



Counterbalanced Forklift 3,500 lb. Capacity

KBET18
48V Electric Forklift Truck

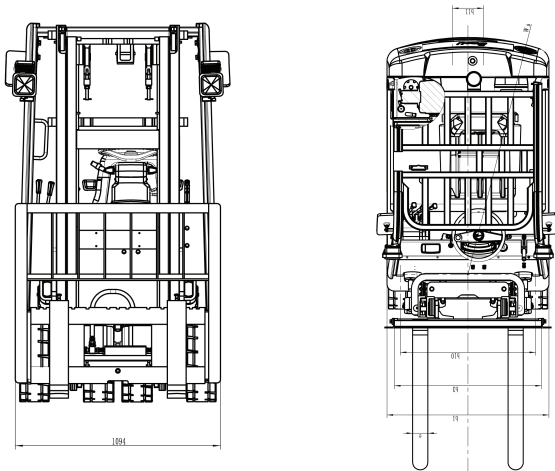
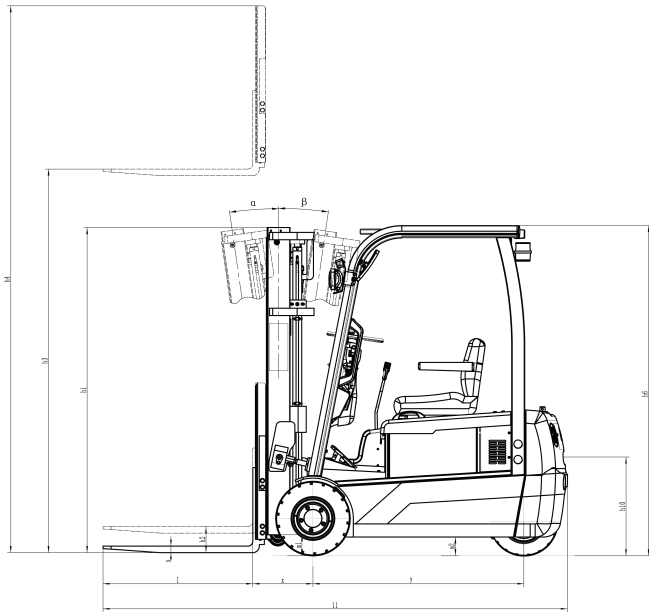


Technical Data

April 2016

	POS	ITEM DESCRIPTION		UNIT		UNIT	
Distinguishing mark	1.1	Manufacturer			BAOLI		BAOLI
	1.2	Model designation			KBET18/4.7m-triplex		KBET18/4.7m-triplex
	1.2.1	Chassis configuration			3-Wheel		3-Wheel
	1.3	Power unit: battery, diesel, LP, gas			Electric		Electric
	1.4	Operation: manual, pedestrian, rider standing, rider seated, order picker			Seated	lb	Seated
	1.5	Rated capacity/rated load	Q	kg	1588	in	3500
	1.6	Load center distance	c	mm	600	in	24
	1.8	Load distance, center of drive axle to fork	x	mm	375	in	14.6
	1.9	Wheel base	y	mm	1295	lb	51
Weight	2.1	Service weight (with battery)		kg	3420	lb	7540
	2.1a	Service weight (without battery)		kg	2600	lb	5820
	2.2	Axle loading, with load front/rear		kg	3920/700	lb	8642/1543
	2.3	Axle loading, without load front/rear		kg	1840/1580		4056/3484
Tires/chassis	3.1	Tire type: cushion, cushion super elastic, pneumatic			S/E		S/E
	3.2	Tire size, front			18x7-8		18x7-8
	3.3	Tire size, rear			16x6-8		16x6-8
	3.5	Wheels, number front/rear (x = driven wheels)		mm	2x/2	in	2x/2
	3.6	Tread, front	b10	mm	890	in	35
	3.7	Tread, rear	b11	°	205	°	8.1
	Basic dimensions	4.1	Mast/fork carriage tilt forward/backward	a/b	mm	5/7	in
4.2		Height of mast lowered	h1	mm	2185	in	86
4.3		Free lift	h2	mm	1185	in	46.7
4.4		Lift	h3	mm	4700	in	185
4.5		Height of mast extended	h4	mm	5542	in	218.2
4.7		Height of overhead guard (cabin)	h6	mm	2015	in	79
4.8		Seat height relating to SIP/stand height	h7	mm	958	in	38
4.12		Height of tow coupling	h10	mm	600	in	24
4.19		Overall length	l1	mm	2945	in	116
4.20		Length to fork face	l2	mm	1875	in	73.8
4.21		Overall width	b 1/b 2	mm	1066	in	42
4.22		Fork dimensions DIN ISO 2331	s / e / l		35*122*1070		1.3*4.8*42
4.23		Fork carriage: class		mm	Class II	in	Class II
4.24		Fork carriage: width	b3	mm	968	in	38.1
Performance		4.31	Ground clearance under mast, with load	m1	mm	120	in
	4.32	Ground clearance, center of wheelbase	m2	mm	110	in	4.3
	4.33	Aisle width with pallet 40" x 48" across forks	Ast	mm	3240	in	127.6
	4.35	Turning radius	Wa	km/h	1500	mph	59
	5.1	Travel speed, with/without load		m/s	14/15.5	fpm	8.7/9.6
	5.2	Lift speed, with/without load		m/s	0.28/0.45	fpm	55/88.6
	5.3	Lowering speed, with/without load		kN	0.46/0.42	lbf	90.5/82.7
	5.5	Drawbar pull, with/without load		%	8.7	%	1956
Electric engine	5.7	Gradeability, with/without load			20/20		20/20
	5.10	Service brake		kW	Electric/mechanical	kW	Electric/mechanical
	6.1	Drive motor rating (60 min. rating)		kW	2x6.5	kW	2x6.5
	6.2	Lift motor (15% rating)		mm	15	in	15
	6.3	Battery compartment dimension (l x w x h)		V	975/544/590	V	38.4/21.4/23.2
	6.4	Battery voltage	U	Ah	48	Ah	48
	6.4.1	Nominal capacity K5	K5	kg	505/525/595	lb	505/525/595
Misc.	6.5	Battery weight		bar	810~920	bar	1786~1920
	10.1	Operating pressure for attachments		dB(A)	160	dB(A)	160
	10.7	Sound pressure level at the driver's seat			≤75		≤75
		Drive control			AC		AC

* Maximum battery height should not exceed 23.2 in. (590 mm)



Performance

The AC dual-drive motors with SME controllers provide excellent power and increase productivity. The energy-efficient design allows for continuous operation during day-to-day jobs. The compact design allows for ease of maneuverability in narrow aisles.

Quality & Support

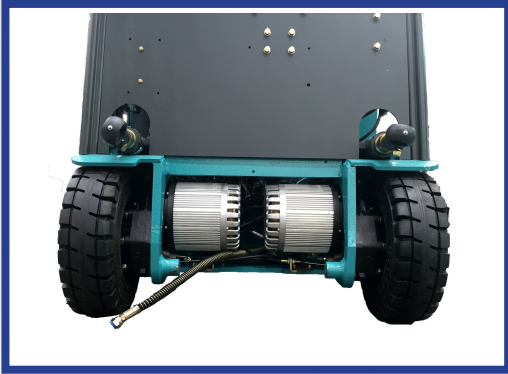
Optimized standard specifications allow Baoli to offer higher quality trucks and parts than the competition. Baoli forklifts come with the KION NA Standard Warranty and 12-month return on initial parts orders without penalty; the warranty excludes maintenance parts.

Service Network

Fully integrated into the KION North America supply and service chain and service system, Baoli provides shared resources from within the KION Group brands and offers a well-developed sales and service network. With Baoli spare parts in stock at the KION NA warehouse, spare parts delivery is possible within 24 hours throughout the U.S. on special demand.

Standard Equipment

- Solid, super elastic drive and steer tires
- Triplex mast
- 185-inch lift height
- Wide Class II hang-on sidershifter
- Hook type Class II forks
- Overhead guard 79-inch height
- 5-degree forward, 7-degree backwards tilt
- Rear pillar assist with horn
- Left and right external rear view mirrors
- Overhead guard entry grip
- Third function valve
- Third function reeving triple mast
- Three individual hydraulic control levers
- Back up alarm and strobe light
- Overhead mounted LED spotlights
- Comfort suspension seat
- Tilting adjustable steering column
- Operating instruction / finish and marking
- Standard KION NA Warranty



Motors

- AC power
- Dual-drive motors
- SME controller



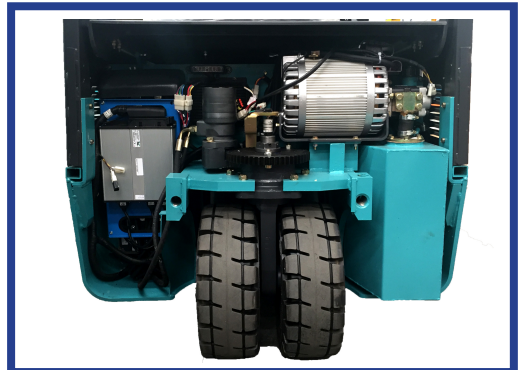
Truck Design

- Compact design for narrow aisles
- Low center of gravity
- Standard KION structure painting



Operator Compartment

- Comfort suspension seat
- Ergonomically designed
- Fully adjustable



Maintenance

- Almost zero maintenance required
- Easy access for battery maintenance
- Nearly 90-degree opening for battery compartment

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Standard truck meets all applicable mandatory requirements of ANSI/ITSDF B56.1 standards for powered industrial trucks. NOTE: Performance data may vary due to motor and system efficiency tolerances. The performance depicted represents nominal values obtained under typical operating conditions. Metric dimensions are in millimeters unless otherwise specified. All metric dimensions are not direct equivalents due to rounding data. The descriptions and specifications included on this data sheet were in effect at the time of printing. KION North America Corporation reserves the right to make improvements and changes in specification or design without notice and without incurring obligation. Please check with your authorized Baoli dealer for information on possible updates or revisions.