



**SF**

**S E R I E S**

*Engine Powered  
Pneumatic Tire  
Lift Trucks*

*2000/2500/3000 kg  
4000/5000/6000 lb  
Capacity*

**20L/25L/30L  
20D/25D/30D**

# SF 20 · 25 · 30 L/D 2000 to 3000kg (4000 to 6000lb)

## STANDARD SPECIFICATIONS

Characteristics				SAMSUNG		SAMSUNG		SAMSUNG													
				SF20L	SF20D	SF25L	SF25D	SF30L	SF30D												
1 Manufacturer				SAMSUNG		SAMSUNG		SAMSUNG													
2 Model				SF20L	SF20D	SF25L	SF25D	SF30L	SF30D												
3 Load Capacity		kg(lb)		2000(4000)		2500(5000)		3000(6000)													
4 Load Center		mm (in)		500(20)		500(20)		500(20)													
5 Power Type				LPG	DSL	LPG	DSL	LPG	DSL												
6 Operator Position				Rider seated		Rider seated		Rider seated													
7 Tire Type		Front/Rear		Pneumatic		Pneumatic		Pneumatic													
8 Wheels (x = driver)		Front/Rear		2x2		2x2		2x2													
9 Maximum Fork Height (MFH)		mm (in)		3000 (118)		3000(118)		3000 (118)													
10 Free Lift		mm (in)		315(12.5)		315(12.5)		315(12.5)													
13 Fork Size		T x W x L		45x100x1070(1.8x3.9x42)		45x100x1070(1.8x3.9x42)		45x125x1070(1.8x4.9x42)													
14 Tilt Range		FWD/BWD		deg		8/10		8/10													
15 Length to Fork Face		mm (in)		2545(100)		2580(102)		2585(102)													
16 Overall Width		mm (in)		1210(48)		1210(48)		1240(49)													
18 Height		Mast Lowered		mm (in)		2130(84)		2130(84)													
		Mast Extended		mm (in)		4220(166)		4220(166)													
		Overhead Guard		mm (in)		2130(84)		2130(84)													
21 Turning Radius (Outside)		mm (in)		2390(93)		2390(94)		2500(98)													
22 Load Distance (Centerline of front axle to front face of forks)		mm (in)		450(18)		490(19)		450(18)													
23 Basic Right Angle Steering Axle Width (Add load length and clearance)		mm (in)		2800(111)		2840(112)		2950(116)													
24 Performance		Travel Max. (FWD/RVS)		With Load		km/h (mph)		17.6/17.6(10.9/10.9)		18.9/18.9(11.7/11.7)		17.6/17.6(10.9/10.9)		18.5/18.5(11.5/11.5)		18.0/18.0(11.2/11.2)		19.2/19.2(11.9/11.9)			
				Without Load		km/h (mph)		18.9/18.9(11.7/11.7)		20.0/20.0(12.4/12.4)		18.9/18.9(11.6/11.6)		20.0/20.0(12.4/12.4)		19.0/19.0(11.8/11.8)		20.6/20.6(12.7/12.7)			
		25 Speed		Lifting		With Load		mm/sec (fpm)		500(98)		540(106)		500(98)		500(100)		460(90)		500(98)	
						Without load		mm/sec (fpm)		540(106)		580(114)		540(106)		580(114)		540(106)		580(114)	
		26		Lowering		With Load		mm/sec (fpm)		510(100)		510(100)		510(100)		510(100)		510(100)		510(100)	
						Without load		mm/sec (fpm)		510(100)		510(100)		510(100)		510(100)		510(100)		510(100)	
28 Max. Drawbar Pull		With Load		kg (lb)		1360(3000)		1660(3700)		1370(3020)		1660(3700)		1290(2840)		1590(3510)		1300(2870)			
		Without load		kg (lb)		800(1760)		820(1810)		770(1700)		780(1720)		780(1720)		800(1810)		800(1810)			
30 Max. Gradeability		With Load		%		20.1		31.3		21.8		26.8		18.3		22.4		22.4			
		Without load		%		21.9		22.2		30.0		30.2		18.6		19.3		19.3			
32 Total Weight				kg (lb)		3490(7690)		3590(7930)		3720(8200)		3790(8330)		4190(9170)		4200(9260)					
33 Weight Distribution		With Load		Front		kg (lb)		4730(10370)		4850(10740)		5200(11710)		5590(12440)		6200(13710)		6350(14060)			
				Rear		kg (lb)		790(1820)		700(1490)		700(1490)		700(1490)		800(1800)		850(1800)			
		Without Load		Front		kg (lb)		1530(3390)		1670(3680)		1580(3480)		1520(3350)		1610(3550)		1660(3700)			
				Rear		kg (lb)		1860(4100)		1900(4100)		2140(4720)		2160(4760)		2550(5620)		2520(5560)			
35		Number		Front/Rear		2/2		2/2		2/2		2/2		2/2		2/2					
36 Tires		Size		Front		7.00x12-14PR		7.00x12-14PR		7.00x12-14PR		7.00x12-14PR		26.5x15-14PR		26.5x15-14PR					
37		Size		Rear		6.50x10-10PR		6.50x10-10PR		6.50x10-10PR		6.50x10-10PR		6.50x10-10PR		6.50x10-10PR					
38 Wheel Base				mm (in)		1020(94)		1020(94)		1020(94)		1020(94)		1700(67)		1700(67)					
39 Tread		Front		mm (in)		1005(40)		1005(40)		1005(40)		1005(40)		1030(41)		1030(41)					
		Rear		mm (in)		940(37)		940(37)		940(37)		940(37)		940(37)		940(37)					
40 Underdesence		at lowest point (Mast)		mm (in)		125(4.9)		125(4.9)		125(4.9)		125(4.9)		125(4.9)		125(4.9)					
41		Center of Wheel Base		mm (in)		205(8)		205(8)		205(8)		205(8)		205(8)		205(8)					
42 Brake		Service (Foot)				Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic					
43		Parking				Hand		Hand		Hand		Hand		Hand		Hand					
45 Battery		Voltage/Capacity(SHR)		V/AH		12/55		12/55		12/55		12/55		12/55		12/55		12/100			
49		Make/Model				Mitsubishi 4364		* SHI AL30		Mitsubishi 4364		* SHI AL30		Mitsubishi 4364		* SHI AL30		Mitsubishi 4364			
50		Rated Horsepower / r.p.m.		SAE/HP (KS/PS)		41.5/2100 Net (40/2100)		58/2400 Net (58.5/2400)		41.5/2100 Net (40/2100)		58/2400 Net (58.5/2400)		41.5/2100 Net (40/2100)		58/2400 Net (58.5/2400)		41.5/2100 Net (40/2100)			
51		Rated Torque / r.p.m.		SAE ft-lb (kgm)		102/1800 Net (14.1/1800)		136/1800 Net (18.8/1800)		102/1800 Net (14.1/1800)		136/1800 Net (18.8/1800)		102/1800 Net (14.1/1800)		136/1800 Net (18.8/1800)		102/1800 Net (14.1/1800)			
52		Number of Cylinder				4		4		4		4		4		4					
		Piston Displacement		cc (cc-in)		2350(143)		2950(180)		2350(143)		2950(180)		2350(143)		2950(180)					
53		Fuel Tank Capacity		kg(lb)		15(33)		15(33)		15(33)		15(33)		15(33)		15(33)					
				liter (US/UK gal)		52(14/11.4)		52(14/11.4)		52(14/11.4)		52(14/11.4)		52(14/11.4)		52(14/11.4)					
55 Transmission		Type				Powershift		Powershift		Powershift		Powershift		Powershift		Powershift					
		Stage		FWD/RVS		1/1		1/1		1/1		1/1		1/1		1/1					
57 Operating Pressure		For Attachments		kg/cm <sup>2</sup> (psi)		17.0(2500)		17.0(2500)		17.0(2500)		17.0(2500)		17.0(2500)		17.0(2500)					

Materials and specifications are subject to change without notice.  
Remark: \* Nissan BC30 assembled by SHI

### STANDARD EQUIPMENT

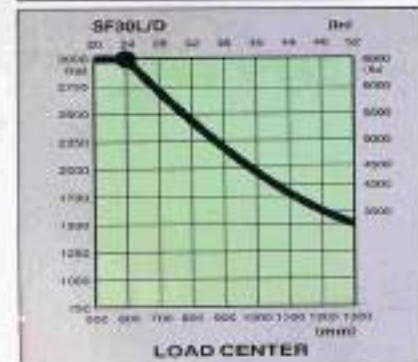
- Wide Visible Mast (MFH:3000mm(118 in))
- Halogen head and rear lights
- Rear combination lights
- Headlight guards
- Back-up alarm
- Integrated monitoring center
- Tilttable steering column
- Long life tires
- Parking brake
- Overhead guard
- Anti-ignition key switch
- Alternator with IC regulator
- Neutral safety switch,
- Power steering
- Power brake
- Drawbar pin
- Tool set
- Back mirrors

### OPTIONAL EQUIPMENT

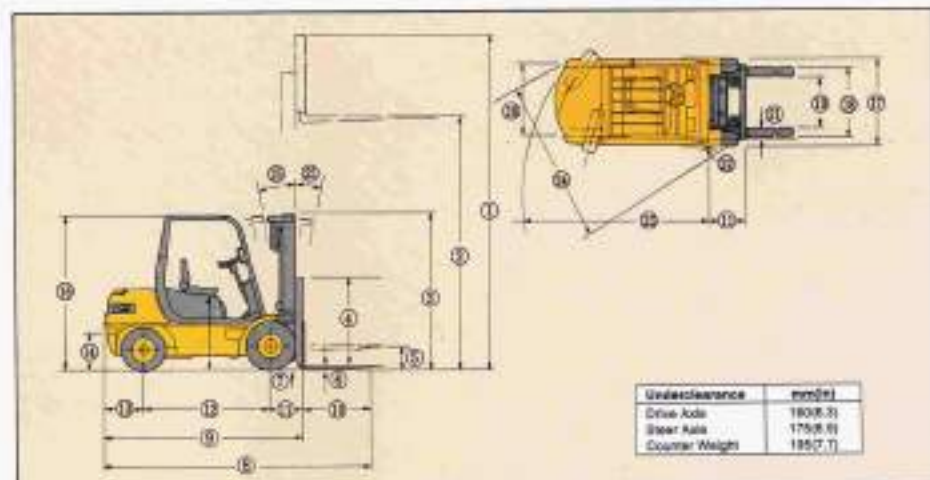
- Solid Tires
- Long and short forks
- Suspension seat
- Cabin

Note: Standard and optional equipment may vary. Consult your SHI dealer for more information

## LOAD CAPACITY CHART



## STANDARD DIMENSIONS



Model	SF20L/D	SF25L/D	SF30L/D
1 Overall height, fork raised (with backrest)	4220(166)	4220(166)	4220(166)
2 Max. fork height	3000(118)	3000(118)	3000(118)
3 Overall height, Fork lowered (upright)	2130(84)	2130(84)	2130(84)
4 Backrest height (from upper face of forks)	1220(48)	1220(48)	1220(48)
5 Free lift	315(12.5)	315(12.5)	315(12.5)
6 Fork thickness	45(1.8)	45(1.8)	45(1.8)
7 Min. underclearance (bottom of mast)	125(4.9)	125(4.9)	125(4.9)
8 Overall length (with fork)	3615(142)	3650(144)	3755(148)
9 Length to fork face	2545(100)	2580(102)	2685(106)
10 Fork length	1070(42)	1070(42)	1070(42)
11 Fork overhang	450(18)	450(18)	450(18)
12 Wheel base	1620(64)	1620(64)	1700(67)
13 Rear overhang	475(18)	510(18)	535(21)
14 Coupler height	400(15.7)	400(15.7)	400(15.7)
15 Overhead guard clearance (from face of seat)	1010(40)	1010(40)	1010(40)
16 Overall height (overhead guard)	2130(84)	2130(84)	2130(84)
17 Overall width	1210(48)	1210(48)	1240(49)
18 Lateral fork adjustment (outside of fork)	200-1040(7.9-41)	200-1040(7.9-41)	250-1040(9.8-41)
19 Tread (front)	1005(40)	1005(40)	1030(41)
20 Tread (rear)	940(37)	940(37)	940(37)
21 Fork width	100(3.9)	100(3.9)	125(4.9)
22 Inside turning radius	205(8)	205(8)	205(8)
23 Outside turning radius	2350(93)	2390(94)	2500(98)
24 Min. intersecting axle	2050(81)	2000(81)	2110(83)
25 Tilting angles (forward-backward)	8°-10°	8°-10°	8°-10°

Rated capacities are computed from load face of forks with mast in vertical position and apply to Wide Visible Masts with up to 3500mm (138in) max. fork height.

## MAST SPECIFICATIONS & RATED CAPACITIES

Mast Type	Maximum Fork Height	Overall Height		Free Lift	Tilt Range		Load Capacity at 500mm (20in) LC		
		Lowered	Extended		FWD	BWD	SF20L/SF20D	SF25L/SF25D	SF30L/SF30D
							mm (in)	mm (in)	deg
Wide Visible 2 Stage Mast	2000 (79)	1630 (64)	3220(127)	315 (12.5)	8	10	2000 (4000)	2500 (5000)	3000 (6000)
	2300 (91)	1780(70)	3520(139)	315(12.5)	8	10	2000 (4000)	2500(5000)	3000 (6000)
	2500 (98)	1880 (74)	3720 (146)	315(12.5)	8	10	2000 (4000)	2500(5000)	3000 (6000)
	2700 (106)	1980 (78)	3920 (154)	315(12.5)	8	10	2000 (4000)	2500(5000)	3000 (6000)
	3000 (118)	2130 (84)	4220 (166)	315(12.5)	8	10	2000 (4000)	2500(5000)	3000 (6000)
	3300 (130)	2280 (90)	4520 (178)	315(12.5)	8	10	2000 (4000)	2500(5000)	3000 (6000)
	3500 (138)	2380 (94)	4720 (186)	315(12.5)	8	10	2000 (4000)	2500(5000)	3000 (6000)
	3700 (145)	2480 (98)	4920 (193)	315(12.5)	8	10	1900 (3900)	2400(4900)	2900 (5900)
	4000 (157)	2630 (104)	5220 (205)	315(12.5)	4	6	1800 (3700)	2300(4700)	2800 (5700)
4500 (177)	3100 (122)	5720 (225)	315(12.5)	4	6	1500 (3000)	2000(4000)	2500 (5000)	
5000 (197)	3350 (132)	6220 (245)	315(12.5)	4	6	1400 (2900)	1900(3900)	2000 (4000)	
Wide Visible 3 Stage Mast	3700 (145)	1870 (74)	4820 (193)	1320 (52)	8	10	1900 (3900)	2400 (4900)	2900 (5900)
	4000 (157)	1970 (78)	5220 (205)	1420 (56)	4	6	1800 (3700)	2300 (4700)	2800 (5700)
	4300 (169)	2070 (81)	5520 (217)	1520 (60)	4	6	1700 (3500)	2200 (4500)	2700 (5500)
	4500 (177)	2130 (84)	5720 (225)	1585 (62)	4	6	1500 (3000)	2000 (4000)	2500 (5000)
	5000(197)	2300 (91)	6220 (245)	1750 (69)	4	6	1400 (2900)	1900 (3900)	2000 (4000)
	5500 (217)	2510 (99)	6720 (265)	1980 (78)	4	6	1000 (2000)	1300 (2600)	1500 (3000)
	6000 (206)	2750 (108)	7220 (284)	2230 (88)	0	3	900 (1900)	1200 (2500)	1400 (2900)
	6500 (256)	2920 (115)	7720 (304)	2400 (94)	0	3	800 (1700)	900 (1900)	1300 (2600)
	7000 (276)	3160 (124)	8220 (324)	2645 (104)	0	3	700 (1600)	800 (1700)	1000 (2000)

Note: Height of standard load/backrest is 1220mm(48in)



**HEAVY INDUSTRIES**



intern transport b.v

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