

Baoli

KBD 50-100



Baoli

1.1	Manufacturer		KION BAOLI	KION BAOLI	KION BAOLI
1.2	Manufacturer's type designation		KBD 50 EU5	KBD 50 Isuzu	KBD 100 EU5
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	10,0
1.6	Load centre distance	c (mm)	600	600	600
1.8	Load distance, centre of drive axle to fork	x (mm)	622	622	733
1.9	Wheelbase	y (mm)	2250	2250	2800
2.1	Service weight	Kg	8815	8400	13780
2.2	Axle loading, laden front/rear	Kg	12295/1520	12080/1420	21360/2380
2.3	Axle loading, unladen front/rear	Kg	3720/5095	4220/4260	6580/7200
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		SE	SE	SE
3.2	Tyre size, front		8,25-15/6,5	8,25-15/6,5	9,00-20/16PR
3.3	Tyre size, rear		8,25-15/6,5	8,25-15/6,5	9,00-20/16PR
3.6	Tread, front	b10 (mm)	1470	1470	1600
3.7	Tread, rear	b11 (mm)	1700	1700	1700
4.1	Tilt of mast/fork carriage forward/backward	α/β (°)	6/12	6/12	6/12
4.2	Height, mast lowered	h1 (mm)	2500	2500	2845
4.3	Free lift	h2 (mm)	205	205	210
4.4	Lift	h3 (mm)	3000	3000	3000
4.5	Height, mast extended	h4 (mm)	4275	4429	4275
4.7	Height of overhead guard (cabin)	h6 (mm)	2445	2445	2567
4.8	Seat height/stand height	h7 (mm)	1495	1395	1610
4.12	Coupling height	h10 (mm)	356	356	478
4.19	Overall length	l1 (mm)	4737	4737	5755
4.20	Length to face of forks	l2 (mm)	3517	3517	4255
4.21	Overall width	b1/b2 (mm)	1995	1995	2175
4.22	Fork dimensions ISO 2331	s/e/l (mm)	55x150x1220	55x150x1220	80x160x1520
4.23	Fork carriage ISO 2328, class/type A, B		IV A	IV A	V A
4.24	Fork carriage width	b3 (mm)	1845	1845	2239
4.31	Ground clearance, laden, below mast	m1 (mm)	160	160	215
4.32	Ground clearance, centre of wheelbase	m2 (mm)	190	190	340
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	5162	5162	6183
4.34.2	Aisle width for pallets 800 x 1200 lengthways	Ast (mm)	5362	5362	6383
4.35	Turning radius	Wa (mm)	3340	3340	4250
4.36	Internal turning radius	b13 (mm)	1095	1095	1000
5.1	Travel speed, laden/unladen	km/h	24/24	27/29	23/26
5.2	Lift speed, laden/unladen	m/s	0,480/0,650	0,400/0,560	0,320/0,410
5.3	Lowering speed, laden/unladen	m/s	0,460/0,410	0,480/0,380	0,440/0,390
5.5	Drawbar pull, laden/unladen	kN	45/27	53	56/44
5.7	Gradeability, laden/unladen	%	20	20	20
5.10	Service brake		Mech/Hydr	Mech/Hydr	Mech/Hydr
7.1	Engine manufacturer/type		Hyundai DM03 EU5	Isuzu 6BG1QC-02	Hyundai DM03 (D34) EU5
7.2	Engine power according to ISO 1585	KW	85.8	82.5	85.8
7.3	Rated speed	min-1	2300	2000	2300
7.4	Number of cylinders/displacement	cm3	4/3409	6/6494	4/3409
7.5	Fuel consumption according to VDI cycle	l/h or kg/h	-	-	11 l/h
7.9	Vehicle electrical system voltage	V	24	24	24
8.1	Type of drive unit		Hydrodynamic	Hydrodynamic	Hydrodynamic
10.4	Fuel tank, capacity	l/kg	140	100	140
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 100 Isuzu	KBD 100 Weichai	KBD 50 Weichai
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)	10,0	10,0	5,0
1.6	Load centre distance	c (mm)	600	600	600
1.8	Load distance, centre of drive axle to fork	x (mm)	700	700	622
1.9	Wheelbase	y (mm)	2800	2800	2250
2.1	Service weight	Kg	13200	13200	8400
2.2	Axle loading, laden front/rear	Kg	21180/2040	21180/2040	12080/1420
2.3	Axle loading, unladen front/rear	Kg	6260/6940	6260/6940	4220/4260
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		SE	SE	PN
3.2	Tyre size, front		9,00-20/16PR	9,00-20/16PR	8,25-15/14PR
3.3	Tyre size, rear		9,00-20/16PR	9,00-20/16PR	8,25-15/14PR
3.6	Tread, front	b10 (mm)	1600	1600	1470
3.7	Tread, rear	b11 (mm)	1700	1700	1700
4.1	Tilt of mast/fork carriage forward/backward	α/β (°)	6/12	6/12	6/12
4.2	Height, mast lowered	h1 (mm)	2760	2760	2500
4.3	Free lift	h2 (mm)	143	143	205
4.4	Lift	h3 (mm)	3000	3000	3000
4.5	Height, mast extended	h4 (mm)	4545	4545	4429
4.7	Height of overhead guard (cabin)	h6 (mm)	2567	2567	2445
4.8	Seat height/stand height	h7 (mm)	1512	1512	1395
4.12	Coupling height	h10 (mm)	478	478	356
4.19	Overall length	l1 (mm)	5780	5780	4737
4.20	Length to face of forks	l2 (mm)	4280	4280	3517
4.21	Overall width	b1/b2 (mm)	2175	2175	1995
4.22	Fork dimensions ISO 2331	s/e/l (mm)	80x160x1500	80x160x1500	55x150x1220
4.23	Fork carriage ISO 2328, class/type A, B		V A	A	A
4.24	Fork carriage width	b3 (mm)	2239	2239	1845
4.31	Ground clearance, laden, below mast	m1 (mm)	215	215	160
4.32	Ground clearance, centre of wheelbase	m2 (mm)	340	340	190
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	6150	6650	5162
4.34.2	Aisle width for pallets 800 x 1200 lengthways	Ast (mm)	6350	-	-
4.35	Turning radius	Wa (mm)	4250	4250	3340
4.36	Internal turning radius	b13 (mm)	1000	1000	1095
5.1	Travel speed, laden/unladen	km/h	22/28	22/28	27/29
5.2	Lift speed, laden/unladen	m/s	0,340/0,390	0,34/0,39	0,4/0,55
5.3	Lowering speed, laden/unladen	m/s	0,438/0,276	0,438/0,276	0,48/0,38
5.5	Drawbar pull, laden/unladen	kN	50/45	50/45	53
5.7	Gradeability, laden/unladen	%	20	20	20
5.10	Service brake		Mech/Hydr	Mech/Hydr	Mech/Hydr
7.1	Engine manufacturer/type		Isuzu 6BG1QC-02	Weichai WP4.1	Weichai WP4.1
7.2	Engine power according to ISO 1585	kW	82.5	92	92
7.3	Rated speed	min-1	2000	2200	2200
7.4	Number of cylinders/displacement	cm3	6/6494	4/4090	4/4090
7.5	Fuel consumption according to VDI cycle	l/h or kg/h	8,8 l/h	10 l/h	8,4 l/h
7.9	Vehicle electrical system voltage	V	24	24	24
8.1	Type of drive unit		Hydrodynamic	Hydrodynamic	Hydrodynamic
10.4	Fuel tank, capacity	l/kg	100	210	140/117
10.8	Towing coupling, type DIN		Pin	Pin	Pin

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

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 100 EU5								
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	10000	2845	4307	210	210	6/12	
	3300	10000	2995	4607	210	210	6/12	
	4000	10000	3395	5307	210	210	6/12	
	4500	10000	3645	5807	210	210	6/12	
	5000	10000	3895	6307	210	210	6/6	
	6000	8000	4445	7532	210	210	3/6	
VFHM triplex	4500	7500	2870	5872	1578	1393	6/12	
	4800	7500	2970	6172	1678	1493	6/6	
	5000	7500	3035	6372	1743	1558	6/6	
	5400	7000	3225	6772	1933	1748	3/6	
	6000	6000	3425	7372	2133	1948	3/6	

KBD 100 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	10000	2845	4307	210	210	6/12
	3300	10000	2995	4607	210	210	6/12
	4000	10000	3395	5307	210	210	6/12
	4500	10000	3645	5807	210	210	6/12
	5000	10000	3895	6307	210	210	6/6
	6000	8000	4445	7532	210	210	3/6
VFHM triplex	4500	7500	2870	5872	1578	1393	6/12
	4800	7500	2970	6172	1678	1493	6/6
	5000	7500	3035	6372	1743	1558	6/6
	5400	7000	3225	6772	1933	1748	3/6
	6000	6000	3425	7372	2133	1948	3/6

KBD 50-100



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.

