

DIESEL



A Member of KION Group

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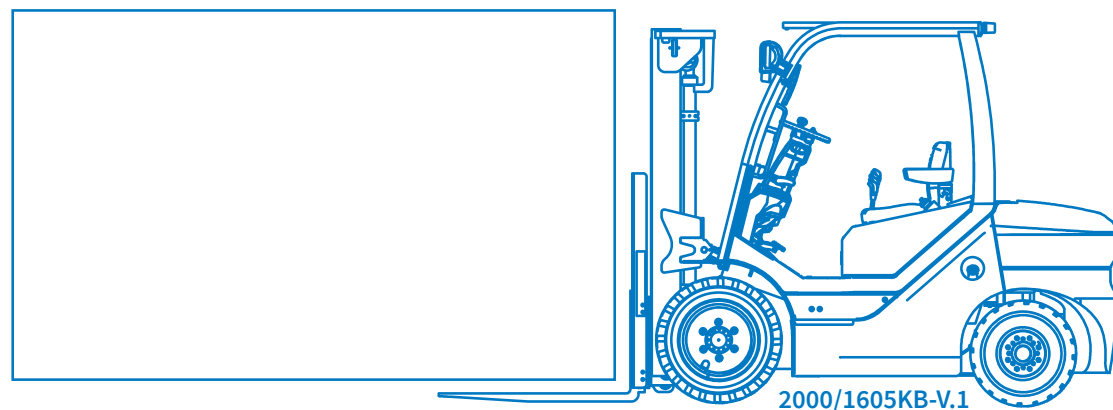
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Internal Combustion Forklift

D series

4.0t/ 4.5t/ 5.0t



Features



SUSPENSION CABIN
Removable suspension cabin for easy overhaul repairing



OPERATION LEVER
European style Side Control



A very clean view for both front and upright



HOUR METER
State-of-art hourmeter with multi functions



OPERATION PLATFORM
Large space leg room, with adjustable steering wheel and seat, ensuring the comfort of the operator.



STRUCTURE PAINTING TECHNOLOGY is a KION feature, help to improve safety and is easy to touch-up



DOWN CURVED COUNTER WEIGHT
Aggressively designed down curved counter weight with lowest gravity center and widest rear view among its kind



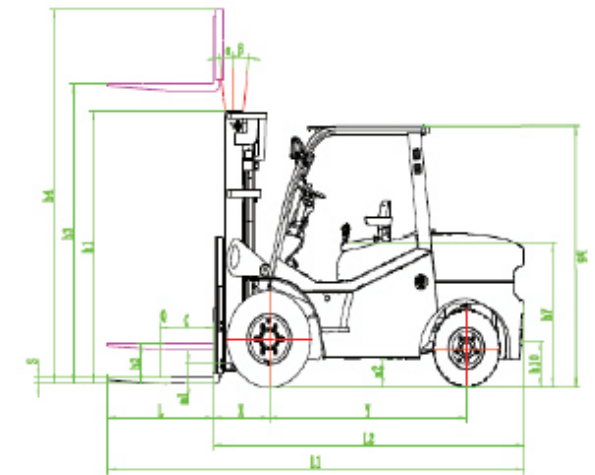
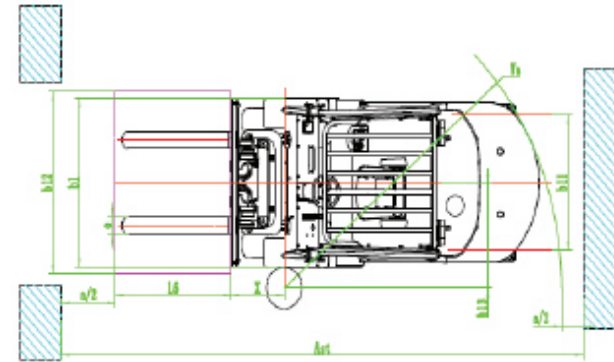
Mast Specifications



KB40/45/50												
Mast Type	Max Height	Rated capacity						height		free-lift height		mast angle
		load center 500mm						closed height	height with carriage	without carriage	with carriage	front/back
		4T	double tyres	4.5T	double tyres	5T	double tyres					
VM Standard wide-view	3000	4000	4000	4500	4500	5000	5000	2390	4275	150	150	6/12
	3300	4000	4000	4500	4500	5000	5000	2540	4575	150	150	
	3500	4000	4000	4500	4500	5000	5000	2640	4775	150	150	
	4000	3800		4250		4600	4800	2940	5275	150	150	6/6
	4500	3500	4000	3900	4300	4500		3190	5775	150	150	
	5000	3100	3700	3500	4200	4000	4600	3440	6275	150	150	
VFM Full free duplex	2610	4000	4000	4500	4500	5000	5000	2195	3885	1349	970	6/12
	2700	4000	4000	4500	4500	5000	5000	2240	3975	1394	1015	
	3000	4000	4000	4500	4500	5000	5000	2390	4275	1544	1165	
	3300	4000	4000	4500	4500	5000	5000	2540	4575	1694	1315	
	3500	4000	4000	4500	4500	5000	5000	2640	4775	1794	1415	
	4000	3800	4000	4350	4500	4600	5000	2890	5275	2044	1665	
VFHM Full free triplex	3920	3900		4400		4800		2245	5195	1399	1020	6/6
	4350	3800		4300		4700		2390	5625	1544	1165	
	4500	3500		3800		4500		2441	5775	1595	1216	
	4700	3400		3800		4200		2507	5975	1661	1282	
	4800	3400	3700	3800	4200	4200	4600	2540	6075	1694	1315	
	5000	3000	3600	3300	4100	3800	4500	2640	6275	1794	1415	
	5400	2800	3400	3000	3900	3400	4300	2765	6675	1919	1540	3/6
	6000	2000	3200	2200	3500	2500	4000	3005	7275	2159	1780	

Remark: This data would be changed under different working condition

Specifications



		ITEM DESCRIPTION	UNIT	DESIGN VALUE					
Specification	1.1	Manufacturer		KB40	KB40	KB45	KB45	KB50	KB50
	1.2	Model designation		KION Baoli	KION Baoli	KION Baoli	KION Baoli	KION Baoli	KION Baoli
	1.3	Power type: Electric-Diesel-Petrol-LPG-Network Power (Electric)		KB40	KB40	KB45	KB45	KB50	KB50S
	1.4	Operation Type: Hand-stand on-Driver seated		diesel	diesel	diesel	diesel	diesel	diesel
Weight	1.5	Load Capacity	Q(Kg)	Driver seated	Driver seated	Driver seated	Driver seated	Driver seated	Driver seated
	1.6	Load Barycenter Distance	C(mm)	4000	4000	2000	4500	5000	5000
	1.8	Axle centre to fork face	X(mm)	500	500	500	500	500	500
	1.9	Wheel Base	Y(mm)	562	562	567	567	567	567
wheels and tyres	2.1	Service Weight	kg	2000	2000	2000	2000	2000	2000
	2.2	Axle weight with Rated Load front/rear	kg	6380	6780	6700	7100	6980	7380
	2.3	Axle weight without Load front/rear	kg	9270/1250	9830/1250	10110/1230	10670/1230	10800/1320	11360/1320
	3.1	Tyres: SE-Super elastic PN-Pneumatic		3020/3360	3340/3440	2980/3720	3300/3800	2900/4080	3220/4160
Dimensions and Overall Sizes	3.2	Front Tyres Size		PN	PN	PN	PN	PN	PN
	3.3	Rear Tyres Size		300-15-20PR	300-15-20PR	300-15-20PR	300-15-20PR	300-15-20PR	300-15-20PR
	3.6	Front Track Width	b10 (mm)	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR
	3.7	Rear Track Width	b11 (mm)	1180	1180	1180	1180	1180	1180
	4.1	Mast lift,forward/backward	g/θ (°/Grad)	1190	1190	1190	1190	1190	1190
	4.2	Mast Minimum Overall Height	h1(mm)	6°/12°	6°/12°	6°/12°	6°/12°	6°/12°	6°/12°
	4.3	Free lift	h2(mm)	2390	2390	2390	2390	2390	2390
	4.4	Lift height	h3(mm)	150	150	155	155	155	155
	4.5	Mast Maximum Overall Height	h4(mm)	3000	3000	3000	3000	3000	3000
	4.7	Overhead Guard Height	h6(mm)	4275	4275	4275	4275	4275	4275
	4.8	Seat Height	h7(mm)	2260	2260	2260	2260	2260	2260
	4.12	Drawbar Height	h10(mm)	1280	1280	1280	1280	1280	1280
	4.19	Overall Length	L1(mm)	380	380	380	380	380	380
	4.20	Lenght to Face of Forks	L2(mm)	4180	4180	4180	4180	4230	4230
	4.21	Overall Width	b1(mm)	3110	3110	3110	3110	3160	3160
	4.22	Fork Arms Dimensions	s/e/l(mm)	1485	1485	1485	1485	1485	1485
	4.23	Fork Carriage in Compliance with ISO 2328 Class/Form A,B		50/140/1070	50/140/1070	55/140/1070	55/140/1070	55/150/1070	55/150/1070
	4.24	Fork Carriage Width	b3(mm)	A	A	A	A	A	A
	4.32	Ground Clearance below Mast(with load)	m1(mm)	1380	1380	1380	1380	1380	1380
	4.34.1	Ground Clearance Centre of Wheelbase(with load)	m2(mm)	145	145	145	145	145	145
Performance	4.34.2	Working Aisle Width with pallet 1000×1200 (1200 across forks)	Ast(mm)	180	180	180	180	180	180
	4.35	Working Aisle Width with pallet 800 × 1200 (1200 along forks)	Ast(mm)	4627	4627	4627	4627	4667	4667
	4.36	Turning Radius	Wa(mm)	4627	4627	4627	4627	4667	4667
	5.1	Turning Point Minimum Distance from the Truck Center Line	b13(mm)	2760	2790	2760	2790	2800	2830
Engine	5.2	Drive Speed with/without load	km/h	900	900	900	900	900	900
	5.3	Lifting Speed with/without load	mm/s	23/25	25.3/36.2	23/25	25.3/26.2	23/25	25.3/26.2
	5.5	Lowering Speed with/without load	mm/s	400/500	456/528	400/500	456/528	400/500	456/528
	5.7	Drawbar Pull Tractive Effort (at 2km/h) with/without load	KN	420/320	455/320	420/320	455/320	420/320	455/320
Others	5.10	Gradeability (at 2km/h) with/without load	%	26/20	24/20	26/20	24/20	26/20	24/20
	7.1	Service Brake		20/25	20	20/25	20	20/25	20
	7.2	Engine Manufacturer/Engine Type		Mechanical/ hydraulic	Mechanical/ hydraulic	Mechanical/ hydraulic	Mechanical/ hydraulic	Mechanical/ hydraulic	Mechanical/ hydraulic
	7.3	Engine Power in compliance with ISO 1585	kW	CUMMINS QSF2.8	WEICHAI WP4.1	CUMMINS QSF2.8	WEICHAI WP4.1	CUMMINS QSF2.8	WEICHAI WP4.1
Others	7.4	Rated RPM	r/min	55	62.5	55	62.5	55	62.5
	7.5	Cylinder Number/Displacement	cm³	2200	2300	2200	2300	2200	2300
	7.6	On-board voltage	V	4/2800	4/4090	4/2800	4/4090	4/2800	4/4090
	7.7	Drive Control Type		12	24	12	24	12	24
Others	8.1	Drive Control Type		Electron Hydraulic	Electron Hydraulic	Electron Hydraulic	Electron Hydraulic	Electron Hydraulic	Electron Hydraulic
	10.4	Volume fuel tank	L/Kg	Electron Hydraulic	Electron Hydraulic	Electron Hydraulic	Electron Hydraulic	Electron Hydraulic	Electron Hydraulic
	10.7	Noise at Operator's Ear	dB(A)	90/75	90/75	90/75	90/75	90/75	90/75
	10.8	Drawbar,model/Type DIN 15170		100	96	100	96	100	96
Others	10.8	Drawbar,model/Type DIN 15170		Pin	Pin	Pin	Pin	Pin	Pin