

Mast Specification

SFD40-50										
Mast type	Max.height	Rated capacity				Height		Free-lift height		Mast angle
		load center 500mm				closed height	height with carriage	without carriage	with carriage	
		4T	double tyres	5T	double tyres					front/back
VM Standard wide-view	3000	4000	4000	5000	5000	2390	4275	150	150	6/12
	3300	4000	4000	5000	5000	2540	4575	150	150	
	3500	4000	4000	5000	5000	2640	4775	150	150	
	4000	3800	4000	4600	5000	2940	5275	150	150	6/6
	4500	3500	4000	4500	4800	3190	5775	150	150	
	5000	3100	3700	4000	4600	3440	6275	150	150	
VFM Full free duplex	2610	4000	4000	5000	5000	2195	3885	1349	970	6/12
	2700	4000	4000	5000	5000	2240	3975	1394	1015	
	3000	4000	4000	5000	5000	2390	4275	1544	1165	
	3300	4000	4000	5000	5000	2540	4575	1694	1315	
	3500	4000	4000	5000	5000	2640	4775	1794	1415	
	4000	3800	4000	4600	5000	2890	5275	2044	1665	
VFHM Full free triplex	3920	3900	3900	4800	4800	2245	5195	1399	1020	6/6
	4350	3800	3800	4700	4700	2390	5625	1544	1165	
	4500	3500	3700	4500	4600	2441	5775	1595	1216	
	4700	3400	3700	4200	4600	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	3/6
	6000	2000	3200	2500	4000	3005	7275	2159	1780	

Remark: This data would be changed under different working condition

DIESEL

SHANTUI
VALUE THAT WORKS

Internal Combustion Forklift

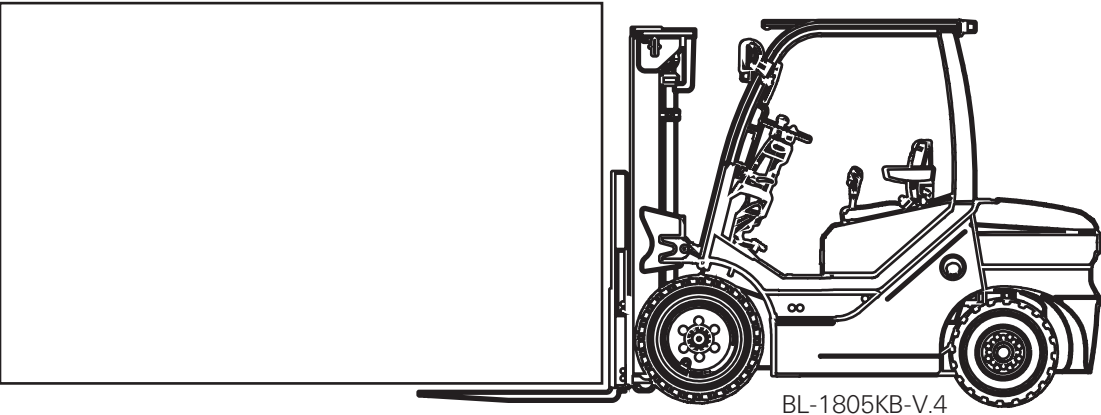
Dseries
4.0t/5.0t



SHANTUI
VALUE THAT WORKS
Shantui Construction Machinery Co., Ltd.

ADDRESS:
No. 58, G327 Highway
Jining City, Shandong, CHINA

TEL: +86-537-2909369
FAX: +86-537-2311219
EMAIL: trade@shantui.com



BL-1805KB-V.4



Features

OPERATION LEVER

European style
Side Control



OPERATION PLATFORM

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



SUSPENSION CABIN

Removable suspension
cabin for easy overhaul
repairing



HOOR METER

State-of-art
hourmeter with
multi functions



DOWN CURVED COUNTER WEIGHT

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

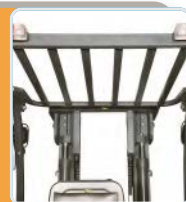


STRUCTURE PAINTING TECHNOLOGY

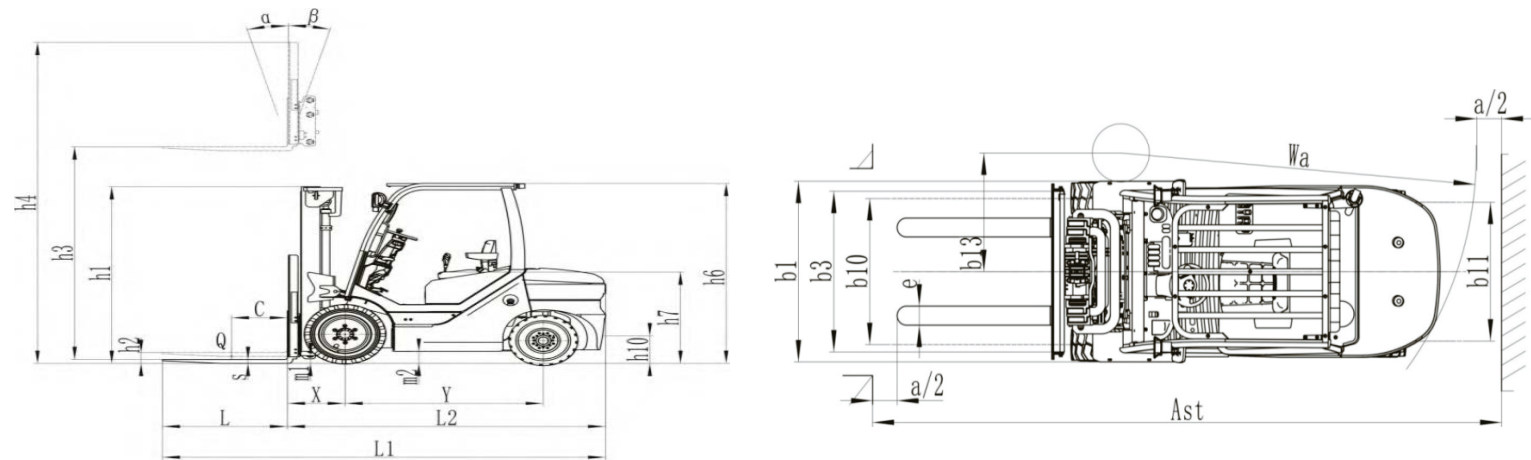
is a
KION feature, help to
improve safety and is
easy to touch-up



A very clean view
for both front
and upright



Specification



POS		Description	Unit	DESIGN VALUE							
Specification	1.1	Manufacturer		SHANTUI							
	1.2	Model designation		SFD40	SFD40	SFD40	SFD50	SFD50	SFD50	SFD50	SFD50
	1.3	Power type: Electric-Diesel-Petrol-LPG-Network Power (Electric)		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
	1.4	Operation Type:Hand-stand on-Driver seated		Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated
Weight	1.5	Load Capacity	Q(kg)	4000	4000	4000	5000	5000	5000	5000	5000
	1.6	Load Barycenter Distance	C(mm)	500	500	500	500	500	500	500	500
	1.8	Axle centre to fork face	X(mm)	562	562	562	567	567	567	567	567
	1.9	Wheel Base	Y(mm)	2000	2000	2000	2000	2000	2000	2000	2000
wheels and tyres	2.1	Service Weight	kg	6380	6780	6560	6980	7380	7380	7160	7160
	2.2	Axle weight with Rated Load front/rear	kg	9810/1230	9830/1250	9300/1280	10780/1360	11360/1320	11360/1320	11000/1260	11000/1260
	2.3	Axle weight without Load front/rear	kg	3210/3280	3340/3440	3210/3350	3030/4060	3220/4160	3220/4160	3100/4060	3100/4060
	3.1	Tyres:SE-Super elastic PN-Pneumatic		PN	PN	PN	PN	PN	PN	PN	PN
Dimensions and Overall Sizes	3.2	Front Tyres Size		300-15-20PR	300-15-20PR	300-15-20PR	300-15-20PR	300-15-20PR	300-15-20PR	300-15-20PR	300-15-20PR
	3.3	Rear Tyres Size		7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR
	3.6	Front Track Width	b10 (mm)	1180	1180	1180	1180	1180	1180	1180	1180
	3.7	Rear Track Width	b11 (mm)	1190	1190	1190	1190	1190	1190	1190	1190
	4.1	Mast lift,forw ard/backward	α/β	6°/12°	6°/12°	6°/12°	6°/12°	6°/12°	6°/12°	6°/12°	6°/12°
	4.2	Mast Minimum Overall Height	h1 (mm)	2390	2390	2390	2390	2390	2390	2390	2390
	4.3	Free lift	h2 (mm)	150	150	150	155	155	155	155	155
	4.4	Lift height	h3 (mm)	3000	3000	3000	3000	3000	3000	3000	3000
	4.5	Mast Minimum Overall Height	h4 (mm)	4275	4275	4275	4275	4275	4275	4275	4275
	4.7	Overhead Guard Height	h6 (mm)	2260	2260	2260	2260	2260	2260	2260	2260
	4.8	Seat Height	h7 (mm)	1280	1280	1280	1280	1280	1280	1280	1280
	4.12	Draw bar Height	h10 (mm)	380	380	380	380	380	380	380	380
	4.19	Overall Length	L1 (mm)	4180	4180	4180	4180	4230	4230	4230	4230
	4.20	Length to Face of Forks	L2 (mm)	3110	3110	3110	3110	3160	3160	3160	3160
	4.21	Overall Width	b1 (mm)	1485	1485	1485	1485	1485	1485	1485	1485
Performance	4.22	Fork Arms Dimensions	s/e/L (mm)	50/140/1070	50/140/1070	50/140/1070	50/140/1070	55/150/1070	55/150/1070	55/150/1070	55/150/1070
	4.23	Fork Carriage in Compliance with ISO 2328 Class/Form A,B		A	A	A	A	A	A	A	A
	4.24	Fork Carriage Width	b3 (mm)	1380	1380	1380	1380	1380	1380	1380	1380
	4.31	Ground Clearance below Mast(with load)	m1 (mm)	145	145	145	145	145	145	145	145
	4.32	Ground Clearance Centre of Wheelbase(with load)	m2 (mm)	180	180	180	180	180	180	180	180
	4.34.1	Aisle Width with pallet 1000×1200 and Fork Arms Pitch 1200	Ast (mm)	4627	4627	4627	4627	4667	4667	4667	4667
	4.35	Turning Radius	Wa (mm)	2760	2790	2790	2800	2830	2830	2830	2830
	4.36	Turning Point Minimum Distance from the Truck Center Line	b13 (mm)	900	900	900	900	900	900	900	900
	5.1	Drive Speed with/without load	km/h	22/24	25.3/26.2	21/23	22/24	25.3/26.2	25.3/26.2	21/23	21/23
	5.2	Lifting Speed with/without load	mm/s	470/490	456/528	400/480	450/490	456/528	456/528	400/480	400/480
Engine	5.3	Lowering Speed with/without load	mm/s	380/255	455/320	530/410	380/255	455/320	455/320	530/41	530/41
	5.5	Drawbar Pull Tractive Effort (at 2km/h) with/without load	KN	28/21	24/20	33/21	28/21	24/20	24/20	33/21	33/21
	5.7	Gradeability (at 2km/h) with/without load	%	20	20	20	20	20	20	20	20
	5.10	Service Brake		Mechanical/hydraulic	Mechanical/hydraulic	Mechanical/hydraulic	Mechanical/hydraulic	Mechanical/hydraulic	Mechanical/hydraulic	Mechanical/hydraulic	Mechanical/hydraulic
Others	7.1	Engine Manufacturer/Engine Type		Kohler KDL2504	WEICHA I WP4.1	ISUZU 6BG1 QC-05	Kohler KDL2504	WEICHA I WP4.1	WEICHA I WP4.1	ISUZU 6BG1 QC-05	ISUZU 6BG1 QC-05
	7.2	Engine Power in compliance with ISO 1585	kw	55.4	62.5	68	55.4	62.5	62.5	68	68
	7.3	Rated Number of Revolutions	/min	2200	2300	2000	2200	2300	2300	2000	2000
	7.4	Cylinder Number/Displacement	cm³	4/2482	4/4090	6/6494	4/2482	4/4090	4/4090	6/6494	6/6494
	7.9	On-board voltage	V	12	24	24	12	24	24	24	24
	8.1	Drive Control Type		Electron Hydraulic	Power shift	Power shift	Electron Hydraulic	Power shift	Power shift	Power shift	Power shift
	10.1	Service Pressure for Attachments	bar	-	-	-	-	-	-	-	-
	10.2	Oil Flow rate for (max.available)	l/min	-	-	-	-	-	-	-	-
	10.4	Volume fuel tank	L/kg	90/75	90/75	90/75	90/75	90/75	90/75	90/75	90/75
	10.7	Noise at Operator's Ear	dB(A)	91	96	91	91	96	96	91	91
	10.8	Drawbar,model/Type DIN		Pin	Pin	Pin	Pin	Pin	Pin	Pin	Pin