



# KBE 1.5-3.5 t

Electric Trucks

KBET 15 KBET 18 KBET 20 KBE 15 KBE 18  
KBE 20 KBE 25 KBE 30 KBE 35



		KION BAOLI	KION BAOLI
1.1	Manufacturer		
1.2	Manufacturer's type	<b>KBET 15</b>	<b>KBET 18</b>
1.3	Drive	Electric	Electric
1.4	Operator type	Seated	Seated
1.5	Rated capacity/rated load	Q kg	1500
1.6	Load centre distance	c mm	500
1.8	Load distance, centre of drive axle to fork	x mm	365
1.9	Wheel base	y mm	1295
2.1	Service weight	kg	3130
2.2	Axle loading, laden front	kg	3900
2.2	Axle loading, laden rear	kg	730
2.2	Axle loading, unladen front	kg	1500
2.2	Axle loading, unladen rear	kg	1630
3.1	Tyres	S/E	S/E
3.2	Tyre size, front	18x7-8	18x7-8
3.3	Tyre size, rear	16x6-8	16x6-8
3.5	Wheels, number front (x = driven wheels)	2x	2x
3.5.1	Wheels, number rear	2	2
3.6	Tread, front	b10 mm	890
3.7	Tread, rear	b11 mm	205
4.1	Tilt of mast/fork carriage forward	α %	5
4.1	Tilt of mast/fork carriage backward	β %	7
4.2	Height, mast lowered	h1 mm	1985
4.3	Free lift	h2 mm	122
4.4	Lift	h3 mm	3000
4.5	Height, mast extended	h4 mm	3945
4.7	Height of overhead guard (cabin)	h6 mm	2015
4.8	Seat height relating to SIP/stand height	h7 mm	958
4.12	Coupling height	h10 mm	600
4.19	Overall length	l1 mm	2850
4.20	Length to face of forks	l2 mm	1930
4.21	Overall width	b1 mm	1066
4.22	Fork dimensions DIN ISO 2331	s mm	35
4.22	Fork dimensions DIN ISO 2331	e mm	120
4.22	Fork dimensions DIN ISO 2331	l mm	920
4.23	Fork carriage ISO 2328, class/type A, B	ISO 2A	ISO 2A
4.24	Fork-carriage width	b3 mm	968
4.31	Ground clearance, laden, below mast, laden/unladen	m1 mm	120
4.32	Ground clearance, centre of wheelbase, laden/unladen	m2 mm	110
4.34.1	Working aisle width with pallet 1000 x 1200 crossways	Ast mm	3025
4.34.2	Working aisle width with pallet 800 x 1200 lengthways	Ast mm	3225
4.35	Turning radius	Wa mm	1550
5.1	Travel speed, laden	km/h	14
5.1	Travel speed, unladen	km/h	15,5
5.2	Lift speed, laden	mm/s	300
5.2	Lift speed, unladen	mm/s	470
5.3	Lowering speed, lade	m/s	460
5.7	Gradeability, laden	%	20
5.7	Gradeability, unladen	%	20
5.10	Service brake	Electr./mech	Electr./mech
6.1	Drive motor rating S2 60 min	kW	2x6.5
6.2	Lift motor rating at S3 15 %	kW	15
6.4	Battery voltage	V	48
6.4.1	nominal capacity C5	C5 Ah	505/560
6.5	Battery weight	kg	860~985
8.1	Drive control	AC+AC	AC+AC
8.2	Operating pressure for attachments	bar	160
8.4	Sound pressure level at the driver's seat	dB(A)	≤75



KBET 15/18								
Mast type	h3	Rated capacity		Height		Free-lift height		Mast angle
		Load center 500mm		h1	h4	Without load Carriage	Without load Carriage	
		1,5t	1,8t					Front/back
VM Tele	3000			2005	4042	122	122	5/7
	3300	1500	1800	2145	4342	122	122	
	3500			2245	4542	122	122	
	4000	1300	1600	2545	5042	122	122	
VFM 2 stage	3000			2005	4042	1500	993	5/7
	3300	1500	1800	2145	4342	1650	1143	
	3500			2245	4542	1690	1243	
	4000	1300	1600	2545	5042	1890	1543	
VFHM triplex	4000	1300	1500	1940	5042	1400	938	3/5
	4350	1280	1400	2065	5392	1525	1063	
	4500	1250	1400	2115	5542	1575	1183	
	4700	1250	1300	2185	5742	1645	1183	
	4800	1200	1300	2215	5842	1745	1213	
	5000	1100	1200	2315	6042	1775	1313	
	5400	900	1000	2440	6442	1900	1483	
	5500	750	850	2465	6542	1925	1463	
6000	500	650	2665	7042	2125	1663		

KBET 20								
Mast type	h3	Rated capacity		Height		Free-lift height		Mast angle
		Load center 500mm		h1	h4	Without load Carriage	Without load Carriage	
		2,0t						Front/back
VM Tele	3000	2000		2007	4030	98	-	5/7
	3300	2000		2157	4330	98	-	
	3500	2000		2257	4530	98	-	
	4000	2000		2557	4630	98	-	
VFHM triplex	4000	2000		2000	5034	1349	959	3/5
	4350	2000		2125	5384	1474	1084	
	4500	1950		2175	5532	1524	1134	
	4700	1900		2240	5728	1589	1199	
	5000	1800		2418	6032	1767	1377	
	5400	1700		2618	6432	1967	1577	
	5500	1700		2652	6532	2001	1611	
	6000	1600		2885	7032	2234	1844	

KBE 15J/18								
Mast type	h3	Rated capacity		Height		Free-lift height		Mast angle
		Load center 500mm		h1	h4	Without load Carriage	Without load Carriage	
		1,5t	1,8t					Front/back
VM Tele	3000			1995	4042	120	120	6/12
	3300	1500	1750	2145	4342	120	120	
	3500			2245	4542	120	120	
	4000	1400	1600	2545	5042	120	120	
VFM 2 stage	3000			1995	4042	1475	993	6/12
	3300	1500	1750	2145	4342	1625	1143	
	3500			2245	4542	1725	1243	
	4000	1400	1600	2545	5042	2025	1543	
VFHM triplex	4350	1250	1450	2055	5390	1525	1055	6/6
	4500	1200	1400	2105	5540	1575	1105	
	4700	1100	1250	2175	5740	1645	1175	
	4800	1100	1250	2205	5840	1675	1205	
	5000	900	1000	2305	6040	1775	1305	
	5400	600	700	2430	6440	1900	1430	
	5500	500	600	2455	6540	1925	1455	
	6000	400	450	2655	7040	2125	1655	



KBE 20/25								
Mast type	h3	Rated capacity		Height		Free-lift height		Mast angle
		Load center 500mm		h1	h4	Without load Carriage	Without load Carriage	Front/back
		2t	2.5t					
VM Tele	3000			2050	4040	100	100	
	3300	2000	2500	2200	4340	100	100	6/12
	3500			2300	4540	100	100	
	4000	1900	2300	2600	5040	100	100	6/8
	4500	1600	1800	2850	5540	100	100	
	5000	1100	1300	3100	6040	100	100	3/6
VFM 2 stage	3000			2050	4040	1460	1050	
	3300	2000	2500	2200	4340	1610	1200	6/12
	3500			2300	4540	1710	1300	
	4000	1900	2300	2600	5040	2010	1600	6/8
	4500	1600	1800	2850	5540	2260	1850	6/6
VFHM triplex	4000	1800	2200	1975	5040	1362	975	
	4350	1700	1900	2100	5390	1487	1100	
	4500	1600	1800	2150	5540	1537	1150	
	4700	1400	1600	2215	5740	1602	1215	6/6
	4800	1400	1600	2250	5840	1637	1250	
	5000	1300	1400	2393	6040	1780	1393	
	5400	1100	1200	2593	6440	1980	1593	
	5500	1100	1100	2627	6540	2014	1627	3/6
	6000	600	700	2860	7040	2247	1860	
	6180			2920	7220	2306	1920	
6500			3093	7540	2479	2093	3/3	

KBE 30								
Mast type	h3	Rated capacity		Height		Free-lift height		Mast angle
		Load center 500mm		h1	h4	Without load Carriage	Without load Carriage	Front/back
		3t						
VM Tele	3000			2040	4273	100	100	
	3300	3000		2190	4573	100	100	6/10
	3500			2290	4773	100	100	
	4000	2850		2590	5273	100	100	6/8
	4500	2500		2840	5773	100	100	6/6
VFM 2 stage	3000			2040	4273	1377	807	
	3300	3000		2190	4573	1527	957	6/10
	3500			2290	4773	1627	1057	
	4000	2850		2590	5273	1927	1357	6/8
	4500	2500		2840	5773	2117	1607	6/6
VFHM triplex	4000	2750		1965	5273	1350	732	
	4350	2600		2090	5623	1475	857	
	4500	2400		2140	5773	1525	907	
	4700	2200		2205	5973	1590	972	6/6
	4800	2200		2240	6073	1625	1007	
	5000	2000		2383	6273	1768	1150	
	5400	1500		2583	6673	1968	1350	
	5500	1500		2617	6773	2002	1384	3/6
	6000	1100		2850	7273	2235	1617	

KBE 35								
Mast type	h3	Rated capacity		Height		Free-lift height		Mast angle
		Load center 500mm		h1	h4	Without load Carriage	Without load Carriage	Front/back
		3t						
VM Tele	3000			2230	4273	100	100	
	3300	3500		2380	4573	100	100	6/12
	3500			2480	4773	100	100	
	4000	3200		2780	5273	100	100	6/8
	4500	2600		3030	5773	100	100	6/6
	5000	2100		3280	6273	100	100	3/6
VFM 2 stage	3000			2080	4273	1422	852	
	3300	3500		2230	4573	1572	1002	6/12
	3500			2330	4773	1672	1102	
	4000	3200		2630	5273	1972	1402	6/8
	4500	2600		2880	5773	2222	1652	6/6
VFHM triplex	4000	3200		2005	5273	1246	777	
	4350	3000		2130	5623	1371	902	
	4500	3000		2180	5773	1421	952	
	4700	2500		2245	5973	1486	1017	6/6
	4800	2500		2280	6073	1521	1052	
	5000	2400		2423	6273	1664	1195	
	5400	1750		2623	6673	1864	1395	
	5500	1750		2657	6773	1898	1429	3/6
	6000	1200		2890	7273	2131	1662	