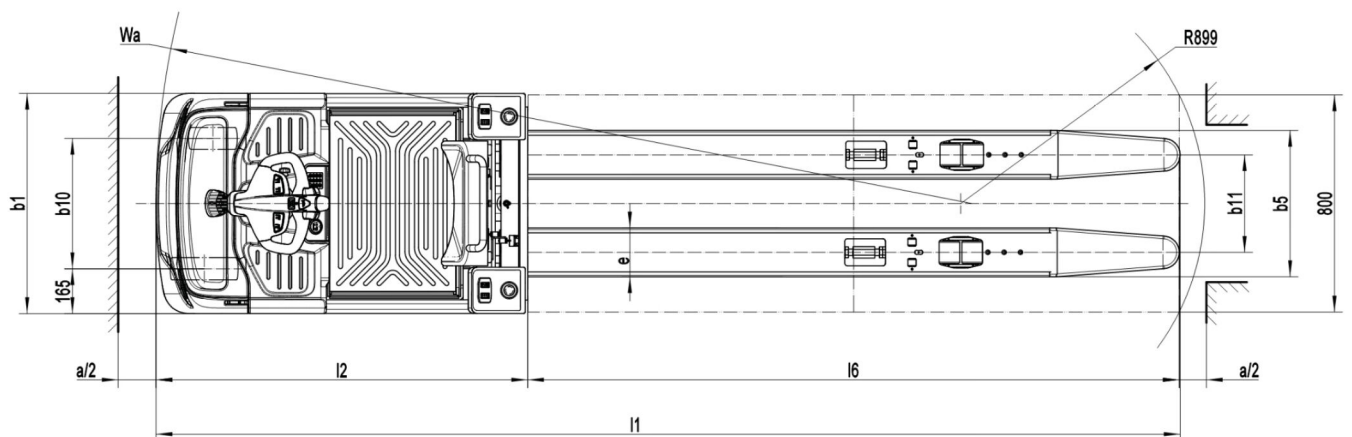
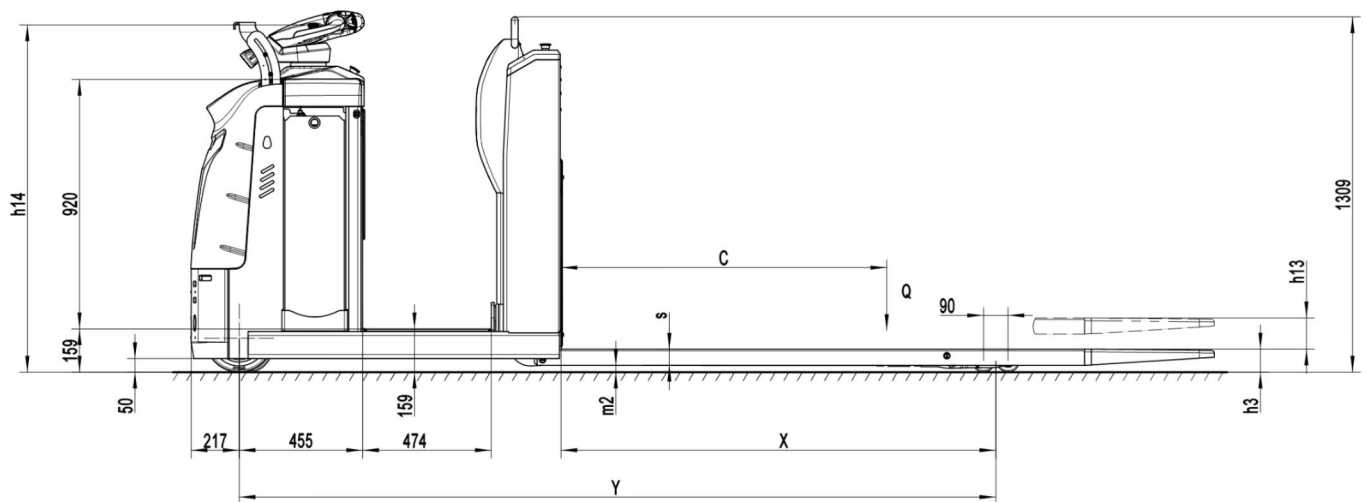


Baoli

KBO 20



1.1	Manufacturer		KION BAOLI	KION BAOLI
1.2	Manufacturer's type designation		KBO 20	KBO 20Li
1.3	Drive: electric, diesel, petrol, fuel gas		Electric	Electric
1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Standing	Standing
1.5	Rated capacity / Rated load	Q (t)	2,0	2,0
1.6	Load centre distance	c (mm)	600-1200	600-1200
1.8	Load distance, centre of drive axle to fork	x (mm)	817-1535	817-1535
1.9	Wheelbase	y (mm)	2003-2723	2003-2723
2.1	Service weight	Kg	1250-1330	1250-1330
2.2	Axle loading, laden front/rear	Kg	1502/1748-1524/1806	1502/1748-1524/1806
2.3	Axle loading, unladen front/rear	Kg	917/333-938/392	917/333-938/392
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		PU	PU
3.2	Tyre size, front		Ø 250x80	Ø 250x80
3.3	Tyre size, rear		Ø 82x82	Ø 82x82
3.4	Additional wheels (dimensions)		Ø 180x80	Ø 180x80
3.5	Wheels, number front/rear (x = driven wheels)		1+1x/4	1+1x/4
3.6	Tread, front	b10 (mm)	480	480
3.7	Tread, rear	b11 (mm)	360-505	360-505
4.4	Lift	h3 (mm)	115	115
4.9	Height drawbar in driving position min/max	h14 (mm)	1280	1280
4.15	Height, lowered	h13 (mm)	85	85
4.19	Overall length	l1 (mm)	2520-3770	2520-3770
4.20	Length to face of forks	l2 (mm)	1370	1370
4.21	Overall width	b1/b2 (mm)	810	810
4.22	Fork dimensions ISO 2331	s/e/l (mm)	60/180/1150-2440	60/180/1150-2440
4.25	Distance between fork-arms	b5 (mm)	540-685	540-685
4.32	Ground clearance, centre of wheelbase	m2 (mm)	25	25
4.34	Aisle width predetermined load dimensions	Ast (mm)	2960-3970	2960-3970
4.35	Turning radius	Wa (mm)	2245-2965	2245-2965
5.1	Travel speed, laden/unladen	km/h	8/12	8/12
5.2	Lift speed, laden/unladen	m/s	0,020/0,064	0,020/0,064
5.3	Lowering speed, laden/unladen	m/s	0,600/0,400	0,600/0,400
5.8	Max gradeability, laden/unladen	%	-	-
5.10	Service brake		Regenerative	Regenerative
6.1	Drive motor rating S2 60 min	kW	2.5	2.5
6.2	Lift motor rating at S3 15%	kW	2.2	2.2
6.3	Battery according to DIN 43531/35/36 A, B, C, no		-	-
6.4	Battery voltage/nominal capacity K5	V/Ah	24/345-465	24/300
6.5	Battery weight	kg	299/352	377
6.6	Energy consumption according to VDI cycle	kWh/h	0.55	
8.1	Type of drive unit		AC	AC
10.7	Sound pressure level at driver's seat	dB (A)	<70	<70





The KBO 20 and KBO 20Li are powerful low-level order pickers designed for efficient order picking and horizontal transport in medium-sized and large warehouses. With a load capacity of 2.000 kg and travel speeds of up to 12 km/h, they are ideal for distribution, e-commerce fulfilment, food and beverage logistics, automotive operations, and production supply.

The maintenance-free AC drive motor delivers high performance while minimising service requirements. The KBO 20 is equipped with 24 V lead-acid batteries with capacities of 375 Ah or 465 Ah. Side battery extraction is included as standard for quick battery replacement. The KBO 20Li features a maintenance-free 24 V / 300 Ah lithium-ion battery with opportunity charging capability.

The spacious operator platform offers a low step-in height and wide access from both sides for fast entry and exit during frequent picking operations. The suspended platform reduces vibrations, while electrically assisted steering improves comfort and manoeuvrability. Additional drive and fork controls on both sides allow pedestrian operation over short distances, increasing picking efficiency and reducing operator effort.

Technology

- ✓ Powerful drive motor enables fast goods handling at speeds of up to 12 km/h
- ✓ Side extraction of the lead-acid battery enables quicker replacement and higher truck availability
- ✓ Opportunity charging with lithium-ion batteries increases truck availability
- ✓ Spacious and low step-in driver platform eases access and reduces operator fatigue
- ✓ Suspended platform reduces vibrations and improves operator comfort
- ✓ Electric steering reduces operator effort
- ✓ Automatic curve speed reduction enhances operational safety
- ✓ Pedestrian controls speed up short-distance order-picking tasks
- ✓ Metal motor cover and optional metal bumper reduce impact damage and maintenance costs

A robust metal motor cover protects key components and helps reduce maintenance costs. An optional metal plate bumper provides additional impact protection.

Automatic curve speed reduction improves safety and truck stability. The standard front blue spotlight and optional warning devices further enhance safe operation.

The KBO 20 and KBO 20Li provide a reliable, comfortable, and cost-effective solution for low-level order picking and horizontal goods transport.

