

Forklift Series



SHANTUI®
VALUE THAT WORKS™

Shantui Construction Machinery Co., Ltd.

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

TEL: +86-537-2909351 2909368 2909369
FAX: +86-537-2311219
EMAIL: trade@shantui.com
WEB: www.shantui.com



Shantui Construction Machinery Co., Ltd.
is a flagship member of the Shandong
Heavy Industry Group newly formed in 2009.

© 2011 Shantui

SHANTUI®
VALUE THAT WORKS™



2011.11



FORKLIFT SERIES

In 2007, Shantui decided to put its **construction machinery production prowess** behind a new line of products, somewhat removed from road construction —Forklifts.

The gambit is starting to pay off some handsome dividends as the product line is quickly moving up the ladder in terms of domestic market share in China. Some models are also seeing a rise in exports, with Shantui exporting more than a thousand units in 2010, out of its total production of slightly more than 5,000 units.

The real story, however, may be the relative speed with which Shantui built the forklift line into a mature product category virtually overnight. In a short three years, it already makes a well-rounded set of six different models with several variations within each model category. The machines range in size from 2-ton to ten-ton. They come in both electric and diesel versions.

As with other products new to the company's product offerings, Shantui provides the structural parts, while most of the other parts are bought from top brand name suppliers in China. The exception is the electronic controls, which are imported from Curtis in the USA.

Several of the models are Tier III compliant, depending on engine or motor type. They all come with optional, optimal lift heights.

Overall, the forklift line is another clear demonstration of Shantui's unrivaled value proposition:

HIGH PERFORMANCE FOR EXCEPTIONAL VALUE.



SF20D ▲



Product features:

- U.S. Curtis electronic control system, provides protections for incorrect operating sequence, seat auto-power-off, drive brake steering position, and other functions, in addition to various electronic control protection mechanisms.
- The driving noise and lifting noise levels of the vehicle are reduced, helping to maintain a better work environment.
- Low-speed DC motor and low-noise gear pump for excellent performance are adopted, and steering motor and steering oil pump are eliminated, to achieve split flow using a single pump.

Technical specifications:

MODEL		UNIT	SF20D
Load capacity		kg	2000
Load center		mm	500
Power type			Battery
Overall dimensions	Full length (with fork)	mm	3445
	Full length (without fork)	mm	2375
	Full width	mm	1146
	Full height	mm	2100
	Height with mast not lifted	mm	1995
	Height with mast lifted	mm	4030
	Maximum lift height	mm	3000
	Free lift height	mm	155
Min. ground clearance (at frame)	mm	140	
Front overhang		mm	483
Wheelbase		mm	1500
Rear overhang		mm	392
Distance from seat surface to overhead guard		mm	1030
Fork adjusting range		mm	245/1020
Front wheel track		mm	960
Rear wheel track		mm	950
Minimum turning radius		mm	2050
Mast inclination		deg	6/12
Battery (voltage/capacitance)		V/AH	48/700
Drive speed		km/h	0-14
Full-load lifting speed		mm/sec	265
Maximum gradeability		%	10
Curb weight		kg	4150
Tire	Front wheel		7.00-12-12PR
	Rear wheel		18*7-8-14PR

► SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. THE PICTURES MAY INCLUDE OPTIONS. THE ACTUAL COLOR AND APPEARANCE OF THE PRODUCT MAY DIFFER FROM WHAT IS SHOWN.



SF20/SF20T/SF25/SF25T ▲

Product features:

- Circular arc design, streamlined modeling, attractive external appearance and exquisite detailing. Wide view mast allowing operator to have a more full and clearer front vision.
- Steering axle shock absorption.
- Air intake is located above the overhead guard support, ensuring better engine protection from dust, helping to avoid problems with early wear.
- Built-in heat-insulation and sound-absorption material is available inside the engine hood.
- Small-type instrument panel and steering column are integrated into a whole-cab design, for a more ergonomic compartment and better vision.
- Offers multi-power selection and numerous component attachment parts.



Technical specifications:

FRONT SINGLE TIRE						
MODEL		Unit	SF20/20T	SF25/25T		
General	Load capacity	kg	2000	2500		
	Load center	mm	500			
	Power type		Diesel			
Dimensions	Lift size	mm	3000			
	Free lift height	mm	155			
	Fork size	mm	1070x122x40			
	Mast tilt angle	deg	6/12			
	Fork overhang	mm	483			
	Overall dimensions	Full length	mm	2510	2580	
		Full width	mm	1160		
		Height with mast not lifted	mm	1990		
		Height with mast lifted	mm	4030		
		Overhead guard height	mm	2071		
	Minimum turning radius	mm	2172	2320		
Minimum right angle passage width	mm	2200	2300			
Performance	Drive speed (full load/no load)	Hydraulic forklift truck	km/h	19/20		
		Mechanical forklift	Gear I	8.5/9		
	Gear II		19/20			
	Full-load lifting speed	mm/sec	420			
	Maximum gradeability	%	20			
	Curb weight	kg	3649/3628	4000/3978		
Tires	Front wheel	7.00-12-12PR				
	Rear wheel	6.00-9-10PR				
Wheel & tires	Tread	Front wheel	mm	970		
		Rear wheel	mm	970		
	Wheelbase			mm 1600		
	Ground clearance (full load/no load)	Mast			mm 85/105	
Frame				mm 100/105		
Drive units & control	Applicable vehicle type		SF20AT/SF25AT			
	Model		490BPG	ISUZU C2409KJ		
	Rated power		kw/rpm	37/2650	34.5/2500	
	Rated torque		N.m/rpm	148/1900	139/1800	
	Number of cylinders				4 4	
	Cylinder bore/stroke		mm	90/100	86/102	
	Displacement		L	2.54	2.369	
	Operating pressure		Mpa	17.5		

► SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. THE PICTURES MAY INCLUDE OPTIONS. THE ACTUAL COLOR AND APPEARANCE OF THE PRODUCT MAY DIFFER FROM WHAT IS SHOWN.



SF30/SF30T/SF35/SF35T ▲

Product features:

- Built-in tilt cylinder seat is used, adjustable at high gear position, which is able to help relieve fatigue for the operator, while the wide view mast provides a spacious visual field.
- Suspended overhead guard and steering axle shock absorption technique are applied, to increase driver operating comfort.
- High-quality transmission matched with the hydraulic system, for complete vehicle efficiency making it highly efficient and energy saving.
- Intelligent electronic monitoring combination instrument is used, and a waterproof plug-in unit is applied to the electrical system, to increase safety and reliability.



Technical specifications:

FRONT SINGLE TIRE						
MODEL		Unit	SF30/30T	SF35/35T		
General	Load capacity	kg	3000	3500		
	Load center	mm	500	500		
	Power type		Diesel	Diesel		
Dimensions	Lift size	mm	3000	3000		
	Free lift height	mm	160	160		
	Fork size	mm	1070x122x45	1070x122x50		
	Mast tilt angle	deg	6/12	6/12		
	Fork overhang	mm	495	495		
	Overall dimensions	Full length	mm	2704	2704	
		Full width	mm	1226	1226	
		Height with mast not lifted	mm	2140	2140	
		Height with mast lifted	mm	4272	4272	
		Overhead guard height	mm	2140	2140	
	Minimum turning radius	mm	2400	2400		
Minimum right angle passage width	mm	2100	2100			
Performance	Drive speed (full load/no load)	Hydraulic forklift truck	km/h	19/20	19/20	
		Mechanical forklift	Gear I	8.8/8.8	8.8/8.8	
			Gear II	20/20	20/20	
	Full-load lifting speed	mm/sec	450	360		
	Maximum gradeability	%	20	20		
	Curb weight	kg	4500/4474	4787/4760		
Tires	Front wheel		28*9-15-14PR	28*9-15-14PR		
		Rear wheel	6.50-10-10PR	6.50-10-10PR		
	Tread	Front wheel	mm	1000	1000	
		Rear wheel	mm	980	980	
Wheelbase	mm	1700	1700			
Ground clearance (full load/no load)	Mast	mm	110/135	110/135		
	Frame	mm	130/135	130/135		
Drive units & control	Applicable vehicle type		SF30AT	SF35AT		
	Model		490BPG	CA498	ISUZU C240PKJ	495BPG
	Rated power	kw/rpm	37/2650	42/2450	34.5/2500	42/2650
	Rated torque	N.m/rpm	148/1900	190/1800	139/1800	174/1800
	Number of cylinders		4	4	4	4
	Cylinder bore/stroke	mm	90/100	98/105	86/102	95/105
	Displacement	L	2.54	2.98	2.369	2.97
	Operating pressure	Mpa	17.5		17.5	

► SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. THE PICTURES MAY INCLUDE OPTIONS. THE ACTUAL COLOR AND APPEARANCE OF THE PRODUCT MAY DIFFER FROM WHAT IS SHOWN.



SF50/SF60/SF70 ▲

Product features:

- Large circular-arc streamline modeling is applied to the complete forklift, and the edge of the counterweight is visible from the driver's seat, to ensure optimal visibility when distance is determined during reverse operation.
- With the control system designed according to ergonomic engineering principles, the angle of the steering gear is adjustable, offering the driver a spacious visual field, for optimal operating comfort.
- Full-hydraulic load-free induction steering gear, for less tedious turning operations.
- Wide view mast provides driver with a spacious visual field.
- Combined taillight is mounted in the rear part of the overhead guard, which provides security for safer user operation.



Technical specifications:

FRONT DOUBLE TIRE						
MODEL	Unit	SF50	SF60	SF70		
General	Load capacity	kg	5000	6000	7000	
	Load center	mm	600			
	Power type		Diesel			
Dimensions	Lift size	mm	3000			
	Free lift height	mm	195			
	Fork size	mm	1250x150x50			
	Mast tilt angle	deg	6/12			
	Fork overhang	mm	627			
	Overall dimensions	Full length	mm	3460	3540	3646
		Full width	mm	1995		
		Height with mast not lifted	mm	2500		
		Height with mast lifted	mm	4420		
		Overhead guard height	mm	2450		
	Minimum turning radius	mm	3250	3450		
Minimum right angle passage width	mm	2960	3090			
Performance	Drive speed (full load/no load)	Hydraulic forklift truck	km/h	26/28		
		Mechanical forklift	Gear I			
	Gear II					
	Full-load lifting speed	mm/sec	500	450		
	Maximum gradeability	%	20			
	Curb weight	kg	8183	8960	9400	
Tires	Front wheel	8.5-15-14PR				
	Rear wheel	8.5-15-14PR				
Wheel & tires	Tread	Front wheel	mm	1470		
		Rear wheel	mm	1700		
	Wheelbase	mm	2250			
	Ground clearance (full load/no load)	Mast	mm	200		
Frame		mm	200			
Drive units & control	Engine	Applicable vehicle type	SF50/SF60/SF70			
		Model	6102BG			
		Rated power	kw/rpm	81/2500		
		Rated torque	N.m/rpm	353/1700		
		Number of cylinders	6			
		Cylinder bore/stroke	mm	102/118		
	Displacement	L	5.795			
Transmissions	Type	Hydraulic				
	Gear position front/rear	2-2				
Operating pressure	Mpa	20				

► SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. THE PICTURES MAY INCLUDE OPTIONS. THE ACTUAL COLOR AND APPEARANCE OF THE PRODUCT MAY DIFFER FROM WHAT IS SHOWN.



SF100 ▲

Product features:

- Large circular-arc streamline modeling is applied to the complete forklift, and the edge of the counterweight is visible from the driver's seat, to ensure optimal visibility when distance is determined during reverse operation.
- With the control system designed according to ergonomic engineering principles, the angle of the steering gear is adjustable, offering the driver a spacious visual field, for optimal operating comfort.
- Full-hydraulic load-free induction steering gear, for less tedious steering operations.
- Wide view mast provides driver with a spacious visual field.
- Combined taillight is mounted in the rear part of the overhead guard, which provides security for safer user operation.



Technical specifications:

FRONT DOUBLE TIRE				
MODEL		Unit	SF100	
General	Load capacity	kg	10000	
	Load center	mm	600	
	Power type		Diesel	
Dimensions	Lift size	mm	3000	
	Free lift height	mm	195	
	Fork size	mm	1768X173X85	
	Mast tilt angle	deg	6/12	
	Fork overhang	mm	726	
	Overall dimensions	Full length	mm	4200
		Full width	mm	2230
		Height with mast not lifted	mm	2800
		Height with mast lifted	mm	4426
		Overhead guard height	mm	2497
	Minimum turning radius	mm	3900	
Minimum right angle passage width	mm	3540		
Performance	Drive speed (full load/no load)	Hydraulic forklift truck	km/h	26/28
		Mechanical forklift	Gear I	
	Gear II			
	Full-load lifting speed	mm/sec	360	
	Maximum gradeability	%	20	
	Curb weight	kg	12300	
Tires	Front wheel	9.00-20-14PR		
	Rear wheel	9.00-20-14PR		
Wheel & tires	Tread	Front wheel	mm	1600
		Rear wheel	mm	1722.5
	Wheelbase	mm	2800	
	Ground clearance (full load/no load)	Mast	mm	245/205
		Frame	mm	240
Drive units & control	Engine	Applicable vehicle type		SF100
		Model		6102BG
		Rated power	kw/rpm	81/2500
		Rated torque	N.m/rpm	353/1700
		Number of cylinders		6
		Cylinder bore/stroke	mm	102/118
		Displacement	L	5.795
	Transmissions	Type	Hydraulic	
		Gear position front/rear	2-2	
	Operating pressure	Mpa	20	

► SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. THE PICTURES MAY INCLUDE OPTIONS. THE ACTUAL COLOR AND APPEARANCE OF THE PRODUCT MAY DIFFER FROM WHAT IS SHOWN.