

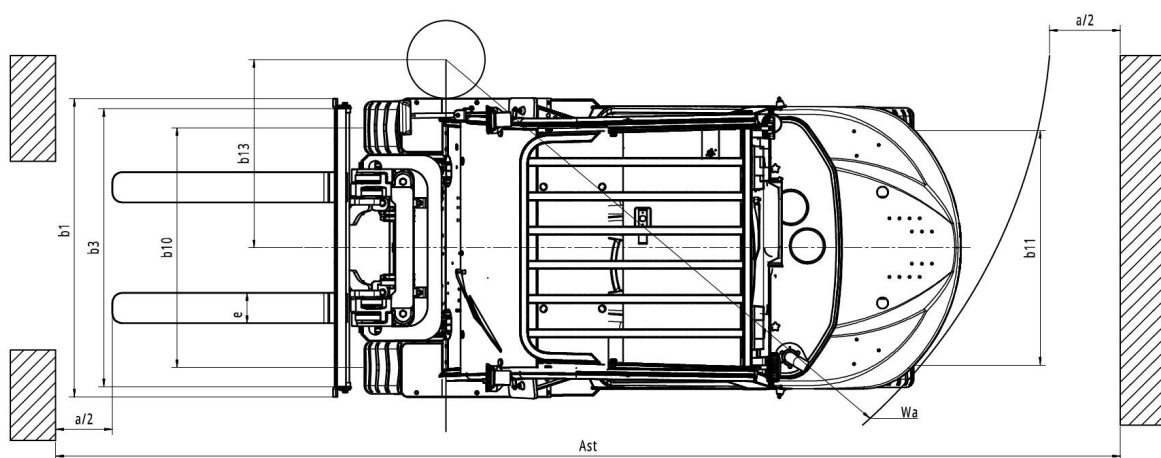
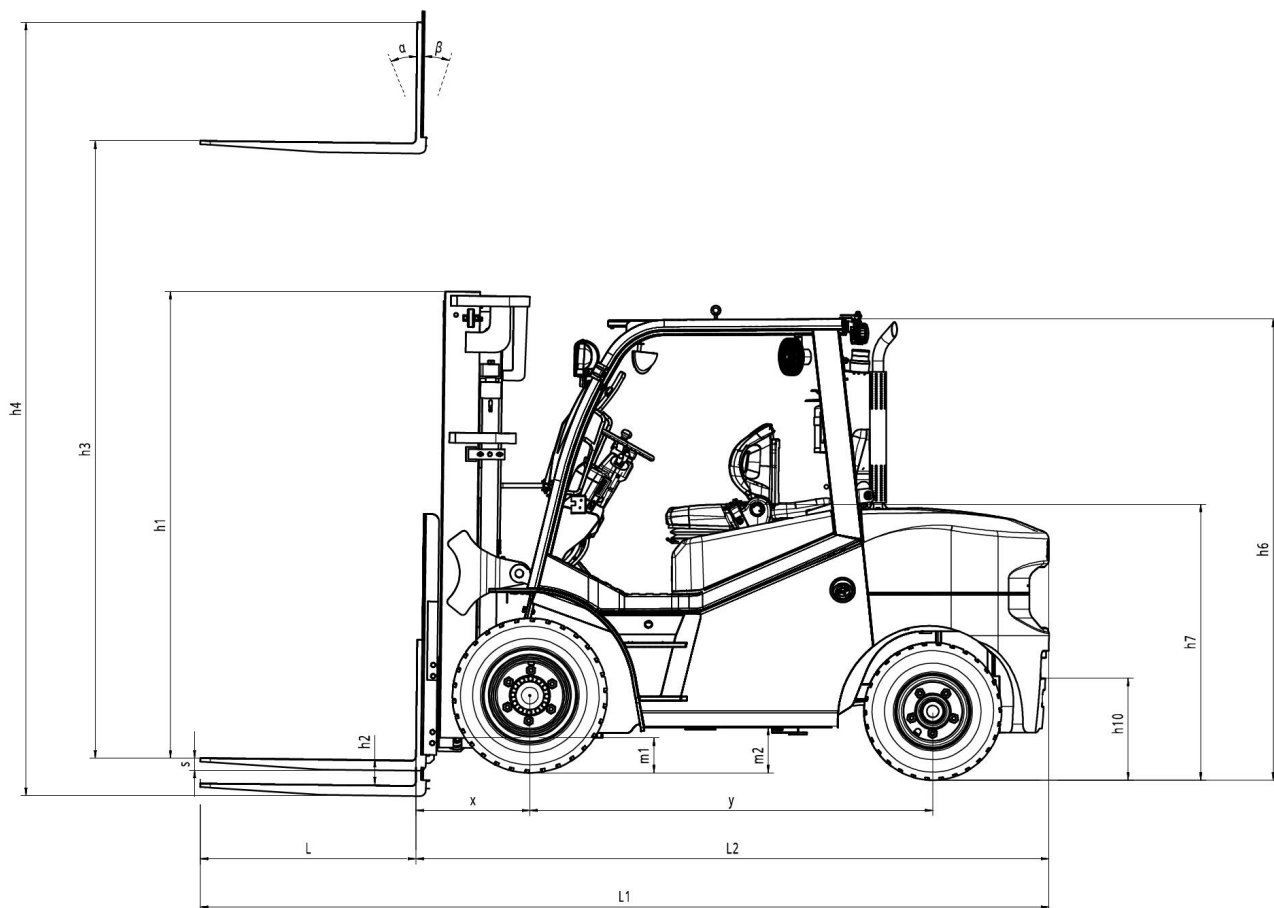
Baoli

KBD 40-50S



1.1	Manufacturer		KION BAOLI	KION BAOLI	KION BAOLI
1.2	Manufacturer's type designation		KBD 40 Deutz EU5	KBD 40 Weichai	KBD 40 Mitsubishi
1.3	Drive: electric, diesel, petrol, fuel gas		Diesel	Diesel	Diesel
1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated	Seated
1.5	Rated capacity / Rated load	Q (t)	4,0	4,0	4,0
1.6	Load centre distance	c (mm)	500	500	500
1.8	Load distance, centre of drive axle to fork	x (mm)	562	562	562
1.9	Wheelbase	y (mm)	2000	2000	2000
2.1	Service weight	Kg	6800	6780	7240
2.2	Axle loading, laden front/rear	Kg	9627/1243	9830/1250	10240/1100
2.3	Axle loading, unladen front/rear	Kg	2731/3676	3340/3440	3800/3440
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		SE	SE	SE
3.2	Tyre size, front		315/70-15	315/70-15	315/70-15
3.3	Tyre size, rear		7,00-12	7,00-12	7,00-12
3.6	Tread, front	b10 (mm)	1180	1180	1180
3.7	Tread, rear	b11 (mm)	1190	1190	1190
4.1	Tilt of mast/fork carriage forward/backward	α/β (°)	6/12	6/12	6/12
4.2	Height, mast lowered	h1 (mm)	2390	2390	2390
4.3	Free lift	h2 (mm)	150	150	150
4.4	Lift	h3 (mm)	3000	3000	3000
4.5	Heigh, mast extended	h4 (mm)	4275	4275	4275
4.7	Height of overhead guard (cabin)	h6 (mm)	2260	2260	2260
4.8	Seat height/stand height	h7 (mm)	1315	1280	1280
4.12	Coupling height	h10 (mm)	380	380	380
4.19	Overall length	l1 (mm)	4180	4180	4180
4.20	Length to face of forks	l2 (mm)	3110	3110	3110
4.21	Overall width	b1/b2 (mm)	1485	1485	1485
4.22	Fork dimensions ISO 2331	s/e/l (mm)	50x150x1070	50x150x1070	50x140x1070
4.23	Fork carriage ISO 2328, class/type A, B		III A	III A	III A
4.24	Fork carriage width	b3 (mm)	1380	1380	1380
4.31	Ground clearance, laden, below mast	m1 (mm)	145	145	145
4.32	Ground clearance, centre of wheelbase	m2 (mm)	180	180	180
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	4552	4552	4627
4.34.2	Aisle width for pallets 800 x 1200 lenghtways	Ast (mm)	4752	4752	4827
4.35	Turning radius	Wa (mm)	2790	2790	2790
4.36	Internal turning radius	b13 (mm)	900	900	900
5.1	Travel speed, laden/unladen	km/h	24/25	25,3/26,2	24,4/25,3
5.2	Lift speed, laden/unladen	m/s	0,440/0,530	0,456/0,528	0,440/0,530
5.3	Lowering speed, laden/unladen	m/s	0,420/0,290	0,455/0,320	0,420/0,290
5.5	Drawbar pull, laden/unladen	kN	25/23	24	24
5.7	Gradeability, laden/unladen	%	20	20	20
5.10	Service brake		Mech/Hydr	Mech/Hydr	Mech/Hydr
7.1	Engine manufacturer/type		Deutz TCD2.9 L4	Weichai WP4.1	Mitsubishi S6S
7.2	Engine power according to ISO 1585	kW	55.4	62.5	52
7.3	Rated speed	min-1	2300	2300	2300
7.4	Number of cylinders/displacement	cm3	4/2900	4/4090	6/4966
7.5	Fuel consumption according to VDI cycle	l/h or kg/h	5,1 l/h	10	6.15
7.9	Vehicle electrical system voltage	V	12	24	24
8.1	Type of drive unit		Hydrodynamic	Hydrodynamic	Hydrodynamic
10.1	Operating pressure for attachments	bar	200	200	200
10.2	Oil volume for attachments	l/min	101	101	101
10.4	Fuel tank, capacity	l/kg	90	90/75	90/75
10.8	Towing coupling, type DIN		Pin	Pin	Pin

1.1	Manufacturer		KION BAOLI	KION BAOLI	KION BAOLI
1.2	Manufacturer's type designation		KBD 50S Deutz EU5	KBD 50S Weichai	KBD 50S Mitsubishi
1.3	Drive: electric, diesel, petrol, fuel gas		Diesel	Diesel	Diesel
1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated	Seated
1.5	Rated capacity / Rated load	Q (t)	5,0	5,0	5,0
1.6	Load centre distance	c (mm)	500	500	500
1.8	Load distance, centre of drive axle to fork	x (mm)	567	567	567
1.9	Wheelbase	y (mm)	2000	2000	2000
2.1	Service weight	Kg	7340	7380	7780
2.2	Axle loading, laden front/rear	Kg	11000/1420	11360/1320	11330/1450
2.3	Axle loading, unladen front/rear	Kg	3120/4200	3220/4160	3160/4620
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		SE	SE	SE
3.2	Tyre size, front		315/70-15	315/70-15	315/70-15
3.3	Tyre size, rear		7,00-12	7,00-12	7,00-12
3.6	Tread, front	b10 (mm)	1180	1180	1180
3.7	Tread, rear	b11 (mm)	1190	1190	1190
4.1	Tilt of mast/fork carriage forward/backward	α/β (°)	6/12	6/12	6/12
4.2	Height, mast lowered	h1 (mm)	2390	2390	2390
4.3	Free lift	h2 (mm)	150	155	155
4.4	Lift	h3 (mm)	3000	3000	3000
4.5	Heigh, mast extended	h4 (mm)	4275	4275	4275
4.7	Height of overhead guard (cabin)	h6 (mm)	2260	2260	2260
4.8	Seat height/stand height	h7 (mm)	1315	1280	1280
4.12	Coupling height	h10 (mm)	380	380	380
4.19	Overall length	l1 (mm)	4230	4230	4230
4.20	Length to face of forks	l2 (mm)	3160	3160	3160
4.21	Overall width	b1/b2 (mm)	1485	1485	1485
4.22	Fork dimensions ISO 2331	s/e/l (mm)	55x150x1070	55x150x1070	55x150x1070
4.23	Fork carriage ISO 2328, class/type A, B		III A	III A	III A
4.24	Fork carriage width	b3 (mm)	1380	1380	1380
4.31	Ground clearance, laden, below mast	m1 (mm)	145	145	145
4.32	Ground clearance, centre of wheelbase	m2 (mm)	180	180	180
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	4597	4597	4667
4.34.2	Aisle width for pallets 800 x 1200 lenghtways	Ast (mm)	4797	4797	4867
4.35	Turning radius	Wa (mm)	2830	2830	2830
4.36	Internal turning radius	b13 (mm)	900	900	900
5.1	Travel speed, laden/unladen	km/h	24/25	25,3/26,2	24,4/25,3
5.2	Lift speed, laden/unladen	m/s	0,440/0,530	0,456/0,528	0,440/0,530
5.3	Lowering speed, laden/unladen	m/s	0,420/0,290	0,455/0,320	0,420/0,290
5.5	Drawbar pull, laden/unladen	kN	25/23	24	24
5.7	Gradeability, laden/unladen	%	20	20	20
5.10	Service brake		Mech/Hydr	Mech/Hydr	Mech/Hydr
7.1	Engine manufacturer/type		Deutz TCD2.9 L4	Weichai WP4.1	Mitsubishi S6S
7.2	Engine power according to ISO 1585	kW	55.4	62.5	52
7.3	Rated speed	min-1	2300	2300	2300
7.4	Number of cylinders/displacement	cm3	4/2900	4/4090	6/4966
7.5	Fuel consumption according to VDI cycle	l/h or kg/h	5,4 l/h	8,7 l/h	7,6 l/h
7.9	Vehicle electrical system voltage	V	12	24	24
8.1	Type of drive unit		Hydrodynamic	Hydrodynamic	Hydrodynamic
10.1	Operating pressure for attachments	bar	200	200	200
10.2	Oil volume for attachments	l/min	101	101	101
10.4	Fuel tank, capacity	l/kg	90	90/75	90/75
10.8	Towing coupling, type DIN		Pin	Pin	Pin



KBD 40 Deutz EU5										
Mast type	H3	Capacity - Load center 500 mm	Capacity - Load center 500 mm - with Sideshift	Capacity - Load center 500 mm - Twin tyres	Capacity - Load center 500 mm - Twin tyres - with Sideshift	H1	H4 with load backrest	H2 without load backrest	H2 with load backrest	Tilting angle Front/back
VM Tele	3000	4000	3750	4000	3750	2390	4275	150	150	6/12
	3300	4000	3750	4000	3750	2540	4575	150	150	6/12
	4000	4000	3750	4000	3750	2940	5275	150	150	6/6
	4500	4000	3750	4000	3750	3190	5775	150	150	6/6
	5000	4000	3750	4000	3750	3440	6275	150	150	6/6
VFM 2 stage	3000	4000	3750	4000	3750	2390	4275	1544	1165	6/12
	3500	4000	3750	4000	3750	2640	4775	1794	1415	6/12
	4000	4000	3750	4000	3750	2890	5275	2044	1665	6/12
VFHM triplex	3920	4000	3750	4000	3750	2245	5195	1399	1020	6/6
	4350	4000	3750	4000	3750	2390	5625	1544	1165	6/6
	4500	4000	3750	4000	3750	2441	5775	1595	1216	6/6
	4700	4000	3750	4000	3750	2507	5975	1661	1282	6/6
	5000	4000	3750	4000	3750	2640	6275	1794	1415	6/6
	6000	3480	3230	4000	3750	3005	7275	2159	1780	3/6

KBD 40 Weichai - KBD 40 Mitsubishi										
Mast type	H3	Capacity - Load center 500 mm	Capacity - Load center 500 mm - with Sideshift	Capacity - Load center 500 mm - Twin tyres	Capacity - Load center 500 mm - Twin tyres - with Sideshift	H1	H4 with load backrest	H2 without load backrest	H2 with load backrest	Tilting angle Front/back
VM Tele	3000	4000	3750	4000	3750	2390	4275	150	150	6/12
	3300	4000	3750	4000	3750	2540	4575	150	150	6/12
	4000	3800	3550	4000	3750	2940	5275	150	150	6/6
	4500	3500	3250	4000	3750	3190	5775	150	150	6/6
	5000	3100	2850	3700	3450	3440	6275	150	150	6/6
VFM 2 stage	3000	4000	3750	4000	3750	2390	4275	1544	1165	6/12
	3500	4000	3750	4000	3750	2640	4775	1794	1415	6/12
	4000	3800	3550	4000	3750	2890	5275	2044	1665	6/12
VFHM triplex	3920	3900	3650	3900	3650	2245	5195	1399	1020	6/6
	4350	3800	3550	3800	3550	2390	5625	1544	1165	6/6
	4500	3500	3250	3500	3250	2441	5775	1595	1216	6/6
	4700	3400	3150	3400	3150	2507	5975	1661	1282	6/6
	5000	3000	2750	3600	3350	2640	6275	1794	1415	6/6
	6000	2000	1750	3200	2950	3005	7275	2159	1780	3/6

KBD 50S Deutz EU5										
Mast type	H3	Capacity - Load center 500 mm	Capacity - Load center 500 mm - with Sideshift	Capacity - Load center 500 mm - Twin tyres	Capacity - Load center 500 mm - Twin tyres - with Sideshift	H1	H4 with load backrest	H2 without load backrest	H2 with load backrest	Tilting angle Front/back
VM Tele	3000	5000	4750	5000	4750	2390	4275	150	150	6/12
	3300	5000	4750	5000	4750	2540	4575	150	150	6/12
	4000	5000	4750	5000	4750	2940	5275	150	150	6/6
	4500	5000	4750	5000	4750	3190	5775	150	150	6/6
	5000	5000	4750	5000	4750	3440	6275	150	150	6/6
VFM 2 stage	3000	5000	4750	5000	4750	2390	4275	1544	1165	6/12
	3500	5000	4750	5000	4750	2640	4775	1794	1415	6/12
	4000	5000	4750	5000	4750	2890	5275	2044	1665	6/12
VFHM triplex	3920	5000	4750	5000	4750	2245	5195	1399	1020	6/6
	4350	5000	4750	5000	4750	2390	5625	1544	1165	6/6
	4500	5000	4750	5000	4750	2441	5775	1595	1216	6/6
	4700	5000	4750	5000	4750	2507	5975	1661	1282	6/6
	5000	5000	4750	5000	4750	2640	6275	1794	1415	6/6
	6000	4480	4230	5000	4750	3005	7275	2159	1780	3/6

KBD 50S Weichai - KBD 50S Mitsubishi										
Mast type	H3	Capacity - Load center 500 mm	Capacity - Load center 500 mm - with Sideshift	Capacity - Load center 500 mm - Twin tyres	Capacity - Load center 500 mm - Twin tyres - with Sideshift	H1	H4 with load backrest	H2 without load backrest	H2 with load backrest	Tilting angle Front/back
VM Tele	3000	5000	4750	5000	4750	2390	4275	150	150	6/12
	3300	5000	4750	5000	4750	2540	4575	150	150	6/12
	4000	4600	4350	4600	4350	2940	5275	150	150	6/6
	4500	4500	4250	4800	4550	3190	5775	150	150	6/6
	5000	4000	3750	4600	4350	3440	6275	150	150	6/6
VFM 2 stage	3000	5000	4750	5000	4750	2390	4275	1544	1165	6/12
	3500	5000	4750	5000	4750	2640	4775	1794	1415	6/12
	4000	4600	4350	5000	4750	2890	5275	2044	1665	6/12
VFHM triplex	3920	4800	4550	4800	4550	2245	5195	1399	1020	6/6
	4350	4700	4450	4700	4450	2390	5625	1544	1165	6/6
	4500	4500	4250	4500	4250	2441	5775	1595	1216	6/6
	4700	4200	3950	4200	3950	2507	5975	1661	1282	6/6
	5000	3800	3550	4500	4250	2640	6275	1794	1415	6/6
	6000	2500	2250	4000	3750	3005	7275	2159	1780	3/6



For more heavy-duty applications, Baoli offers the Diesel-powered KBD 40 and KBD 50S trucks and the KBG 40 and KBG 50S with LPG engines. These forklifts are available with load capacities of 4.0 and 5.0 tonnes at 500 mm load centre.

KBD/G 40-50S are available with Deutz and HDI EU5-compliant engines. For the markets where CE conformity is not required, it is possible to select Isuzu, Mitsubishi or Weichai Diesel engines and PSI LPG engines. The KBD 40-50S is extremely versatile and can be used in hard work environments as well as for very precise handlings. It is fitted with a very precise transmission, developed

by Baoli using KION Group technologies, and features a good visibility in any direction and a comfortable workplace.

The KBD/G 40-50S are very manoeuvrable. They are equipped with important driving aids: the electronic driving direction selector, easily accessible hydraulic levers, a dashboard with multifunction display and the parking brake pedal. The KBD/G 40-50S is designed to become the benchmark in terms of stability in its market segment. The very high residual capacities result in enhanced safety of the truck. An optimised and plain design ensures easy maintenance operations.

Technology

- ✓ High-quality hydrodynamic transmission
- ✓ Two speeds available for adapting to different applications
- ✓ Inching pedal for high precision handlings
- ✓ Robust mast: two stages, two stages free lift, three stages free lift
- ✓ Lifting cylinders cushioned during descent
- ✓ Electronic driving direction selector
- ✓ Metal engine compartment bonnet for maximum resistance and functionality.



Ergonomics and driver's workplace

- ✓ Robust driver's cabin for excellent visibility
- ✓ Reduced diameter steering wheel (300 mm) for excellent manoeuvrability
- ✓ Hydraulic levers to the right of the operator for maximum comfort
- ✓ Operator dashboard with multifunction display
- ✓ Adjustable seat and steering column
- ✓ Very spacious driver's seat and large operator footboard
- ✓ Half and full cabin available.

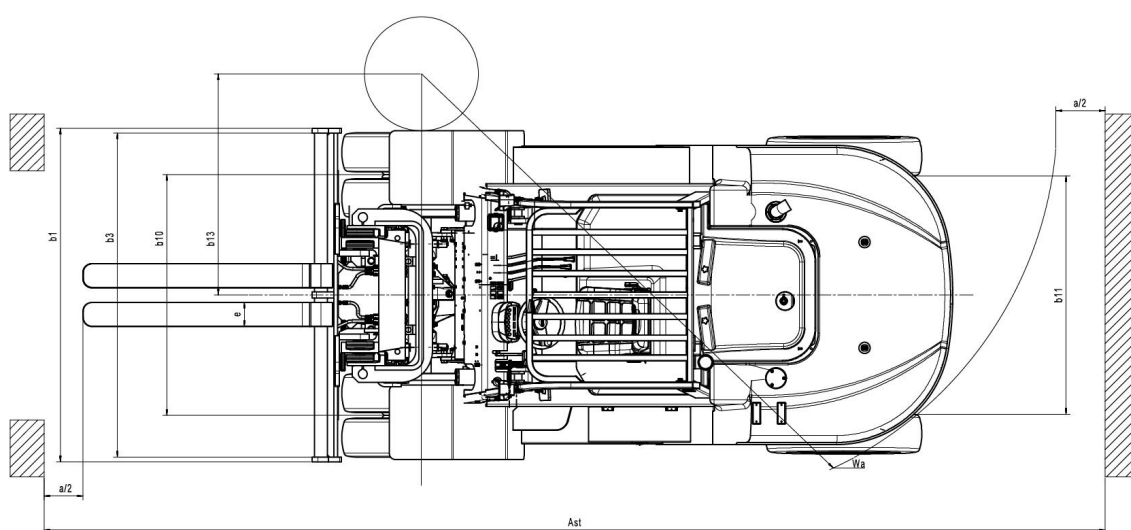
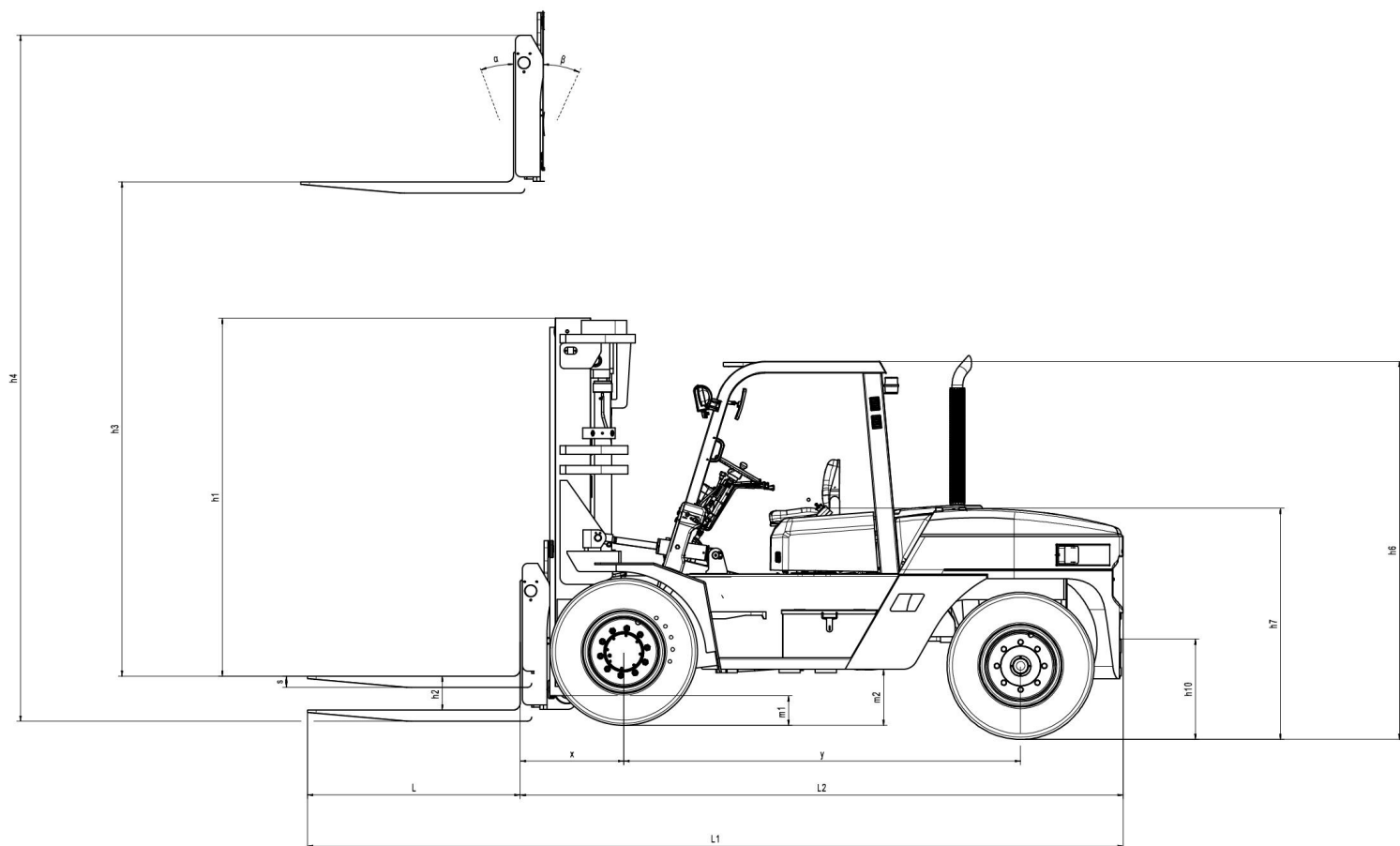


Baoli

KBD 50-100



1.1	Manufacturer		KION BAOLI	KION BAOLI
1.2	Manufacturer's type designation		KBD 50 Isuzu	KBD 50 EU5
1.3	Drive: electric, diesel, petrol, fuel gas		Diesel	Diesel
1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated
1.5	Rated capacity / Rated load	Q (t)	5,0	5,0
1.6	Load centre distance	c (mm)	600	600
1.8	Load distance, centre of drive axle to fork	x (mm)	622	622
1.9	Wheelbase	y (mm)	2250	2250
2.1	Service weight	Kg	8400	8815
2.2	Axle loading, laden front/rear	Kg	12080/1420	12295/1520
2.3	Axle loading, unladen front/rear	Kg	4220/4260	3720/5095
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		SE	SE
3.2	Tyre size, front		8,25-15/6,5	8,25-15/6,5
3.3	Tyre size, rear		8,25-15/6,5	8,25-15/6,5
3.6	Tread, front	b10 (mm)	1470	1470
3.7	Tread, rear	b11 (mm)	1700	1700
4.1	Tilt of mast/fork carriage forward/backward	α/β (°)	6/12	6/12
4.2	Height, mast lowered	h1 (mm)	2500	2500
4.3	Free lift	h2 (mm)	205	205
4.4	Lift	h3 (mm)	3000	3000
4.5	Heigh, mast extended	h4 (mm)	4429	4275
4.7	Height of overhead guard (cabin)	h6 (mm)	2445	2445
4.8	Seat height/stand height	h7 (mm)	1395	1495
4.12	Coupling height	h10 (mm)	356	356
4.19	Overall length	l1 (mm)	4737	4737
4.20	Length to face of forks	l2 (mm)	3517	3517
4.21	Overall width	b1/b2 (mm)	1995	1995
4.22	Fork dimensions ISO 2331	s/e/l (mm)	55x150x1220	55x150x1220
4.23	Fork carriage ISO 2328, class/type A, B		IV A	IV A
4.24	Fork carriage width	b3 (mm)	1845	1845
4.31	Ground clearance, laden, below mast	m1 (mm)	160	160
4.32	Ground clearance, centre of wheelbase	m2 (mm)	190	190
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	5162	5162
4.34.2	Aisle width for pallets 800 x 1200 lenghtways	Ast (mm)	5362	5362
4.35	Turning radius	Wa (mm)	3340	3340
4.36	Internal turning radius	b13 (mm)	1095	1095
5.1	Travel speed, laden/unladen	km/h	27/29	24/24
5.2	Lift speed, laden/unladen	m/s	0,400/0,560	0,480/0,650
5.3	Lowering speed, laden/unladen	m/s	0,480/0,380	0,460/0,410
5.5	Drawbar pull, laden/unladen	kN	53	45/27
5.7	Gradeability, laden/unladen	%	20	20
5.10	Service brake		Mech/Hydr	Mech/Hydr
7.1	Engine manufacturer/type		Isuzu 6BG1QC-02	Hyundai DM03 EU5
7.2	Engine power according to ISO 1585	kW	82.5	85.8
7.3	Rated speed	min-1	2000	2300
7.4	Number of cylinders/displacement	cm3	6/6494	4/3409
7.5	Fuel consumption according to VDI cycle	l/h or kg/h	-	-
7.9	Vehicle electrical system voltage	V	24	24
8.1	Type of drive unit		Hydrodynamic	Hydrodynamic
10.1	Operating pressure for attachments	bar	200	200
10.2	Oil volume for attachments	l/min	165	165
10.4	Fuel tank, capacity	l/kg	100	140
10.8	Towing coupling, type DIN		Pin	Pin



KBD 50 Isuzu							
Mast type	H3	Capacity - Load center 600 mm	H1	H4 with load backrest	H2 without load backrest	H2 with load backrest	Tilting angle Front/back
VM Tele	3000	5000	2500	4429	210	210	6/12
	3300	4850	2650	4729	210	210	6/12
	4000	4700	3050	5429	210	210	6/12
	4500	4600	3300	5929	210	210	6/12
	5000	4500	3550	6429	210	210	6/6
	5500	4250	3850	6929	210	210	3/6
	6000	4000	4100	7429	210	210	3/6
VFM 2 stage	3000	5000	2460	4429	1544	1091	6/12
	3500	4800	2710	4929	1794	1341	6/12
	4000	4700	3010	5429	2094	1641	6/12
VFHM triplex	4500	4500	2655	5775	1739	1286	6/6
	4800	4500	2760	6075	1844	1391	6/6
	5000	4500	2825	6275	1909	1456	3/6
	5400	4100	2960	6675	2044	1591	3/6
	6000	4000	3160	7275	2244	1791	3/6

KBD 50 EU5								
Mast type	H3	Capacity - Load center 600 mm	Capacity - Load center 600 mm - with Sideshift	H1	H4 with load backrest	H2 without load backrest	H2 with load backrest	Tilting angle Front/back
VM Tele	3000	5000	4500	2500	4429	210	210	6/12
	3300	4850	4380	2650	4729	210	210	6/12
	4000	4700	4200	3050	5429	210	210	6/12
	4500	4600	4100	3300	5929	210	210	6/12
	5000	4500	4000	3550	6429	210	210	6/6
	5500	4250	3750	3850	6929	210	210	3/6
	6000	4000	3500	4100	7429	210	210	3/6
VFM 2 stage	3000	5000	4500	2460	4429	1544	1091	6/12
	3500	4800	4300	2710	4929	1794	1341	6/12
	4000	4700	4200	3010	5429	2094	1641	6/12
VFHM triplex	4500	4500	4000	2655	5775	1739	1286	6/6
	4800	4500	4000	2760	6075	1844	1391	6/6
	5000	4500	4000	2825	6275	1909	1456	3/6
	5400	4100	3600	2960	6675	2044	1591	3/6
	6000	4000	3500	3160	7275	2244	1791	3/6



The KBD 50-100 are available with load capacities of 5.0, 6.0, 7.0 and 10.0 tonnes at 600 mm load centre. They are equipped with powerful HDI EU5 engines for the markets with CE conformity requirements, and Isuzu and Weichai engines for the markets where CE conformity is not required. The KBD 50-100 are designed for heavy-duty applications. They are simple, reliable, and easy-to-maintain forklifts.

The wide and robust overhead guard, fitted above a large driver's seat, offers great visibility even with the highest loads. The reliable and high-quality transmission ensures a high level of drivability and comfort.

The KBD 50-100 series is the perfect choice for those looking for a sturdy quality product without unnecessary options.

A broad range of options allows customers to find the perfect combination for their own application. It includes the full cabin with windscreen wiper and the internal fan, heater, air conditioner, the vertical exhaust, the fifth valve for the hydraulic system, and the electronic driving direction selection. With a choice of operating concepts, the Baoli KBD 50-100 series offer the right solution for all drivers. The trucks are ideal for any heavy-duty application.

Technology

- ✓ High-quality hydrodynamic transmission
- ✓ Reduced emissions with Add-blue system
- ✓ Inching pedal for high precision handlings
- ✓ Robust mast: two stages, two stages free lift, three stages free lift
- ✓ Lifting cylinders cushioned during descent
- ✓ Electronic driving direction selector
- ✓ Metal engine compartment bonnet for maximum resistance and functionality.



Ergonomics and workplace

- ✓ Robust driver's cabin for excellent visibility
- ✓ Reduced diameter steering wheel (300 mm) for excellent manoeuvrability
- ✓ Operator dashboard with multifunction display
- ✓ Adjustable seat and steering column
- ✓ Very spacious driver's seat and very large operator footboard
- ✓ Half and full cabin available
- ✓ Cabin fan / heater / air conditioner available.

