

**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 30Li G1    | KBE 35Li 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            | 3,0            | 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            | 504            | 509            |
| 1.9    | Wheelbase                                                       | y (mm)             | 1455           | 1785           | 1785           |
| 2.1    | Service weight                                                  | Kg                 | 3967           | 5050           | 5500           |
| 2.2    | Axle loading, laden front/rear                                  | Kg                 | 5651/816       | 7121/929       | 7930/1070      |
| 2.3    | Axle loading, unladen front/rear                                | Kg                 | 1495/2472      | 2452/2598      | 2430/3068      |
| 3.1    | Tyres: solid rubber, superelastic, pneumatic, polyurethane      |                    | S/E            | S/E            | S/E            |
| 3.2    | Tyre size, front                                                |                    | 23X9-10        | 28x9-15        | 28x9-15        |
| 3.3    | Tyre size, rear                                                 |                    | 18x7-8         | 6,5-10         | 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           | 1030           | 1030           |
| 3.7    | Tread, rear                                                     | b11 (mm)           | 950            | 953            | 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           | 2137           | 2137           |
| 4.3    | Free lift                                                       | h2 (mm)            | 150            | 150            | 150            |
| 4.4    | Lift                                                            | h3 (mm)            | 3000           | 3000           | 3000           |
| 4.5    | Heigh, mast extended                                            | h4 (mm)            | 3995           | 4045           | 4045           |
| 4.7    | Height of overhead guard (cabin)                                | h6 (mm)            | 2150           | 2230           | 2230           |
| 4.8    | Seat height/stand height                                        | h7 (mm)            | 1174           | 1238           | 1238           |
| 4.12   | Coupling height                                                 | h10 (mm)           | 660            | 705            | 705            |
| 4.19   | Overall length                                                  | l1 (mm)            | 3320           | 3667           | 3738           |
| 4.20   | Length to face of forks                                         | l2 (mm)            | 2320           | 2667           | 2738           |
| 4.21   | Overall width                                                   | b1/b2 (mm)         | 1265           | 1268           | 1268           |
| 4.22   | Fork dimensions ISO 2331                                        | s/e/l (mm)         | 45x100x1000    | 45x122x1000    | 50x150x1000    |
| 4.23   | Fork carriage ISO 2328, class/type A, B                         |                    | II A           | III A          | III A          |
| 4.24   | Fork carriage width                                             | b3 (mm)            | 1040           | 1100           | 1100           |
| 4.31   | Ground clearance, laden, below mast                             | m1 (mm)            | 102            | 141            | 137            |
| 4.32   | Ground clearance, centre of wheelbase                           | m2 (mm)            | 120            | 168            | 165            |
| 4.34.1 | Aisle width for pallets 1000 x 1200 crossways                   | Ast (mm)           | 3660           | 4039           | 4109           |
| 4.34.2 | Aisle width for pallets 800 x 1200 lenghtways                   | Ast (mm)           | 3860           | 4239           | 4309           |
| 4.35   | Turning radius                                                  | Wa (mm)            | 1996           | 2330           | 2400           |
| 4.36   | Internal turning radius                                         | b13 (mm)           | 553            | 672            | 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    | 0,400/0,440    | 0,370/0,440    |
| 5.3    | Lowering speed, laden/unladen                                   | m/s                | 0,430/0,470    | 0,400/0,440    | 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           | 13.6           | 13.6           |
| 6.2    | Lift motor rating at S3 15%                                     | kW                 | 11.5           | 21             | 21             |
| 6.4    | Battery voltage/nominal capacity K5                             | V/Ah               | 76,8 / 206/277 | 76,8 / 277/412 | 76,8 / 277/412 |
| 6.5    | Battery weight                                                  | kg                 | 230            | 340            | 340            |
| 6.6    | Energy consumption according to VDI cycle                       | kWh/h              | 5,0            | 6,0            | 6.5            |
| 10.1   | Operating pressure for attachments                              | bar                | 170            | 185            | 200            |
| 10.2   | Oil volume for attachments                                      | l/min              | 24             | 30             | 30             |
| 10.7   | Sound pressure level at driver's seat                           | dB (A)             | 65             | 68             | 68             |



| KBE 25Li G1  |      |                                     |                                                                     |                                                                    |      |                             |                                |                             |                                |                                |
|--------------|------|-------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------|------|-----------------------------|--------------------------------|-----------------------------|--------------------------------|--------------------------------|
| Mast type    | H3   | Capacity -<br>Load center<br>500 mm | Capacity -<br>Load center<br>500 mm -<br>with<br>IntegSideshi<br>ft | Capacity -<br>Load center<br>500 mm -<br>with Hang<br>on Sideshift | H1   | H4 with<br>load<br>backrest | H4 without<br>load<br>backrest | H2 with<br>load<br>backrest | H2 without<br>load<br>backrest | Tilting<br>angle<br>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 30Li G1  |      |                                     |                                                                     |                                                                    |      |                             |                                |                             |                                |                                |
|--------------|------|-------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------|------|-----------------------------|--------------------------------|-----------------------------|--------------------------------|--------------------------------|
| Mast type    | H3   | Capacity -<br>Load center<br>500 mm | Capacity -<br>Load center<br>500 mm -<br>with<br>IntegSideshi<br>ft | Capacity -<br>Load center<br>500 mm -<br>with Hang<br>on Sideshift | H1   | H4 with<br>load<br>backrest | H4 without<br>load<br>backrest | H2 with<br>load<br>backrest | H2 without<br>load<br>backrest | Tilting<br>angle<br>Front/back |
| VM Tele      | 3000 | 3000                                | 3000                                                                | 2700                                                               | 2137 | 4045                        | 3715                           | 150                         | 150                            | 6/10                           |
|              | 3250 | 3000                                | 3000                                                                | 2700                                                               | 2237 | 4295                        | 3965                           | 150                         | 150                            | 6/10                           |
|              | 3500 | 3000                                | 3000                                                                | 2700                                                               | 2437 | 4545                        | 4215                           | 150                         | 150                            | 6/10                           |
|              | 4000 | 3000                                | 2830                                                                | 2540                                                               | 2737 | 5045                        | 4715                           | 150                         | 150                            | 6/6                            |
|              | 4500 | 2750                                | 2490                                                                | 2230                                                               | 2987 | 5545                        | 5215                           | 150                         | 150                            | 6/6                            |
|              | 5000 | 2380                                | 2150                                                                | 1910                                                               | 3237 | 6045                        | 5715                           | 150                         | 150                            | 6/6                            |
|              | 5500 | 2020                                | 1810                                                                | 1600                                                               | 3487 | 6545                        | 6215                           | 150                         | 150                            | 6/6                            |
| VFM 2 stage  | 3000 | 3000                                | 3000                                                                | 2700                                                               | 2102 | 4045                        | 3752                           | 1053                        | 1353                           | 6/10                           |
|              | 3300 | 3000                                | 3000                                                                | 2700                                                               | 2302 | 4345                        | 4052                           | 1253                        | 1553                           | 6/10                           |
|              | 3500 | 3000                                | 3000                                                                | 2700                                                               | 2402 | 4545                        | 4252                           | 1353                        | 1653                           | 6/10                           |
|              | 4000 | 3000                                | 2830                                                                | 2540                                                               | 2702 | 5045                        | 4752                           | 1653                        | 1953                           | 6/6                            |
|              | 4500 | 2750                                | 2490                                                                | 2230                                                               | 2952 | 5545                        | 5252                           | 1903                        | 2203                           | 6/6                            |
| VFHM triplex | 4350 | 2730                                | 2580                                                                | 2310                                                               | 2152 | 5395                        | 5102                           | 1103                        | 1403                           | 6/6                            |
|              | 4500 | 2630                                | 2480                                                                | 2210                                                               | 2202 | 5545                        | 5252                           | 1153                        | 1453                           | 6/6                            |
|              | 4650 | 2530                                | 2380                                                                | 2110                                                               | 2202 | 5695                        | 5402                           | 1153                        | 1453                           | 6/6                            |
|              | 5000 | 2300                                | 2130                                                                | 1880                                                               | 2402 | 6045                        | 5752                           | 1353                        | 1653                           | 6/6                            |
|              | 5500 | 1960                                | 1790                                                                | 1550                                                               | 2652 | 6545                        | 6252                           | 1603                        | 1903                           | 6/6                            |
|              | 6000 | 1630                                | 1440                                                                | 1220                                                               | 2902 | 7045                        | 6752                           | 1853                        | 2153                           | 6/6                            |
|              | 6500 | 1300                                | 1100                                                                | 900                                                                | 3102 | 7545                        | 7252                           | 2053                        | 2353                           | 6/6                            |

| KBE 35Li G1  |      |                                     |                                                                     |                                                                    |      |                             |                                |                             |                                |                                |
|--------------|------|-------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------|------|-----------------------------|--------------------------------|-----------------------------|--------------------------------|--------------------------------|
| Mast type    | H3   | Capacity -<br>Load center<br>500 mm | Capacity -<br>Load center<br>500 mm -<br>with<br>IntegSideshi<br>ft | Capacity -<br>Load center<br>500 mm -<br>with Hang<br>on Sideshift | H1   | H4 with<br>load<br>backrest | H4 without<br>load<br>backrest | H2 with<br>load<br>backrest | H2 without<br>load<br>backrest | Tilting<br>angle<br>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

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



### 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

