

Baoli

KBE 18-20Li



Baoli

| | | | |
|--------|---|--------------------|-------------|
| 1.1 | Manufacturer | | KION BAOLI |
| 1.2 | Manufacturer's type designation | | KBE 18Li 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) | 1.8 |
| 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 | 3293 |
| 2.2 | Axle loading, laden front/rear | Kg | 4429/653 |
| 2.3 | Axle loading, unladen front/rear | Kg | 1447/1846 |
| 3.1 | Tyres: solid rubber, superelastic, pneumatic, polyurethane | | S/E |
| 3.2 | Tyre size, front | | 6,50-10 |
| 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) | 930 |
| 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) | 1166 |
| 4.12 | Coupling height | h10 (mm) | 639 |
| 4.19 | Overall length | l1 (mm) | 3354 |
| 4.20 | Length to face of forks | l2 (mm) | 2154 |
| 4.21 | Overall width | b1/b2 (mm) | 1120 |
| 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) | 100 |
| 4.32 | Ground clearance, centre of wheelbase | m2 (mm) | 110 |
| 4.34.1 | Aisle width for pallets 1000 x 1200 crossways | Ast (mm) | 3495 |
| 4.34.2 | Aisle width for pallets 800 x 1200 lengthways | Ast (mm) | 3695 |
| 4.35 | Turning radius | Wa (mm) | 1870 |
| 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 | 0,350/0,470 |
| 5.3 | Lowering speed, laden/unladen | m/s | 0,440/0,470 |
| 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 |
| 6.2 | Lift motor rating at S3 15% | kW | 11.5 |
| 6.4 | Battery voltage/nominal capacity K5 | V/Ah | 80 / 228 |
| 6.5 | Battery weight | kg | 210 |
| 6.6 | Energy consumption according to VDI cycle | kWh/h | 4.6 |
| 10.1 | Operating pressure for attachments | bar | 170 |
| 10.7 | Sound pressure level at driver's seat | dB (A) | 66 |

KBE 18Li 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 | 1800 | 1800 | 1600 | 2068 | 4040 | 150 | 6/7 |
| | 3300 | 1800 | 1800 | 1600 | 2218 | 4340 | 150 | 6/7 |
| | 3500 | 1800 | 1800 | 1600 | 2318 | 4540 | 150 | 6/7 |
| | 4000 | 1800 | 1760 | 1570 | 2568 | 5040 | 150 | 6/7 |
| | 4500 | 1800 | 1390 | 1220 | 2818 | 5540 | 150 | 6/7 |
| | 5000 | 1200 | 1050 | 900 | 3118 | 6040 | 150 | 6/7 |
| VFM 2 stage | 3000 | 1800 | 1800 | 1600 | 2041 | 4040 | 990 | 6/7 |
| | 3300 | 1800 | 1800 | 1600 | 2191 | 4040 | 990 | 6/7 |
| | 3500 | 1800 | 1800 | 1600 | 2291 | 4540 | 1240 | 6/7 |
| | 4000 | 1800 | 1760 | 1570 | 2541 | 5040 | 1490 | 6/7 |
| VFHM triplex | 4250 | 1680 | 1360 | 1160 | 2041 | 5040 | 1490 | 6/7 |
| | 4550 | 1560 | 1180 | 980 | 2141 | 5590 | 1090 | 6/7 |
| | 4700 | 1500 | 1120 | 930 | 2191 | 5740 | 1140 | 6/7 |
| | 4850 | 1440 | 1060 | 880 | 2241 | 5890 | 1190 | 6/7 |
| | 5000 | 1380 | 1010 | 820 | 2291 | 6040 | 1240 | 6/7 |
| | 5500 | 1180 | 810 | 640 | 2541 | 6540 | 1490 | 6/7 |
| | 6000 | 980 | 620 | 500 | 2791 | 7040 | 1740 | 6/7 |
| | 6500 | 800 | 450 | 300 | 3033 | 7540 | 1990 | 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.

