

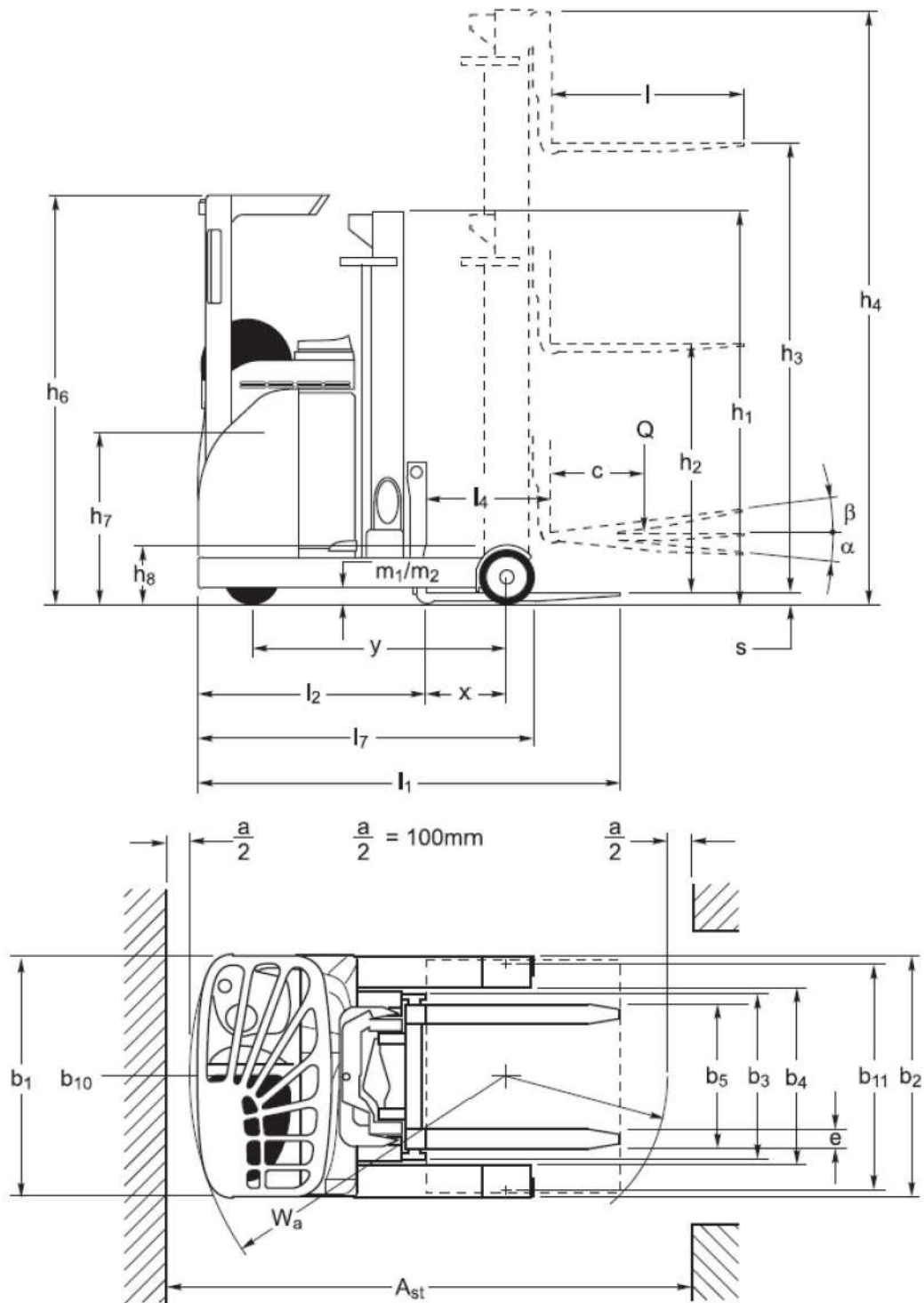
# Baoli

## KBR 14-20



*Baoli*

1.1	Manufacturer		KION BAOLI
1.2	Manufacturer's type designation		KBR 14
1.3	Drive: electric, diesel, petrol, fuel gas		Electric
1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated
1.5	Rated capacity / Rated load	Q (t)	1.4
1.6	Load centre distance	c (mm)	600
1.8	Load distance, centre of drive axle to fork	x (mm)	239
1.9	Wheelbase	y (mm)	1275
2.1	Service weight	Kg	3060
2.3	Axle loading, unladen front/rear	Kg	1785/1275
2.4	Axle loading, fork advanced, laden front/rear	Kg	550/3910
2.5	Axle loading, fork retracted, laden front/rear	Kg	1345/3115
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		PU
3.2	Tyre size, front		Ø343x135
3.3	Tyre size, rear		Ø285x100
3.5	Wheels, number front/rear (x = driven wheels)		1x/2
3.7	Tread, rear	b11 (mm)	1150
4.1	Tilt of mast/fork carriage forward/backward	$\alpha/\beta$ (°)	2,0/4,0
4.2	Height, mast lowered	h1 (mm)	2476
4.3	Free lift	h2 (mm)	1627
4.4	Lift	h3 (mm)	5755
4.5	Height, mast extended	h4 (mm)	6495
4.7	Height of overhead guard (cabin)	h6 (mm)	2110
4.8	Seat height/stand height	h7 (mm)	985
4.10	Height of wheel arms	h8 (mm)	310
4.19	Overall length	l1 (mm)	2407
4.20	Length to face of forks	l2 (mm)	1257
4.21	Overall width	b1/b2 (mm)	1234 / 1250
4.22	Fork dimensions ISO 2331	s/e/l (mm)	100x45x1150
4.23	Fork carriage ISO 2328, class/type A, B		2A
4.24	Fork carriage width	b3 (mm)	830
4.25	Distance between fork-arms	b5 (mm)	296/690
4.26	Distance between wheel arms/loading surfaces	b4 (mm)	922
4.28	Reach distance	l4 (mm)	412
4.31	Ground clearance, laden, below mast	m1 (mm)	75
4.32	Ground clearance, centre of wheelbase	m2 (mm)	75
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	2709
4.34.2	Aisle width for pallets 800 x 1200 lengthways	Ast (mm)	2781
4.35	Turning radius	Wa (mm)	1540
4.37	Length across wheel arms	l7 (mm)	1638
5.1	Travel speed, laden/unladen	km/h	10
5.2	Lift speed, laden/unladen	m/s	0,44/0,66
5.3	Lowering speed, laden/unladen	m/s	0,55/0,44
5.4	Reaching speed, laden/unladen	m/s	0,12/0,12
5.7	Gradeability, laden/unladen	%	4,5/8,2
5.8	Max gradeability, laden/unladen	%	10/10
6.1	Drive motor rating S2 60 min	kW	6.5
6.2	Lift motor rating at S3 15%	kW	11.5
6.3	Battery according to DIN 43531/35/36 A, B, C, no		43531C
6.4	Battery voltage/nominal capacity K5	V/Ah	48/465
6.5	Battery weight	kg	939
6.6	Energy consumption according to VDI cycle	kWh/h	3.13
10.1	Operating pressure for attachments	bar	200
10.2	Oil volume for attachments	l/min	6.5
10.7	Sound pressure level at driver's seat	dB (A)	64



KBR 14

Mast type	H3	Capacity - Load center 600 mm	H1	H4	H2	Tilting angle Front/back
VFHM triplex	5755	1400	2476	6495	1627	2/4
	6255	1400	2910	6995	2061	2/4
	6955	1400	2910	7695	2061	2/4
	7255	1400	3376	8295	2527	2/4
	7555	1350	3376	8295	2527	2/4
	8255	1150	3376	8995	2527	2/4
	8555	900	3910	9295	3061	2/4

## KBR 14-20



The KBR 14-20 series provides a versatile selection to meet various load capacities and operational requirements. The line-up comprises the KBR 14, with a load capacity of 1.400 kg, the KBR 16L with load capacity of 1.600 kg and lifting heights up to 9,4 meters. The series is completed by the KBR 16 and KBR 20, designed to handle loads of 1.600 kg and 2.000 kg respectively, with lifting heights up to 10,6 meters.

Engineered to meet to the needs of warehouses and distribution centres, the KBR 14-20 series achieves extended autonomy using 48-Volt batteries with a capacity of up to 700 Ah.

Safety and stability are ensured by a robust chassis. The availability of numerous options for warning devices and lights enhances overall safety.

Operator comfort and accessibility are central to the KBR's design, featuring ergonomic controls and a user-centric cab layout. The mast and overhead guard design, along with the

integrated side shifter, ensures the operator's visibility of forks and loads for safe and efficient goods handling. Hydraulic functions are operated by mini levers, and the compact electric steering control enhances maneuverability. The seat and steering console are fully adjustable to accommodate drivers of different sizes.

The steering system offers four options to adapt to various driver preferences: 180° / 360°, combined with standard / inverse steering. Additionally, the operator is supported by a height indicator and height selector, contributing to enhanced driver comfort and safe, efficient goods handling.

A state-of-the-art electronic controller governs all electric and hydraulic functions, ensuring safe and silent operations combined with energy efficiency.

### Technology:

- ✓ Fork carriage with integrated side shifter for efficient goods handling
- ✓ Battery options to suit every type of application: 48-volt batteries with capacities ranging from 465 Ah to 700 Ah
- ✓ Drive and lift motors with AC technology ensure maintenance-free operations
- ✓ Wide range of warning devices and lights available for enhanced safety

### Ergonomics and Workplace:

- ✓ Ergonomic driver compartment with an adjustable seat and steering console position.
- ✓ Color screen display for quick access to key information on the truck's status.
- ✓ The design of the mast and overhead guard ensures visibility of forks and load.
- ✓ Electronic forward/reverse switch for fast and easy inversion of the driving direction
- ✓ Hydraulic mini levers easy and intuitive to operate
- ✓ Electric steering system that adapts to various driver preferences.
- ✓ Height indicator and selector for enhanced driver comfort, safer, and faster goods handling.

