2	Lift speed, laden/unladen	m/s	0,280/0,450	0,280/0,450	0,370/0,440
5.3	Lowering speed, laden/unladen	m/s	0,430/0,470	0,430/0,470	0,370/0,440
5.8	Max gradeability, laden/unladen	%	18/20	18/20	16/20
5.10	Service brake		Mech/Hydr	Mech/Hydr	Mech/Hydr
6.1	Drive motor rating S2 60 min	kW	10.2	10.2	13.6
6.2	Lift motor rating at S3 15%	kW	11.5	11.5	21
6.4	Battery voltage/nominal capacity K5	V/Ah	76,8 / 206/277	80 / 360/450	80 / 500/600
6.5	Battery weight	kg	230	990	1470
6.6	Energy consumption according to VDI cycle	kWh/h	5,0	5.5	6.5
10.1	Operating pressure for attachments	bar	170	170	200
10.7	Sound pressure level at driver's seat	dB (A)	65	65	68

1.1	Manufacturer		KION BAOLI
1.2	Manufacturer's type designation		KBE 35Li G1
1.3	Drive: electric, diesel, petrol, fuel gas		Electric
1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated
1.5	Rated capacity / Rated load	Q (t)	3.5
1.6	Load centre distance	c (mm)	500
1.8	Load distance, centre of drive axle to fork	x (mm)	509
1.9	Wheelbase	y (mm)	1785
2.1	Service weight	Kg	5500
2.2	Axle loading, laden front/rear	Kg	7930/1070
2.3	Axle loading, unladen front/rear	Kg	2430/3068
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		S/E
3.2	Tyre size, front		28x9-15
3.3	Tyre size, rear		6,5-10
3.5	Wheels, number front/rear (x = driven wheels)		2x/2
3.6	Tread, front	b10 (mm)	1030
3.7	Tread, rear	b11 (mm)	953
4.1	Tilt of mast/fork carriage forward/backward	$\alpha/\beta$ (°)	6/10
4.2	Height, mast lowered	h1 (mm)	2137
4.3	Free lift	h2 (mm)	150
4.4	Lift	h3 (mm)	3000
4.5	Height, mast extended	h4 (mm)	4045
4.7	Height of overhead guard (cabin)	h6 (mm)	2230
4.8	Seat height/stand height	h7 (mm)	1238
4.12	Coupling height	h10 (mm)	705
4.19	Overall length	l1 (mm)	3738
4.20	Length to face of forks	l2 (mm)	2738
4.21	Overall width	b1/b2 (mm)	1268
4.22	Fork dimensions ISO 2331	s/e/l (mm)	50x150x1000
4.23	Fork carriage ISO 2328, class/type A, B		III A
4.24	Fork carriage width	b3 (mm)	1100
4.31	Ground clearance, laden, below mast	m1 (mm)	137
4.32	Ground clearance, centre of wheelbase	m2 (mm)	165
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	4109
4.34.2	Aisle width for pallets 800 x 1200 lengthways	Ast (mm)	4309
4.35	Turning radius	Wa (mm)	2400
4.36	Internal turning radius	b13 (mm)	672
5.1	Travel speed, laden/unladen	km/h	15/15
5.2	Lift speed, laden/unladen	m/s	0,370/0,440
5.3	Lowering speed, laden/unladen	m/s	0,370/0,440
5.8	Max gradeability, laden/unladen	%	16/20
5.10	Service brake		Mech/Hydr
6.1	Drive motor rating S2 60 min	kW	13.6
6.2	Lift motor rating at S3 15%	kW	21
6.4	Battery voltage/nominal capacity K5	V/Ah	76,8 / 277/412
6.5	Battery weight	kg	340
6.6	Energy consumption according to VDI cycle	kWh/h	6.5
10.1	Operating pressure for attachments	bar	200
10.7	Sound pressure level at driver's seat	dB (A)	68



**KBE 25Li G1 - KBE 25 G1**

Mast type	H3	Capacity - Load center 500 mm	Capacity - Load center 500 mm - with IntegSideshift	Capacity - Load center 500 mm - with Hang on Sideshift	H1	H4 with load backrest	H4 without load backrest	H2 with load backrest	H2 without load backrest	Tilting angle Front/back
VM Tele	3000	2500	2500	2200	2070	4045	3639	150	150	6/10
	3300	2500	2500	2200	2220	4345	3939	150	150	6/10
	3500	2500	2500	2200	2320	4545	4139	150	150	6/10
	4000	2500	2350	2060	2620	5045	4639	150	150	6/10
	4500	2270	2040	1770	2870	5545	5139	150	150	6/6,5
	5000	1930	1730	1480	3120	6045	5639	150	150	6/6,5
VFM 2 stage	3000	2500	2500	2200	2036	4045	3639	990	1385	6/10
	3300	2500	2500	2200	2186	4345	3939	1140	1535	6/10
	3500	2500	2500	2200	2286	4545	4139	1240	1635	6/10
	4000	2500	2350	2060	2586	5045	4639	1540	1935	6/10
	4500	2270	2040	1770	2836	5545	5139	1790	2185	6/6,5
VFHM triplex	4350	2280	2070	1800	2086	5395	4989	1040	1435	6/10
	4650	2120	1910	1660	2186	5695	5289	1140	1535	6/6,5
	4850	2010	1800	1560	2286	5895	5489	1240	1635	6/6,5
	5000	1930	1720	1480	2336	6045	5639	1290	1685	6/6,5
	5500	1660	1460	1240	2586	6545	6139	1540	1935	6/6,5
	6000	1390	1190	990	2836	7045	6639	1790	2185	6/6,5
	6500	1150	950	750	3036	7545	7139	1990	2385	6/6,5

**KBE 35 G1 - KBE 35Li G1**

Mast type	H3	Capacity - Load center 500 mm	Capacity - Load center 500 mm - with IntegSideshift	Capacity - Load center 500 mm - with Hang on Sideshift	H1	H4 with load backrest	H4 without load backrest	H2 with load backrest	H2 without load backrest	Tilting angle Front/back
VM Tele	3000	3500	3500	3150	2137	4045	3715	150	150	6/10
	3250	3500	3500	3150	2237	4295	3965	150	150	6/10
	3500	3500	3500	3150	2437	4545	4215	150	150	6/10
	4000	3500	3280	2950	2737	5045	4715	150	150	6/6
	4500	3160	2850	2570	2987	5545	5215	150	150	6/6
	5000	2690	2420	2180	3237	6045	5715	150	150	6/6
	5500	2220	1980	1800	3487	6545	6215	150	150	6/6
VFM 2 stage	3000	3500	3500	3150	2102	4045	3752	1053	1353	6/10
	3300	3500	3500	3150	2302	4345	4052	1253	1553	6/10
	3500	3500	3500	3150	2402	4545	4252	1353	1653	6/10
	4000	3500	3280	2950	2702	5045	4752	1653	1953	6/6
	4500	3160	2850	2570	2952	5545	5252	1903	2203	6/6
VFHM triplex	4350	3170	2990	2680	2152	5395	5102	1103	1403	6/6
	4500	3040	2870	2560	2202	5545	5252	1153	1453	6/6
	4650	2920	2740	2440	2202	5695	5402	1153	1453	6/6
	5000	2630	2450	2170	2402	6045	5752	1353	1653	6/6
	5500	2220	2030	1780	2652	6545	6252	1603	1903	6/6
	6000	1810	1610	1390	2902	7045	6752	1853	2153	6/6
	6500	1400	1200	1000	3102	7545	7252	2053	2353	6/6

## KBE 25-35 KBE 25-35Li



The KBE 25-35 series is the perfect truck for all standard applications, bringing together productivity, high quality and cost effectiveness.

Manufactured in the „state-of-the-art“ KION production plant in Jinan, the KBE 25-35 is available with load capacities of 2,5, 3,0 and 3,5 t and is the perfect choice for almost all industries.

The solid workmanship combined with an uncompromising attention to the CE regulation, ensure a solid quality truck for customers whose safety is always a priority.

The newly designed mast, up to 6,5 meters high, ensures operators a very precise handling control and an excellent view of the load and surroundings.

The latest-generation KION controller manages the truck's functions, drawing the power from 80V/360-450Ah (2,5t) and 80V/500-600Ah (3,0-3,5t) batteries.

The KBE 25-35 is also available with lithium-ion batteries (80V/277-412Ah) as option.

Lithium batteries are virtually maintenance-free as don't need to be topped with water and increase the truck availability because short interim charging are allowed.

In addition, while the hydrogen produced by lead-acid batteries during charging can turn into dangerous gases, lithium-ion batteries eliminate this risk.

High quality electric motors and hydraulic components and the easy-to-read display, which provides the driver important information about the truck's status, guarantee additional comfort and reliability.

For smooth servicing procedures, the truck provides easy access to all components. The KBE features a newly developed diagnostics tool, operated via an app on a smartphone.

### Technology

- ✓ Maintenance-free AC technology
- ✓ New generation KION controller
- ✓ Lithium-ion battery available: increased truck availability, no maintenance, no hazardous gases during charging
- ✓ High quality electric motors and hydraulics components
- ✓ 3 selectable driving programs: economy, efficiency, performance
- ✓ New diagnostic tool operated with a mobile phone thanks to the KEYS app
- ✓ Regenerative braking
- ✓ Robust mast options: two stages, two stages free lift, three stages free lift
- ✓ Fork speed reduction when lowering
- ✓ Hang-on or integrated side-shifter: fast loading and unloading
- ✓ High visibility LED lights
- ✓ Foot-activated parking brake

### Ergonomics and driver's workplace

- ✓ Perfect visibility in all directions thanks to optimized mast and overhead guard sections
- ✓ Very comfortable and spacious operator compartment
- ✓ Standard overhead guard retrofittable to half and full cabin
- ✓ Electronic driving direction selector
- ✓ Very spacious footplate
- ✓ Storage compartments and USB ports for charging mobile devices
- ✓ Half and full cabin availability

- ✓ Color screen display with full information on truck status
- ✓ Side hydraulic levers
- ✓ Adjustable seat and steering column

