

# Features



A Member of KION Group

## Standard Equipment

- Dual Drive Tyres
- Powershift transmission
- Electronic directional switch
- Operator presence sensor
- Suspension seat with operator restraint system
- Overhead guard with vibration dampening
- Front mounted hydraulic operation levers
- Multifunction display
- Tilting steering column
- Load backrest
- Hydraulic power steering
- Headlights
- Rear combination lights
- Vertical exhaust
- Structure painting



Clear-view Mast



Tilting Steering Column



Blue spot an optional safety extra



Orange paint an optional extra

# Diesel



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## Internal Combustion Forklift

# D series

### 7.0t / 8.0t / 10.0t



# FORKLIFTS DIRECT

Forklifts Direct

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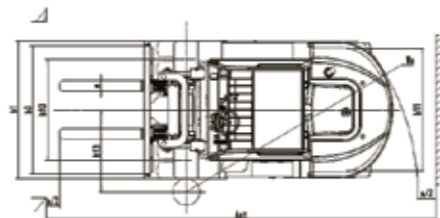
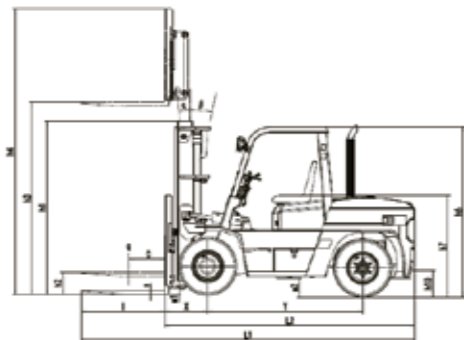
NOTE: Performance data may vary due to motor and system efficiency tolerances. The performance depicted represents nominal values obtained under typical operating conditions. The description and specifications included on this data sheet were in effect at time of printing. Linde Material Handling Pty Ltd reserves the right to make improvements and changes in specification or design without notice and without incurring obligation.

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# Specification

POS	Description	Unit	DESIGN VALUE			
			KBD70	KBD80	KBD100	
Specification	1.1	Manufacturer	KION Baoli	KION Baoli	KION Baoli	
	1.2	Model designation	KBD70	KBD80	KBD100	
	1.3	Power type	Diesel	Diesel	Diesel	
	1.4	Operation Type	Seated	Seated	Seated	
	1.5	Load Capacity	Q(kg)	7000	8000	10000
	1.6	Load Centre	C(mm)	600	600	600
	1.8	Axle centre to fork face	X(mm)	632	700	700
	1.9	Wheelbase	Y(mm)	2250	2800	2800
	Weight	2.1	Service Weight	kg	9600	12280
2.2		Axle loading, laden front/rear	kg	14820/1760	18560/1720	21180/2040
2.3		Axle loading, unladen front/rear	kg	3960/5640	6660/5620	6260/6940
Wheels and Tyres	3.1	Tyres:SE-Super elastic PN-Pneumatic		PN	PN	PN
	3.2	Front Tyres Size		8.25-15-14PR	9.00-20/14PR	9.00-20/14PR
	3.3	Rear Tyres Size		8.25-15-14PR	9.00-20/14PR	9.00-20/14PR
	3.6	Front Track Width	b10(mm)	1470	1600	1600
Dimensions and Overall Sizes	3.7	Rear Track Width	b11(mm)	1700	1700	1700
	4.1	Mast lift,forward/backward	α/β	6°/12°	6/12	6/12
	4.2	Mast Minimum Overall Height	h1(mm)	2500	2760	2760
	4.3	Free lift	h2(mm)	215	143	143
	4.4	Lift height	h3(mm)	3000	3000	3000
	4.5	Mast Maximum Overall Height	h4(mm)	4429	4545	4545
	4.7	Overhead Guard Height	h6(mm)	2445	2567	2567
	4.8	Seat Height	h7(mm)	1395	1512	1512
	4.12	Drawbar Height	h10(mm)	356	478	478
	4.19	Overall Length	L1(mm)	4852	5650	5780
	4.20	Length to Face of Forks	L2(mm)	3632	4150	4280
	4.21	Overall Width	b1(mm)	1995	2175	2175
	4.22	Fork Arms Dimensions	s/e/L(mm)	65/150/1220	80/160/1500	80/160/1500
	4.23	Fork Carriage in Compliance with ISO 2328 Class/Form A,B		A	A	A
	4.24	Fork Carriage Width	b3(mm)	1845	2239	2239
	4.31	Ground Clearance below Mast (with load)	m1(mm)	160	215	215
	4.32	Ground Clearance Centre of Wheelbase(with load)	m2(mm)	190	340	340
	4.34.1	Aisle Width with pallet 1000×1200 (1200 across forks)	Ast(mm)	5292	6545	6650
	4.35	Turning Radius	Wa(mm)	3460	4145	4250
4.36	Turning Point Minimum Distance from the Truck Center Line	b13(mm)	1095	1000	1000	
Performance	5.1	Drive Speed with/without load	km/h	22/27	24/29	22/28
	5.2	Lifting Speed with/without load	mm/s	420/555	380/405	340/390
	5.3	Lowering Speed with/without load	mm/s	350/285	380/350	438/276
	5.5	Tractive Force (at 2km/h) with/without load	KN	51	50/45	50/45
5.7	Gradeability (at 2km/h) with/without load	%	20	20	20	
5.10	Service Brake		Mechanical/Hydra	Mechanical/Hydra	Mechanical/Hydra	
Engine	7.1	Engine Manufacturer/Engine Type		Isuzu 6BG1QC-02	Isuzu 6BG1QC-02	Isuzu 6BG1QC-02
	7.2	Engine Power in compliance with ISO 1585	kw	82.5	82.5	82.5
	7.3	Rated Number of Revolutions	/min	2000	2000	2000
	7.4	Cylinder Number/Displacement	cm³	6/6494	6/6494	6/6494
7.9	On-board voltage	V	24	24	24	
Others	8.1	Drive Control Type		Electron Hydraulic	Electron Hydraulic	Electron Hydraulic
	10.4	Volume fuel tank	L	140	210	210
	10.7	Noise at Operator's Ear	dB(A)	100	100	100
	10.8	Drawbar,model/Type DIN		Pin	Pin	Pin



# Mast Specification

7.0T MAST SPECIFICATION								
Mast type	Max.height	Rated capacity		Height		Free-lift height		Mast angle front/back
		Load center 600mm		closed height	with carriage	without carriage	with carriage	
VM Standard wide-view	3000	7000		2500	4429	210	210	6/12
	3300			2650	4729	210	210	
	3500			2750	4929	210	210	
	4000			3050	5429	210	210	
	4500			3300	5929	210	210	
	5000			6800	3550	6429	210	
VFHM Full free triplex	5500	6400	3850	6929	210	210	3/6	
	6000	6100	4100	7429	210	210		
	4000	6000		2490	5275	1574	1121	6/6
	4500			2655	5775	1739	1286	
	4800			2760	6075	1844	1391	
	5000			2825	6275	1909	1456	
5400	5500			2960	6675	2044	1591	3/6
6000	5300			3160	7275	2044	1791	

8.0T MAST SPECIFICATION									
Mast type	Max.height	Rated capacity		Height			Free lift height		Mast angle front/back
		load center 600mm		closed height	Fork Positioner	Sideshifting Fork Positioner	Fork Positioner	Sideshifting Fork Positioner	
VM Standard wide-view	3000	8000		2695	4147	4492	210	210	6/12
	3300			2845	4447	4792	210	210	
	3500			2945	4647	4992	210	210	
	4000			3245	5147	5492	210	210	
	4500			3495	5647	5992	210	210	6/6
	5000			7750	3745	6147	6492	210	210
	5500	7400	4045	6647	6992	210	210		
	6000	7000	4295	7147	7492	210	210		

10.0T MAST SPECIFICATION										
Mast type	Max.height	Rated capacity		Height			Free lift height			Mast angle front/back
		Load center 600mm		Closed height	Fork Positioner	fork ≥ 2200	Sideshifting Fork Positioner	Fork Positioner	forks ≥ 2200	
VM Standard wide-view	3000	10000		2845	4307	4532	4492	210	210	6/12
	3300			2995	4607	4832	4792	210	210	
	3500			3095	4807	5032	4992	210	210	
	4000			3395	5307	5532	5492	210	210	
	4500			3645	5807	6032	5992	210	210	6/6
	5000			10000	3895	6307	6532	6492	210	210
	5500	9000	4195	7032	7032	6992	210	210	210	3/6
	6000	8000	4445	7532	7532	7492	210	210	210	
VFHM Full free triplex	4500	7500	2870	5872	6097	6057	1578	1353	1393	6/12
	4800	7500	2970	6172	6397	6357	1678	1453	1493	6/6
	5000	7500	3035	6372	6597	6557	1743	1518	1558	
	6000	6000	3425	7372	7597	7557	2133	1908	1948	3/6