

»» 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 155 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.

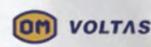
KION
GROUP



STILL



DEMATIC



ER 16/20 Electric Reach Truck

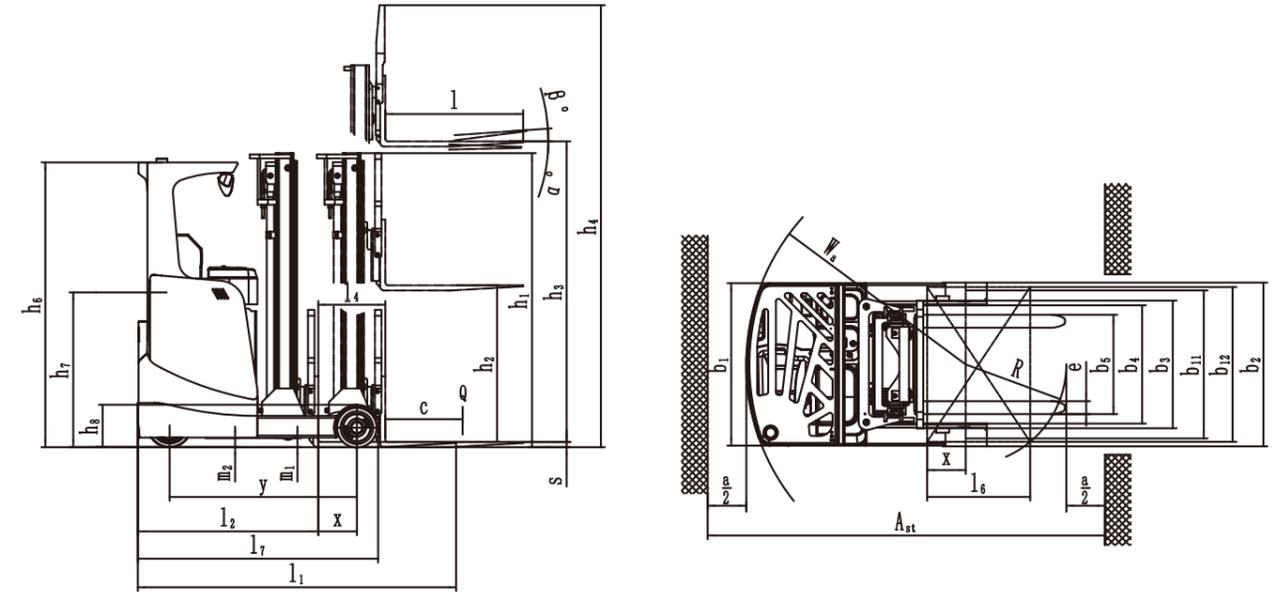


>> Specifications

	Item Description	Unit	Design value	
			ER16-121	ER20-121
Characteristics	1.1 Manufacturer		Baoli	Baoli
	1.2 Model		ER16-121	ER20-121
	1.3 Power Unit		Battery	Battery
	1.4 Operation		Seated	Seated
	1.5 Load capacity / Load	Q (kg)	1600	2000
	1.6 Load centre distance	c (mm)	600	600
	1.9 Wheelbase	y (mm)	1454	1524
Weights	2.1 Service weight	(kg)	3240	3245
	2.2 Axle load, fork advanced, with load, front / rear	(kg)	-	-
	2.3 Axle load, fork retracted, front / rear	(kg)	-	-
Wheels/tyres	2.4 Axle load, fork advanced, without load, front / rear	(kg)	-	-
	2.5 Axle load, fork retracted, without load, front / rear	(kg)	-	-
	3.1 Tyres rubber, SE, pneumatic, polyurethane		Polyurethane	Polyurethane
	3.2 Tyre size, front		343x140	343x140
	3.3 Tyre size, rear		310x118	310x118
	3.5 Wheels, number front/rear (x = driven)		2/1x	2/1x
Dimensions	3.6 Tread width, front	b10 (mm)	0	0
	3.7 Tread width, rear	b11 (mm)	1148	1148
	4.1 Mast / fork carriage tilt, forward / backward	a/b (°)	2/4	2/4
	4.2 Height of mast, lowered	h1 (mm)	1980	1980
	4.3 Free lift	h2 (mm)	915	915
	4.4 Lift	h3 (mm)	4050	4050
	4.5 Height of mast, extended	h4 (mm)	5115	5115
	4.7 Height of overhead guard (cabin)	h6 (mm)	2210	2210
	4.8 Height of seat / stand on platform	h7 (mm)	1200	1200
	4.10 Height of wheel arms	h8 (mm)	330	330
	4.20 Length to fork face	l2 (mm)	1428	1428
	4.21 Overall width	b1/b2 (mm)	1260 / 1270	1260 / 1270
	4.22 Fork dimensions DIN ISO 2331	s / e / l (mm)	40x100x1070	40x120x1070
	4.23 Fork carriage to ISO 2328, class / type A, B		ISO II/A	ISO II/A
	4.24 Width of fork carriage	b3 (mm)	990	990
	4.25 Distance between fork-arms	b5 (mm)	200/770	240/740
	4.26 Distance between wheel arms/loading surfaces	b4 (mm)	915	915
	4.28 Reach distance	l4 (mm)	495	490
	4.31 Ground clearance, below mast	m1 (mm)	70	70
	4.32 Ground clearance, centre of wheelbase	m2 (mm)	70	70
Performance	4.34.1 Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	2847	2913
	4.34.2 Aisle width with pallet 800 x 1200 along forks	Ast (mm)	2914	2980
	4.35 Turning radius	Wa (mm)	1705	1770
Drive	5.1 Travel speed, with / without load	(km/h)	10/11	9/9.5
	5.2 Lifting speed, with / without load	(m/s)	0.45/0.52	0.40/0.45
Drive	5.3 Lowering speed, with / without load	(m/s)	0.45/0.38	0.44/0.40
	5.4 Lowering speed, with / without load	(m/s)	0.1/0.1	0.1/0.1
	5.8 Max. gradeability, with / without load (5 minute)	(%)	10/15	10/15
Others	5.10 Service brake		Electromagnetic	Electromagnetic
	6.1 Drive motor rating S2 60 min	(kW)	6.4	6.4
	6.2 Lift motor rating at S3 15%	(kW)	11	13
	6.3 Maximum allowed size battery	(mm)	1220x355x778	1220x427x778
	6.4 Battery voltage	(V/Ah)	48/500	48/700
	6.5 Battery weight	(kg)	925	925
	8.1 Drive control		AC	AC
10.5 Steering type		Electronic	Electronic	
10.7 Sound pressure level LpAZ (at the driver's seat)	(dB(A))	75	75	

>> Mast Specifications

ER 16/20								
Mast type	Max. height	Rated capacity load center 600mm		Lowered mast height	Free-lift height		Extended mast height	
		ER16-121	ER-20-121		with load backrest	without load backrest	with load backrest	without load backrest
	mm	(kg)	(kg)	mm	mm	mm	mm	mm
VM Standard wide-view	4050	1600	2000	1980	915	1350	5115	4680
	4500	1600	1900	2130	1065	1500	5565	5130
	5000	1500	1800	2280	1215	1700	6065	5580
	5500	1400	1700	2450	1385	1860	6565	6090
VFHM Full free triplex	6000	1300	1600	2630	1565	2000	7065	6630
	6500	1200	1500	2780	1715	2200	7565	7080
	7000	1100	1400	3050	1985	2440	8065	7610
	7500	1000	1300	3220	2155	2640	8565	8120
	8000	900	1200	3390	2325	2800	9065	8590
	8500	800	1100	3610	2545	3020	9565	9090
	9000	700	1000	3770	2705	3150	10065	9590
	9500	600	900	3940	2875	3340	10565	10090



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.