

## »» 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 200 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.

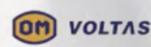
**KION**  
GROUP



STILL



DEMATIC



## KBD 50/70 Internal Combustion Forklift

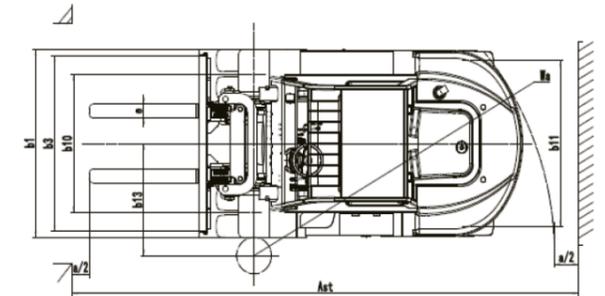
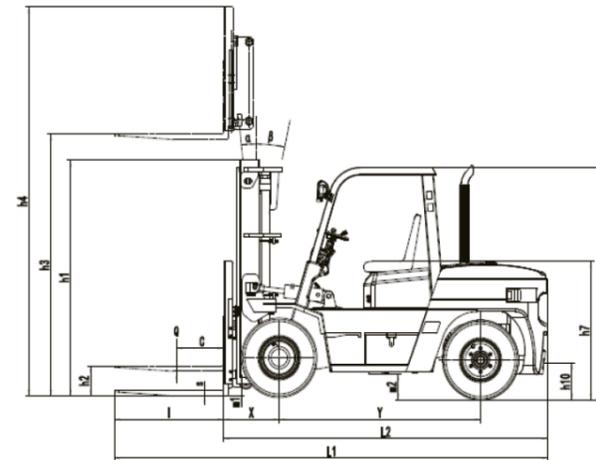


## >> Specifications

	Item Description	Unit	Design Value		
			KBD50	KBD70	
Characteristics	1.1	Manufacturer	Baoli	Baoli	
	1.2	Model	KBD50	KBD70	
	1.3	Power Unit	Diesel	Diesel	
	1.4	Operation	Rider Seated	Rider Seated	
	1.5	Load capacity / Load	Q (kg)	5000	7000
	1.6	Load centre distance	c (mm)	600	600
	1.8	Axle centre to fork face	x (mm)	622	632
Weights	2.1	Service weight	(kg)	8400	9600
	2.2	Axle load with load, front / rear	(kg)	12080/1420	14820/1760
	2.3	Axle load without load, front / rear	(kg)	4220/4260	3960/5640
Wheels/tyres	3.1	Tyres rubber, SE, pneumatic, polyurethane	PN	PN	
	3.2	Tyre size, front	8.25-15-14PR	8.25-15-14PR	
	3.3	Tyre size, rear	8.25-15-14PR	8.25-15-14PR	
	3.6	Tread width, front	b10 (mm)	1470	1470
Dimensions	4.1	Mast / fork carriage tilt, forward / backward	a/b (°)	6/12	6/12
	4.2	Height of mast, lowered	h1 (mm)	2500	2500
	4.3	Free lift	h2 (mm)	205	215
	4.4	Lift	h3 (mm)	3000	3000
	4.5	Height of mast, extended	h4 (mm)	4429	4429
	4.7	Height of overhead guard (cabin)	h6 (mm)	2445	2445
	4.8	Seat height	h7 (mm)	1395	1395
	4.12	Drawbar height	h10 (mm)	356	356
	4.19	Overall length	l1 (mm)	4737	4852
	4.20	Length to fork face	l2 (mm)	3517	3632
	4.21	Overall width	b1 (mm)	1995	1995
	4.22	Fork dimensions DIN ISO 2331	s / e / l (mm)	55/150/1220	65/150/1220
	4.23	Fork carriage to ISO 2328, class / type A, B		A	A
	4.24	Width of fork carriage	b3 (mm)	1845	1845
	4.31	Ground clearance, 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	5292
4.35	Turning radius	Wa (mm)	3340	3460	
4.36	Turning point minimum distance from the Truck Center Line	b13 (mm)	1095	1095	
Performance	5.1	Travel speed, with / without load	(km/h)	27/29	22/27
	5.2	Lifting speed, with / without load	(mm/s)	400/560	420/555
	5.3	Lowering speed, with / without load	(mm/s)	480/380	350/285
	5.5	Tractive force (at 2km/h) with / without load	(KN)	53	51
	5.7	Gradeability (at 2km/h) with / without load	(%)	20	20
5.10	Service brake		Mechanical/Hydraulic	Mechanical/Hydraulic	
Drive	7.1	Engine manufacturer/Engine type		ISUZU 6BG1QC-02	ISUZU 6BG1QC-02
	7.1	Engine (Optional)		Weichai WP4.1	Weichai WP4.1
	7.2	Engine power in compliance with ISO 1585	(kW)	82.5	83
	7.3	Rated RPM	(r/min)	2000	2200
7.4	Cylinder number/displacement	(cm <sup>3</sup> )	6/6494	6/6494	
Others	7.9	On-board voltage	(v)	24	24
	8.1	Drive control type		Electron Hydraulic	Electron Hydraulic
	10.4	Volume fuel tank	(l)	140	140
	10.7	Sound pressure level LpAZ (at the driver's seat)	(dB (A))	100	100
10.8	Drawbar, model/Type DIN 15170		Pin	Pin	

## >> Mast Specifications

KBD 50 / 70								
Mast type	Max. height	Rated capacity load center 600mm		Height		Free-lift height		Mast angle
		5.0T	7.0T	closed height	with carriage	without carriage	with carriage	
	mm	(kg)	(kg)	mm	mm	mm	mm	front/back
VM Standard wide-view	3000	5000	7000	2500	4429	210	210	6/12
	3300	5000	7000	2650	4729	210	210	6/12
	3500	5000	7000	2750	4929	210	210	6/12
	4000	5000	7000	3050	5429	210	210	6/12
VFHM Full free triplex	4000	4500	6000	2490	5275	1574	1121	6/6
	4500	4500	6000	2655	5775	1739	1286	6/6
	4800	4500	6000	2760	6075	1844	1391	6/6
	5000	4500	6000	2825	6275	1909	1456	3/6
	5400	4200	5500	2960	6675	2044	1591	3/6
6000	4000	5300	3160	7275	2244	1791	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.