



KB 4.0-5.0 t

Diesel trucks

KB 40 KB 50



1.1	Manufacturer		KION Baoli	KION Baoli
1.2	Model designation		KB 40	KB 50
1.3	Power type, Electric-Diesel-Petrol-LPG-Network Power (Electric)		Diesel	Diesel
1.4	Operation Type:Hand-stand on-Driver seated		Seated	Seated
1.5	Load Capacity	Q (Kg)	4000	5000
1.6	Load Barycenter Distance	C (mm)	500	500
1.8	Axle centre to fork face	X (mm)	562	567
1.9	Wheel Base	Y (mm)	2000	2000
2.1	Service Weight	Kg	6380	6980
2.2	Axle weight with Rated Load front/rear	Kg	9270/1250	10800/1320
2.3	Axle weight without Load front/rear	Kg	3020/3360	2900/4080
3.1	Tyres:SE-Super elastic PN-Pneumatic		PN	PN
3.2	Front Tyres Size		300-15-20PR	300-15-20PR
3.3	Rear Tyres Size		7.00-12-12PR	7.00-12-12PR
3.6	Front Track Width	b10 (mm)	1180	1180
3.7	Rear Track Width	b11 (mm)	1190	1190
4.1	Mast lift,forward/backward	α/β	6°/12°	6°/12°
4.2	Mast Minimum Overall Height	h1 (mm)	2390	2390
4.3	Free lift	h2 (mm)	150	155
4.4	Lift height	h3 (mm)	3000	3000
4.5	Mast Maximum Overall Height	h4 (mm)	4275	4275
4.7	Overhead Guard Height	h6 (mm)	2260	2260
4.8	Seat Height	h7 (mm)	1280	1280
4.12	Drawbar Height	h10 (mm)	380	380
4.19	Overall Length	L1 (mm)	4180	4230
4.20	Lenght to Face of Forks	L2 (mm)	3110	3160
4.21	Overall Width	b1 (mm)	1485	1485
4.22	Fork Arms Dimensions	s/e/l (mm)	50/140/1070	55/150/1070
4.23	Fork Carriage in Compliance with ISO 2328 Class/Form A, B		A	A
4.24	Fork Carriage Width	b3 (mm)	1380	1380
4.31	Ground Clearance below Mast (with load)	m1 (mm)	145	145
4.32	Ground Clearance Centre of Wheelbase (with load)	m2 (mm)	180	180
4.34.1	Aisle width for pallets 1000X1200 crossways	Ast (mm)	4627	4667
4.34.2	Aisle width for pallets 800X1200 lengthways	Ast (mm)	4627	4667
4.35	Turning Radius	Wa (mm)	2760	2800
4.36	Turning Point Minimum Distance from the Truck Center Line	b13 (mm)	900	900
5.1	Drive Speed with/without load	km/h	23/25	23/25
5.2	Lifting Speed with/without load	mm/s	400/500	400/500
5.3	Lowering Speed with/without load	mm/s	420/320	420/320
5.5	Drawbar Pull Tractive Effort (at 2km/h) with/without load	KN	26/20	26/20
5.7	Gradeability (at 2km/h) with/without load	%	20/25	20/25
5.10	Service Brake		Mech/hydr.	Mech/hydr.
7.1	Engine Manufacturer/Engine Type		CUMMINGS QSF2.8	CUMMINGS QSF2.8
7.2	Engine Power in compliance with ISO 1585	Kw	55	55
7.3	Rated Number of Revolutions	/min	2200	2200
7.4	Cylinder Number/Displacement	cm³	4/2800	4/2800
7.5	Fuel Consumption in compliance with VDI-Cycle	l/h	11	13
8.1	Drive Control Type		Hydrodynamic	Hydrodynamic
10.4	Volume fuel tank	l/kg	90/75	90/75
10.8	Drawbar, model/Type DIN		Pin	Pin

KB 40-50

Mast type	h3	Rated capacity				Height		Free-lift height		Mast angle
		Load center 500mm				h1	h4	Without load carriage	With load carriage	
		4t	Twin tyres	5t	Twin tyres					Front/back
VM Tele	3000					2390	4275	150	150	6/6
	3300	4000		5000		2540	4575	150	150	
	3500					2640	4775	150	150	
	4000	3800	4000	4600	5000	2940	5275	150	150	
	4500	3500	4000	4500	4800	3190	5775	150	150	
	5000	3100	3700	4000	4600	3440	6275	150	150	
VFM 2 stage	2610					2195	3885	1349	970	6/12
	2700					2240	3975	1394	1015	
	3000	4000		5000		2390	4275	1544	1165	
	3300					2540	4575	1694	1315	
	3500					2640	4775	1794	1415	
	4000	3800	4000	4600	5000	2890	5275	2044	1665	
VFHM Triplex	3920	3900	4000	4800	5000	2245	5195	1399	1020	6/6
	4350	3800		4700		2390	5625	1544	1165	
	4500	3500	4500	2441	5775	1595	1216			
	4700	3400	4200	2507	5975	1661	1282			
	4800	3400	3700	4200	4600	2540	6075	1694	1315	
	5000	3000	3600	3800	4500	2640	6275	1794	1415	
	5400	2800	3400	3400	4300	2765	6675	1919	1540	
	6000	2000	3200	2500	4000	3005	7275	2159	1780	

