Baoli
KBO 01L

1.1	Manufacturer		KION BAOLI
1.2	Manufacturer's type designation		KBO 01L
1.3	Drive: electric, diesel, petrol, fuel gas		Electric
1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Multifunction Vehicle
1.5	Rated capacity / Rated load	Q (t)	0.09
1.6	Load centre distance	c (mm)	-
1.8	Load distance, centre of drive axle to fork	x (mm)	-
1.9	Wheelbase	y (mm)	1095
2.1	Service weight	Kg	800
2.2	Axle loading, laden front/rear	Kg	590/410
2.3	Axle loading, unladen front/rear	Kg	380/420
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		PU+PU/R
3.2	Tyre size, front		Ø 210x70
3.3	Tyre size, rear		Ø 250x100
3.4	Additional wheels (dimensions)		Ø 74x48
3.5	Wheels, number front/rear (x = driven wheels)		1x+2/2
3.6	Tread, front	b10 (mm)	545
3.7	Tread, rear	b11 (mm)	640
4.2	Height, mast lowered	h1 (mm)	1375
4.3	Free lift	h2 (mm)	-
4.4	Lift	h3 (mm)	3620
4.5	Heigh, mast extended	h4 (mm)	4100
4.14	Stand height, elevated	h12 (mm)	3000
4.15	Height, lowered	h13 (mm)	-
4.19	Overall length	l1 (mm)	1440
4.20	Length to face of forks	l2 (mm)	-
4.21	Overall width	b1/b2 (mm)	750
4.22	Fork dimensions ISO 2331	s/e/l (mm)	-
4.25	Distance between fork-arms	b5 (mm)	-
4.32	Ground clearance, centre of wheelbase	m2 (mm)	35
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	-
4.34.2	Aisle width for pallets 800 x 1200 lenghtways	Ast (mm)	-
4.35	Turning radius	Wa (mm)	1260
5.1	Travel speed, laden/unladen	km/h	6/6,5
5.2	Lift speed, laden/unladen	m/s	0,220/0,270
5.3	Lowering speed, laden/unladen	m/s	0,310/0,250
5.8	Max gradeability, laden/unladen	%	1,85/1,8
5.10	Service brake		Electromagnetic
6.1	Drive motor rating S2 60 min	kW	0.65
6.2	Lift motor rating at S3 15%	kW	2.2
6.3	Battery according to DIN 43531/35/36 A, B, C, no		-
6.4	Battery voltage/nominal capacity K5	V/Ah	24/135
6.5	Battery weight	kg	50
6.6	Energy consumption according to VDI cycle	kWh/h	0.387
8.1	Type of drive unit		DC
10.7	Sound pressure level at driver's seat	dB (A)	74

5000

H4

H3

485

Q1

Q3

1060

H1

H12

Q2

425

H7

15

m2

y

Wa

740

B10

B11

B1

540

L1

a/2

Ast
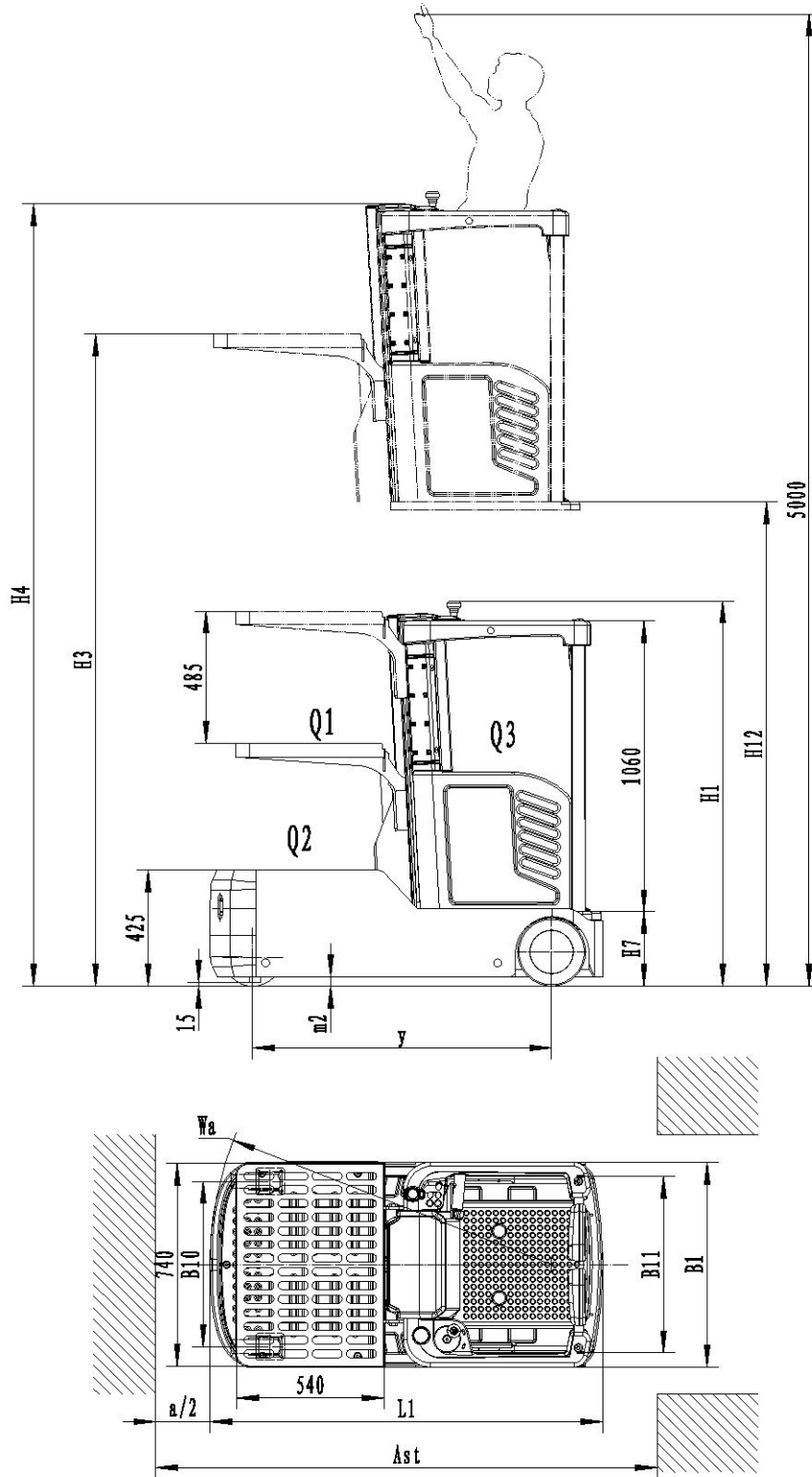
KBO 01L

The KBO 01L is the new Baoli multifunctional vehicle, representing a new generation of trucks, able to guarantee optimal handlings in smaller volumes. If compared to its competitors the KBO 01L excels for a really intuitive interface. Indeed instead of complicated turning systems our truck offers a very simple steering wheel, making very easy and precise any movements inside narrower aisles and cornering. This increases a lot the operator safety preserving the goods as well. Thanks to its very compact design and low weight this truck has been designed for very narrow aisles, and it's really perfect for any retail environment. With an up to 5,0 m picking heights and 90kg of load capacity, the KBO is always guaranteeing a very good efficiency when goods need to be picked or stored in shelves and racks and whenever is needed a 3m elevating platform.

Safety comes first, as usual for Baoli, with this truck. Reduced travel speed and automatically locked doors when operator platform is lifted, sensors on the handles to detect operator's correct driving position, emergency control of the lifting function and emergency valve for lowering the operator platform are true safety factors.
Everything comes easy with this truck, without forgetting the operator comfort as well: an optimized operator drive place, with the comfortable platform, the storage compartments and with the already mentioned user-friendly controls, allows less efforts during the working day. Proportional drive controls allow to perfectly manage the traction functions and the electric lifting platform of the truck. A maintenance free Lithium-ion battery and on-board charger guarantee a high truck availability.

Technology

- ✔ Picking height of up to 5000 mm
- ✔ Elevating working platform up to 3000 mm
- ✔ Ergonomic designed compartment and user-friendly controls
- ✔ Lithium-ion battery and on board charger
- ✔ Reduced travel speed and automatically locked doors when operator plaftform is lifted
- ✔ Sensors on the handles to detect operator's correct driving position
- ✔ Proportional drive controls.