

Baoli

KBE 18-20Li



Baoli

1.1	Manufacturer		KION BAOLI
1.2	Manufacturer's type designation		KBE 20Li 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)	2,0
1.6	Load centre distance	c (mm)	500
1.8	Load distance, centre of drive axle to fork	x (mm)	425
1.9	Wheelbase	y (mm)	1405
2.1	Service weight	Kg	3431
2.2	Axle loading, laden front/rear	Kg	4795/676
2.3	Axle loading, unladen front/rear	Kg	1414/2017
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		S/E
3.2	Tyre size, front		23X9-10
3.3	Tyre size, rear		5,00-8/3,50
3.5	Wheels, number front/rear (x = driven wheels)		2x/2
3.6	Tread, front	b10 (mm)	975
3.7	Tread, rear	b11 (mm)	900
4.1	Tilt of mast/fork carriage forward/backward	α/β (°)	6/10
4.2	Height, mast lowered	h1 (mm)	2062
4.3	Free lift	h2 (mm)	150
4.4	Lift	h3 (mm)	3000
4.5	Height, mast extended	h4 (mm)	4040
4.7	Height of overhead guard (cabin)	h6 (mm)	2150
4.8	Seat height/stand height	h7 (mm)	1169
4.12	Coupling height	h10 (mm)	639
4.19	Overall length	l1 (mm)	3394
4.20	Length to face of forks	l2 (mm)	2194
4.21	Overall width	b1/b2 (mm)	1210
4.22	Fork dimensions ISO 2331	s/e/l (mm)	40x80x1200
4.23	Fork carriage ISO 2328, class/type A, B		II A
4.24	Fork carriage width	b3 (mm)	1040
4.31	Ground clearance, laden, below mast	m1 (mm)	103
4.32	Ground clearance, centre of wheelbase	m2 (mm)	113
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	3595/3545
4.34.2	Aisle width for pallets 800 x 1200 lengthways	Ast (mm)	3795/3745
4.35	Turning radius	Wa (mm)	1970/1920
4.36	Internal turning radius	b13 (mm)	536
5.1	Travel speed, laden/unladen	km/h	15/15
5.2	Lift speed, laden/unladen	m/s	0,310/0,470
5.3	Lowering speed, laden/unladen	m/s	0,320/0,470
5.8	Max gradeability, laden/unladen	%	18/20
5.10	Service brake		Mech/Hydr
6.1	Drive motor rating S2 60 min	kW	10,2/2x4,6
6.2	Lift motor rating at S3 15%	kW	11.5
6.4	Battery voltage/nominal capacity K5	V/Ah	76,8 / 150/228
6.5	Battery weight	kg	210
6.6	Energy consumption according to VDI cycle	kWh/h	4,7 / 4,5
10.1	Operating pressure for attachments	bar	185
10.7	Sound pressure level at driver's seat	dB (A)	66/68

KBE 20Li G1

Mast type	H3	Capacity - Load center 500 mm	Capacity - Load center 500 mm - with IntegSideshi ft	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	2000	2000	1750	2076	4040	3511	150	150	6/7
	3300	2000	2000	1750	2226	4340	3811	150	150	6/7
	3500	2000	2000	1750	2326	4540	4011	150	150	6/7
	4000	2000	1820	1590	2576	5040	4511	150	150	6/7
	4500	1700	1470	1280	2826	5540	5011	150	150	6/7
	5000	1300	1150	1000	3126	6040	5511	150	150	6/7
VFM 2 stage	3000	2000	2000	1750	2041	4040	3651	990	1254	6/7
	3300	2000	2000	1750	2191	4340	3951	1140	1404	6/7
	3500	2000	2000	1750	2291	4540	4151	1240	1504	6/7
	4000	2000	1820	1590	2541	5040	4651	1490	1754	6/7
VFHM triplex	4250	1860	1660	1430	2041	5290	4901	990	1348	6/7
	4550	1720	1520	1290	2141	5590	5201	1090	1448	6/7
	4700	1650	1440	1230	2191	5740	5351	1140	1498	6/7
	4850	1580	1370	1160	2241	5890	5501	1190	1548	6/7
	5000	1520	1300	1100	2291	6040	5651	1240	1598	6/7
	5500	1290	1060	870	2541	6540	6151	1490	1848	6/7
	6000	1060	820	650	2791	7040	6651	1740	2098	6/7
	6500	850	600	450	3041	7540	7151	1990	2385	6/7

KBE 18-20Li



The KBE 18Li and KBE 20Li, with a load capacity of 1,8 to 2,0 tons and a maximum lifting height of 6,5 meters, are ideal for logistics and industries, especially in indoor spaces, thanks to their zero emissions and low noise levels. These trucks excel in light to medium-duty operations, featuring a compact design for easy handling in narrow spaces.

KBE 18Li and KBE 20Li models feature lithium-ion batteries, offering numerous advantages; they allow short interim charges, ensuring increased truck availability, are virtually maintenance-free, and eliminate the risk of hazardous gases during charging.

AC technology motors ensure maintenance-free operation. Thanks to more powerful motors, the KBE 18-20Li achieves higher travel speeds and easily overcomes steeper ramps.

Additionally, the KBE 18-20Li offers a remarkable improvement in energy consumption compared to previous models, also showcasing a commitment to sustainability.

The trucks are equipped with wet brakes, offering the main advantage of significantly lower maintenance requirements compared to trucks with drum brakes.

The cabin has been designed with a focus on safety and comfort. A metal grid step and a large handle ensure safe entry and exit from the driver's compartment. The operator benefits from two storage compartments, along with two USB ports for charging small electronic devices.

The electronic forward/reverse switch allows for fast and easy changes in driving direction, enhancing maneuverability. The rear handhold with an integrated horn ensures safe reversing, prioritizing a secure working environment.

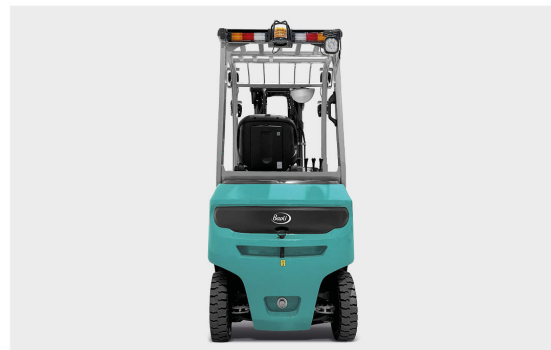
The trucks come standard with a foot-activated parking brake; in comparison to the traditional hand parking brake, the foot-activated design requires less effort to engage and disengage and ensures easier access and exit from the driver's compartment. A color display, providing all the key information at a glance, allows for easy and quick control over the truck's status.

Technology

- ✓ Compact dimensions for maneuvering in narrow spaces.
- ✓ Lithium-ion battery for increased truck availability.
- ✓ Maintenance-free battery.
- ✓ No hazardous gases emitted during charging.
- ✓ AC technology motors for maintenance-free operation.
- ✓ Powerful motors for enhanced performance.
- ✓ Lower energy consumption.
- ✓ Wet brakes ensuring low maintenance costs.

Ergonomics and driver's workplace

- ✓ Metal grid step and large handle for safe entry and exit from the driver's compartment.
- ✓ Electronic forward/reverse switch for fast and easy changes in driving direction.
- ✓ Rear handhold with horn for safe reversing.
- ✓ Foot-activated parking brake: less effort for engagement/disengagement, easier access to the driver's compartment.
- ✓ Color display for quick access to key truck information, ensuring easy control.

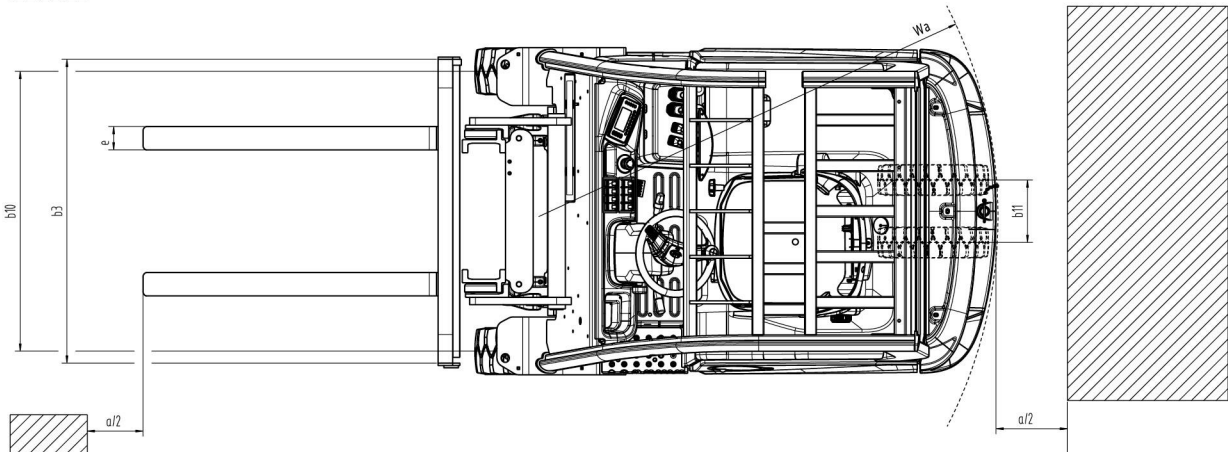
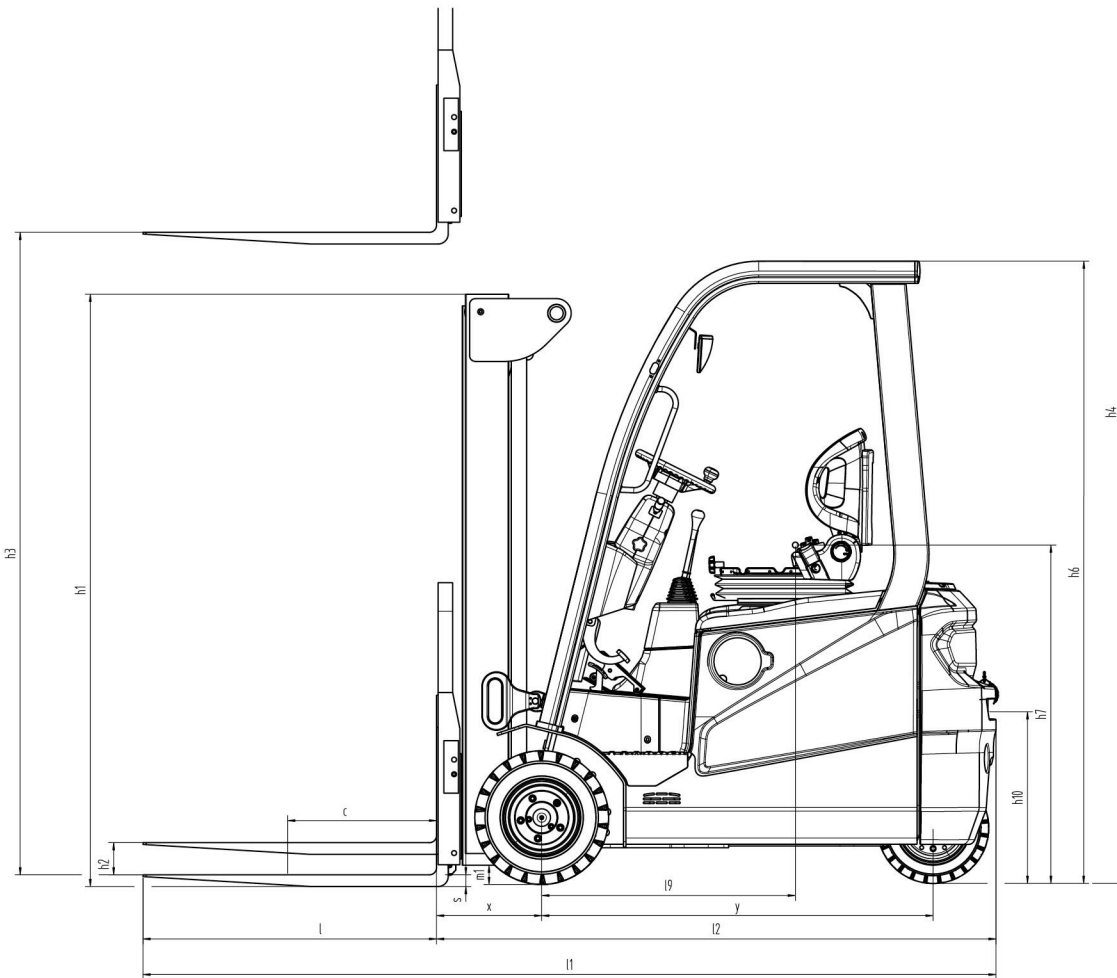


Baoli

KBET 15-20Li



1.1	Manufacturer		KION BAOLI
1.2	Manufacturer's type designation		KBET 15Li 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)	1.5
1.6	Load centre distance	c (mm)	500
1.8	Load distance, centre of drive axle to fork	x (mm)	360
1.9	Wheelbase	y (mm)	1340
2.1	Service weight	Kg	2980
2.2	Axle loading, laden front/rear	Kg	3945/535
2.3	Axle loading, unladen front/rear	Kg	1465/1515
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Solid rubber
3.2	Tyre size, front		18×7-8 SE
3.3	Tyre size, rear		15×4 1/2-8 SE
3.5	Wheels, number front/rear (x = driven wheels)		2× /2
3.6	Tread, front	b10 (mm)	948
3.7	Tread, rear	b11 (mm)	216
4.1	Tilt of mast/fork carriage forward/backward	α/β (°)	6/7
4.2	Height, mast lowered	h1 (mm)	2050
4.3	Free lift	h2 (mm)	150
4.4	Lift	h3 (mm)	3000
4.5	Height, mast extended	h4 (mm)	4040
4.7	Height of overhead guard (cabin)	h6 (mm)	2130
4.8	Seat height/stand height	h7 (mm)	1154
4.12	Coupling height	h10 (mm)	588
4.19	Overall length	l1 (mm)	3128
4.20	Length to face of forks	l2 (mm)	1928
4.21	Overall width	b1/b2 (mm)	1120
4.22	Fork dimensions ISO 2331	s/e/l (mm)	40×100×1200
4.23	Fork carriage ISO 2328, class/type A, B		2A
4.24	Fork carriage width	b3 (mm)	1040
4.31	Ground clearance, laden, below mast	m1 (mm)	96
4.32	Ground clearance, centre of wheelbase	m2 (mm)	100
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	3251
4.34.2	Aisle width for pallets 800 x 1200 lengthways	Ast (mm)	3375
4.35	Turning radius	Wa (mm)	1565
4.36	Internal turning radius	b13 (mm)	-
5.1	Travel speed, laden/unladen	km/h	16/16
5.2	Lift speed, laden/unladen	m/s	0,44/0,53
5.3	Lowering speed, laden/unladen	m/s	0,45/0,46
5.8	Max gradeability, laden/unladen	%	18/20
5.10	Service brake		Mech/Hydr
6.1	Drive motor rating S2 60 min	kW	4,6×2
6.2	Lift motor rating at S3 15%	kW	11.5
6.4	Battery voltage/nominal capacity K5	V/Ah	76,8 / 150/228
6.5	Battery weight	kg	210
6.6	Energy consumption according to VDI cycle	kWh/h	4.3
10.1	Operating pressure for attachments	bar	150
10.7	Sound pressure level at driver's seat	dB (A)	68



KBET 15Li 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	H2	Tilting angle Front/back
VM Tele	3000	1500	1500	1300	2050	4040	150	6/7
	3300	1500	1500	1300	2200	4340	150	6/7
	3500	1500	1500	1300	2300	4540	150	6/7
	4000	1500	1480	1240	2550	5040	150	6/7
	4500	1500	1250	1080	2800	5540	150	6/7
	5000	1200	1050	900	3100	6040	150	6/7
VFM 2 stage	3000	1500	1500	1300	2015	4040	990	6/7
	3300	1500	1500	1300	2165	4340	1140	6/7
	3500	1500	1500	1300	2265	4540	1240	6/7
	4000	1500	1480	1240	2515	5040	1490	6/7
VFHM triplex	4250	1400	1260	1070	2015	5290	990	6/7
	4550	1300	1150	970	2115	5590	1090	6/7
	4700	1260	1100	920	2165	5740	1140	6/7
	4850	1210	1050	870	2215	5890	1190	6/7
	5000	1160	1000	820	2265	6040	1240	6/7
	5500	1000	820	660	2515	6540	1490	6/7
	6000	840	650	490	2765	7040	1740	6/7
	6500	700	500	350	3015	7540	1990	6/7

KBET 15-20Li



The KBET 15Li, KBET 18Li, and KBET 20Li, with a load capacity ranging from 1,5 to 2,0 tons and a maximum lifting height of 6,5 meters, are the latest Baoli three-wheeled trucks. The KBET series excels in easy handling in narrow spaces thanks to its compact design and twin front electric motors; the turning radius is only 1,6 meters. KBET is powered by lithium-ion battery (80 Volt / 228 Ah), which offer numerous advantages. The lithium-ion batteries allow for quick interim charges, ensuring increased truck availability; additionally, they are virtually maintenance-free and eliminate the risk of hazardous gases during charging. The two traction electric motors and the lifting motor are equipped with alternating current (AC) technology and therefore do not require maintenance. Compared to previous 3-wheel models, the KBET 15-20Li achieves higher travel speeds; additionally, it offers a remarkable improvement in energy consumption, showcasing a commitment to sustainability.

Technology

- ✓ Compact size enables maneuverability in tight spaces (1,6 meter turning radius).
- ✓ Lithium-ion battery for increased truck availability.
- ✓ Maintenance-free battery.
- ✓ No hazardous gases emitted during charging.
- ✓ AC technology motors for maintenance-free operation.
- ✓ Enhanced performance.
- ✓ Low energy consumption.
- ✓ Wet brakes ensuring low maintenance costs.

Ergonomics and driver's workplace

- ✓ Metal grid step and large handle for safe entry and exit from the driver's compartment.
- ✓ Electronic forward/reverse switch for fast and easy changes in driving direction.
- ✓ Rear handhold with horn for safe reversing.
- ✓ Foot-activated parking brake: less effort for engagement/disengagement, easier access to the driver's compartment.
- ✓ Color screen display for quick access to key truck information, ensuring easy control.
- ✓ Availability of half and full cabin options.

The KBET series is equipped with wet brakes, offering the main advantage of significantly lower maintenance requirements compared to trucks with drum brakes. The cabin has been designed with a focus on safety and comfort. A metal grid step and a large handle ensure safe entry and exit from the driver's compartment. The operator benefits from two storage compartments, along with two USB ports for charging small electronic devices. The electronic forward / reverse switch allows for fast and easy changes in driving direction, enhancing maneuverability. The rear handhold with an integrated horn ensures safe reversing, prioritizing a secure working environment. The trucks come standard with a foot-activated parking brake; in comparison to the traditional hand parking brake, the foot-activated solution requires less effort to engage and disengage and ensures easier access and exit from the driver's compartment. A color screen display, providing all the key information at a glance, allows for easy and quick control over the truck's status.

