

»» TWO WORLDS, ONE IDEA

When Germany's KION Group acquired Baoli in 2009, the company recognised that Baoli's strength in manufacturing price-competitive forklift trucks and warehouse equipment was a perfect complement to the product offering of its Linde Material Handling brand.

Today, Baoli operates in over 80 markets around the world and employs over 700 staff at its Jingjiang city plant, where industry-leading components, technologies and production lines – re-modelled by KION and made in Germany – underpin its operational excellence.

In Australia, Baoli's value range is backed by the nationwide service and support network of Linde Material Handling. With 155 qualified mobile technicians, all trained and graded on

Baoli products, and fully equipped workshops and spare part stores in each capital,

Baoli customers enjoy unrivalled service and support.

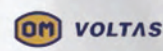
KION
GROUP



STILL



DEMATIC

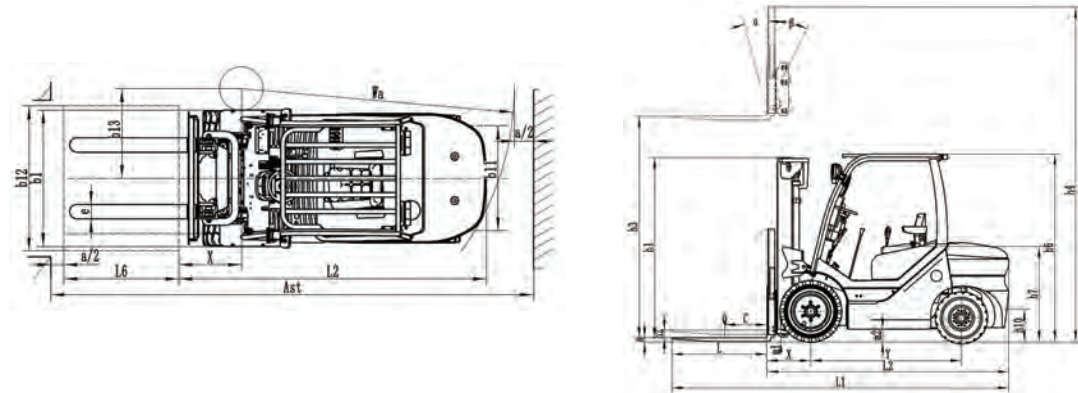


KBG(D) 18/20/25/30/35 Internal Combustion Forklift



>> Specifications

| | | Design Values | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|--|--|--------|--------------|--------|-------------|--------|-------------|--------|----------------|--------|-------------|--------|-------------|--------|-----------|--------|-----------|--------|-----------|--------|-------------|--|
| | | Item Description | Unit | | KBG(D)18 | | KBG(D)20 | | KBG(D)25 | | KBG(D)30 | | KBG(D)35 | | | | | | | | | | | |
| Characteristics | 1.1 | Manufacturer | Baoli | | | | | | | | | | | | | | | | | | | | | |
| | 1.2 | Model | KBG18 | KBD18 | KBG20 | KBD20 | KBG25 | KBD25 | KBG30 | KBD30 | KBG35 | KBD35 | | | | | | | | | | | | |
| | 1.3 | Power Unit | Petrol/LPG | Diesel | Petrol/LPG | Diesel | Petrol/LPG | Diesel | Petrol/LPG | Diesel | Petrol/LPG | Diesel | | | | | | | | | | | | |
| | 1.4 | Operation | Seated | | Seated | | Seated | | Seated | | Seated | | | | | | | | | | | | | |
| | 1.5 | Load capacity / Load | Q (kg) | | 1800 | | 2000 | | 2500 | | 3000 | | 3500 | | | | | | | | | | | |
| | 1.6 | Load centre distance | c (mm) | | 500 | | 500 | | 500 | | 500 | | 500 | | | | | | | | | | | |
| | 1.8 | Axle centre to fork face | x (mm) | | 435 | | 435 | | 484 | | 484 | | 484 | | | | | | | | | | | |
| | 1.9 | Wheelbase | y (mm) | | 1500 | | 1500 | | 1700 | | 1700 | | 1700 | | | | | | | | | | | |
| | Weights | 2.1 | Service weight | (kg) | | 3100 | | 3210 | | 3160 | | 3950 | | 4220 | | 4400 | | 3160 | | 4880 | | | | |
| 2.2 | | Axle load with load, front / rear | (kg) | | 4200/680 | | 4330/680 | | 4440/660 | | 4540/700 | | 6280/480 | | 6340/610 | | 6340/840 | | 6610/580 | | 7180/1000 | | 73000/11000 | |
| 2.3 | | Axle load without load, front / rear | (kg) | | 1280/1820 | | 1340/1870 | | 1320/1960 | | 1280/1820 | | 1880/2200 | | 1880/2250 | | 1680/2540 | | 1820/2640 | | 1550/3130 | | 1640/3240 | |
| Wheels/tyres | 3.1 | Tyres rubber, SE, pneumatic, polyurethane | S/E | | | | | | | | | | | | | | | | | | | | | |
| | 3.2 | Tyre size, front | 6.50-10 | | | | | | | | | | | | | | | | | | | | | |
| | 3.3 | Tyre size, rear | 5.00-8 | | | | | | | | | | | | | | | | | | | | | |
| | 3.6 | Tread width, front | b10 (mm) | | 940 | | 940 | | 1000 | | 1000 | | 1000 | | 1000 | | | | | | | | | |
| 3.7 | Tread width, rear | b11 (mm) | | 920 | | 920 | | 970 | | 970 | | 970 | | 970 | | | | | | | | | | |
| Dimensions | 4.1 | Mast / fork carriage tilt, forward / backward | a/b (°) | | 6/12 | | 6/12 | | 6/12 | | 6/12 | | 6/12 | | 6/12 | | | | | | | | | |
| | 4.2 | Height of mast, lowered | h1 (mm) | | 2002 | | 2002 | | 2080 | | 2080 | | 2230 | | 2230 | | | | | | | | | |
| | 4.3 | Free lift | h2 (mm) | | 128 | | 128 | | 140 | | 145 | | 145 | | 145 | | | | | | | | | |
| | 4.4 | Lift | h3 (mm) | | 3000 | | 3000 | | 3000 | | 3000 | | 3000 | | 3000 | | | | | | | | | |
| | 4.5 | Height of mast, extended | h4 (mm) | | 3945 | | 4030 | | 4050 | | 4273 | | 4273 | | 4273 | | | | | | | | | |
| | 4.7 | Height of overhead guard (cabin) | h6 (mm) | | 2065 | | 2065 | | 2108 | | 2108 | | 2108 | | 2108 | | | | | | | | | |
| | 4.8 | Height of seat / stand on platform | h7 (mm) | | 1010 | | 1010 | | 1085 | | 1070 | | 1085 | | 1085 | | | | | | | | | |
| | 4.12 | Towing coupling height | h10 (mm) | | 220 | | 220 | | 300 | | 300 | | 300 | | 300 | | | | | | | | | |
| | 4.19 | Overall length | l1 (mm) | | 3316 | | 3490 | | 3730 | | 3780 | | 3880 | | 3880 | | | | | | | | | |
| | 4.20 | Length to fork face | l2 (mm) | | 2396 | | 2396 | | 2660 | | 2710 | | 2810 | | 2810 | | | | | | | | | |
| | 4.21 | Overall width | b1/b2 (mm) | | 1140 | | 1140 | | 1225 | | 1225 | | 1296 | | 1296 | | | | | | | | | |
| | 4.22 | Fork dimensions DIN ISO 2331 | s / e / l (mm) | | 35/120/920 | | 40/122/1070 | | 40/122/1070 | | 45/125/1070 | | 50/125/1070 | | 50/125/1070 | | | | | | | | | |
| | 4.23 | Fork carriage to ISO 2328, class / type A, B | | | ISO II/A | | ISO II/A | | ISO II/A | | ISO III/A | | ISO III/A | | ISO III/A | | | | | | | | | |
| | 4.24 | Width of fork carriage | b3 (mm) | | 1040 | | 1040 | | 1040 | | 1100 | | 1100 | | 1100 | | | | | | | | | |
| | 4.31 | Ground clearance, below mast | m1 (mm) | | 110 | | 110 | | 135 | | 135 | | 135 | | 135 | | | | | | | | | |
| | 4.32 | Ground clearance, centre of wheelbase | m2 (mm) | | 115 | | 115 | | 105 | | 140 | | 140 | | 140 | | | | | | | | | |
| 4.34.1 | Aisle width for pallets 1000 x 1200 crossways | Ast (mm) | | 3815 | | 3835 | | 4124 | | 4144 | | 4224 | | 4224 | | | | | | | | | | |
| 4.34.2 | Aisle width with pallet 800 x 1200 along forks | Ast (mm) | | 4015 | | 4035 | | 4324 | | 4344 | | 4424 | | 4424 | | | | | | | | | | |
| 4.35 | Turning radius | Wa (mm) | | 2180 | | 2200 | | 2440 | | 2460 | | 2540 | | 2540 | | | | | | | | | | |
| 4.36 | Turning Point Minimum Distance from the Truck Center Line | b13 (mm) | | 602 | | 602 | | 810 | | 810 | | 810 | | 810 | | | | | | | | | | |
| Performance | 5.1 | Travel speed, with / without load | (km/h) | | 15.7/16.5 | | 15/16 | | 15.7/16.5 | | 15/15 | | 17/18.2 | | 18.6/19 | | 18.6/19 | | 16.5/17 | | 18/19 | | 16/17 | |
| | 5.2 | Lifting speed, with / without load | (m/s) | | 457.3/744.42 | | 445/653 | | 655/694.1 | | 389/645 | | 316/454 | | 436.1/502.5 | | 370/458 | | 522/597 | | 338/478 | | 561/588 | |
| | 5.3 | Lowering speed, with / without load | (m/s) | | 403.2/405.04 | | 405/416 | | 519.9/531.9 | | 467/454 | | 469/424 | | 449.8/475.4 | | 479/393 | | 466/383 | | 491/398 | | 459/380 | |
| | 5.5 | Tractive force (at 2km/h) with / without load | (KN) | | 19.5/9 | | 11.5/10.7 | | 20/14 | | 11.5/10.7 | | 17/13 | | 15/10 | | 15/10 | | 15/10 | | 16/10 | | 16/10 | |
| | 5.7 | Max. Gradeability with / without load (at 2km/h) | (%) | | 20 | | 20 | | 20 | | 20 | | 20 | | 20 | | 20 | | 20 | | 20 | | 20 | |
| | 5.10 | Service brake | Mechanical/hydraulic | | | | | | | | | | | | | | | | | | | | | |
| Drive | 7.1 | Engine Manufacturer/Engine Type | GCT K21WEICHAI WP3.2 GCT K21 WEICHAI WP3.2 GCT K25 WEICHAI WP3.2 GCT K25 WEICHAI WP3.2 GCT K25 WEICHAI WP3.2 | | | | | | | | | | | | | | | | | | | | | |
| | 7.1 | Engine (Optional) | ISUZU C240 | | ISUZU C240 | | ISUZU C240 | | ISUZU C240 | | Mitsubishi S4S | | | | | | | | | | | | | |
| | 7.2 | Engine Power in compliance with ISO 1585 | (kW) | | 32.3 | | 36.8 | | 32.3 | | 36.8 | | 37.4 | | 36.8 | | 37.4 | | 36.8 | | 37.4 | | 36.8 | |
| | 7.3 | Rated Number of Revolutions | (r/min) | | 2400 | | 2500 | | 2400 | | 2500 | | 2400 | | 2500 | | 2400 | | 2500 | | 2400 | | 2500 | |
| 7.4 | Cylinder Number/Displacement | (cm) | | 4/2095 | | 4/3170 | | 4/2095 | | 4/3170 | | 4/2488 | | 4/3170 | | 4/2488 | | 4/3170 | | 4/2488 | | 4/3170 | | |
| Others | 7.9 | On-board voltage | (V) | | 12 | | 12 | | 12 | | 12 | | 12 | | 12 | | 12 | | 12 | | 12 | | 12 | |
| | 8.1 | Drive control | Electronic Hydraulic | | | | | | | | | | | | | | | | | | | | | |
| | 10.4 | Volume fuel tank | (l/Kg) | | 45/15 | | 45 | | 45/15 | | 45 | | 45/18 | | 52 | | 45/18 | | 52 | | 45/18 | | 52 | |
| | 10.7 | Sound pressure level LpAZ (at the driver's seat) | (dB (A)) | | 105 | | 107 | | 106 | | 107 | | 107 | | 107 | | 107 | | 109 | | 107 | | 09 | |
| 10.8 | Drawbar, model/Type DIN | Pin | | | | | | | | | | | | | | | | | | | | | | |



>> Mast Specifications

| KBG(D)18/20 | | | | | | | | | |
|------------------------|-------------|----------------------------------|------|---------------|---------------|------------------|---------------|------------|--|
| Mast type | Max. height | Rated capacity load center 500mm | | Height | | Free-lift height | | Mast angle | |
| | | 1.8T | 2.0T | closed height | with carriage | without carriage | with carriage | front/back | |
| | mm | (kg) | (kg) | mm | mm | mm | mm | | |
| VM Standard wide-view | 4000 | 1800 | 2000 | 2552 | 5041 | 128 | 128 | 6/6 | |
| | 4500 | 1600 | 1750 | 2802 | 5541 | 128 | 128 | 6/6 | |
| | 5000 | 1450 | 1500 | 3052 | 6041 | 128 | 128 | 3/6 | |
| VFHM Full free triplex | 4350 | 1550 | 1700 | 2102 | 5391 | 1489 | 1101 | 6/6 | |
| | 4500 | 1400 | 1600 | 2152 | 5541 | 1539 | 1151 | 6/6 | |
| | 5000 | 1050 | 1250 | 2395 | 6041 | 1782 | 1394 | 6/6 | |
| | 5500 | 980 | 1120 | 2629 | 6541 | 2016 | 1628 | 3/6 | |
| 6000 | 890 | 1000 | 2862 | 7041 | 2249 | 1861 | 3/6 | | |

| KBG(D)25 | | | | | | | | | |
|------------------------|-------------|----------------------------------|--------------|---------------|---------------|------------------|---------------|------------|--|
| Mast type | Max. height | Rated capacity load center 500mm | | Height | | Free-lift height | | Mast angle | |
| | | 2.5T | double tyres | closed height | with carriage | without carriage | with carriage | front/back | |
| | mm | (kg) | (kg) | mm | mm | mm | mm | | |
| VM Standard wide-view | 4000 | 2300 | 2500 | 2630 | 5040 | 140 | 140 | 6/6 | |
| | 4500 | 1800 | 2300 | 2880 | 5540 | 140 | 140 | 6/6 | |
| | 5000 | 1300 | 2200 | 3130 | 6040 | 140 | 140 | 3/6 | |
| VFHM Full free triplex | 4350 | 2000 | 2400 | 2130 | 5390 | 1500 | 1130 | 6/6 | |
| | 4500 | 1800 | 2300 | 2180 | 5540 | 1550 | 1180 | 6/6 | |
| | 5000 | 1500 | 2100 | 2423 | 6040 | 1793 | 1423 | 6/6 | |
| | 5500 | 1100 | 1800 | 2657 | 6540 | 2027 | 1657 | 3/6 | |
| 6000 | 800 | 1600 | 2890 | 7040 | 2260 | 1890 | 3/6 | | |

| KBG(D)30 | | | | | | | | | |
|------------------------|-------------|----------------------------------|--------------|---------------|---------------|------------------|---------------|------------|--|
| Mast type | Max. height | Rated capacity load center 500mm | | Height | | Free-lift height | | Mast angle | |
| | | 3T | double tyres | closed height | with carriage | | with carriage | front/back | |
| | mm | (kg) | (kg) | mm | mm | mm | mm | | |
| VM Standard wide-view | 4000 | 2900 | 3000 | 2630 | 5273 | 145 | 145 | 6/6 | |
| | 4500 | 2500 | 2800 | 2880 | 5773 | 145 | 145 | 6/6 | |
| | 5000 | 2000 | 2700 | 3130 | 6273 | 145 | 145 | 3/6 | |
| VFHM Full free triplex | 4350 | 2600 | 2900 | 2130 | 5623 | 1501 | 902 | 6/6 | |
| | 4500 | 2450 | 2800 | 2180 | 5773 | 1551 | 952 | 6/6 | |
| | 5000 | 2000 | 2600 | 2423 | 6273 | 1794 | 1195 | 6/6 | |
| | 5500 | 1600 | 2250 | 2657 | 6773 | 2028 | 1429 | 3/6 | |
| 6000 | 1100 | 2100 | 2890 | 7273 | 2261 | 1662 | 3/6 | | |

| KBG(D)35 | | | | | | | | | |
|------------------------|-------------|----------------------------------|--------------|---------------|---------------|------------------|---------------|------------|--|
| Mast type | Max. height | Rated capacity load center 500mm | | Height | | Free-lift height | | Mast angle | |
| | | 3.5T | double tyres | closed height | with carriage | without carriage | with carriage | front/back | |
| | mm | (kg) | (kg) | mm | mm | mm | mm | | |
| VM Standard wide-view | 4000 | 3200 | 3400 | 2780 | 5273 | 145 | 145 | 6/6 | |
| | 4500 | 2600 | 3000 | 3030 | 5773 | 145 | 145 | 6/6 | |
| | 5000 | 2100 | 2850 | 3380 | 6273 | 145 | 145 | 3/6 | |
| VFHM Full free triplex | 4350 | 3000 | 3000 | 2130 | 5623 | 1501 | 902 | 6/6 | |
| | 4500 | 3000 | 3000 | 2180 | 5773 | 1551 | 952 | 6/6 | |
| | 5000 | 2400 | 2850 | 2423 | 6273 | 1794 | 1195 | 6/6 | |
| | 5500 | 1750 | 2500 | 2657 | 6773 | 2028 | 1429 | 3/6 | |
| 6000 | 1200 | 2200 | 2890 | 7273 | 2261 | 1662 | 3/6 | | |

NOTE: The performance depicted represents nominal values obtained under typical operating conditions. Performance data may vary due to motor and system efficiency tolerances, and under different working conditions. The description and specifications included on this data sheet were in effect at time of printing. Linde Material Handling Pty Ltd reserves the right to make improvements and changes in specification or design without notice and without incurring obligation.