



KBD 40 - 50S

1.1	Manufacturer		KION BAOLI
1.2	Manufacturer's type designation		KBD 50S Kohler
1.3	Drive: electric, diesel, petrol, fuel gas		Diesel
1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated
1.5	Rated capacity / Rated load	Q (t)	5,0
1.6	Load centre distance	c (mm)	500
1.8	Load distance, centre of drive axle to fork	x (mm)	567
1.9	Wheelbase	y (mm)	2000
2.1	Service weight	Kg	6980
2.2	Axle loading, laden front/rear	Kg	10800/1320
2.3	Axle loading, unladen front/rear	Kg	2900/4080
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		PN
3.2	Tyre size, front		300-15-20PR
3.3	Tyre size, rear		7,00-12-12PR
3.6	Tread, front	b10 (mm)	1180
3.7	Tread, rear	b11 (mm)	1190
4.1	Tilt of mast/fork carriage forward/backward	α/β (°)	6/12
4.2	Height, mast lowered	h1 (mm)	2390
4.3	Free lift	h2 (mm)	155
4.4	Lift	h3 (mm)	3000
4.5	Height, mast extended	h4 (mm)	4275
4.7	Height of overhead guard (cabin)	h6 (mm)	2260
4.8	Seat height/stand height	h7 (mm)	1280
4.12	Coupling height	h10 (mm)	380
4.19	Overall length	l1 (mm)	4230
4.20	Length to face of forks	l2 (mm)	3160
4.21	Overall width	b1/b2 (mm)	1485
4.22	Fork dimensions ISO 2331	s/e/l (mm)	55/150/1070
4.23	Fork carriage ISO 2328, class/type A, B		III A
4.24	Fork carriage width	b3 (mm)	1380
4.31	Ground clearance, laden, below mast	m1 (mm)	145
4.32	Ground clearance, centre of wheelbase	m2 (mm)	180
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	4597
4.34.2	Aisle width for pallets 800 x 1200 crossways	Ast (mm)	4397
4.35	Turning radius	Wa (mm)	2830
4.36	Internal turning radius	b13 (mm)	900
5.1	Travel speed, laden/unladen	km/h	23/25
5.2	Lift speed, laden/unladen	m/s	0,450/0,500
5.3	Lowering speed, laden/unladen	m/s	0,400/0,320
5.5	Drawbar pull, laden/unladen	kN	20
5.7	Gradeability, laden/unladen	%	20
5.10	Service brake		Mech/Hydr
7.1	Engine manufacturer/type		Kohler KDI2504
7.2	Engine power according to ISO 1585	kW	55.4
7.3	Rated speed	min-1	2200
7.4	Number of cylinders/displacement	cm3	4/2482
7.5	Fuel consumption at turnover output	l/h or kg/h	-
7.9	Vehicle electrical system voltage	V	12
8.1	Type of drive unit		Hydrodynamic
10.4	Fuel tank, capacity	l/kg	90/75
10.8	Towing coupling, type DIN		Pin

Diesel and LPG trucks

KBD 50S Kohler										
Mast type	H3	Rated Capacity - Load center 500 mm	Rated Capacity - Load center 500 mm - with Hang-on Sideshift	Rated Capacity - Load center 500 mm - Twin tyres	Rated Capacity - Load center 500 mm - Twin tyres - with Hang-on Sideshift	H1	H4 with load backrest	H2 without load backrest	H2 with load backrest	Mast angle Front/back
VM Tele	3000	5000	4750	5000	4750	2390	4275	150	150	6/12
	3300	5000	4750	5000	4750	2540	4575	150	150	6/12
	3500	5000	4750	5000	4750	2640	4775	150	150	6/12
	4000	5000	4750	5000	4750	2940	5275	150	150	6/6
	4500	5000	4750	5000	4750	3190	5775	150	150	6/6
	5000	5000	4750	5000	4750	3440	6275	150	150	6/6
VFM 2 stage	2610	5000	4750	5000	4750	2195	3885	1349	970	6/12
	2700	5000	4750	5000	4750	2240	3975	1394	1015	6/12
	3000	5000	4750	5000	4750	2390	4275	1544	1165	6/12
	3300	5000	4750	5000	4750	2540	4575	1694	1315	6/12
	3500	5000	4750	5000	4750	2640	4775	1794	1415	6/12
	4000	5000	4750	5000	4750	2890	5275	2044	1665	6/12
VFHM triplex	3920	5000	4750	5000	4750	2245	5195	1399	1020	6/6
	4350	5000	4750	5000	4750	2390	5625	1544	1165	6/6
	4500	5000	4750	5000	4750	2441	5775	1595	1216	6/6
	4700	5000	4750	5000	4750	2507	5975	1661	1282	6/6
	4800	5000	4750	5000	4750	2540	6075	1694	1315	6/6
	5000	5000	4750	5000	4750	2640	6275	1794	1415	6/6
	5400	5000	4750	5000	4750	2765	6675	1919	1540	3/6
	6000	4450	4200	5000	4750	3005	7275	2159	1780	3/6

