

SAMSUNG



SF

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

S E R I E S

Engine Powered
Pneumatic Tire
Lift Trucks

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

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

STANDARD SPECIFICATIONS

Characteristics	1 Manufacturer		SAMSUNG		SAMSUNG		SAMSUNG	
	2 Model		SF20L	SF20D	SF25L	SF25D	SF30L	SF30D
Dimensions	3 Load Capacity		kg(lb)		2000(4000)		2500(5000)	
	4 Load Center		mm (in)		500(20)		500(20)	
Performance	5 Power Type		LPG		LPG		LPG	
	6 Operator Position		Rider seated		Rider seated		Rider seated	
Weight	7 Tire Type		Front/Rear		Pneumatic		Pneumatic	
	8 Wheels (x = driven)		Front/Rear		2x/2		2x/2	
Chassis	9 Maximum Fork Height (MFH)		mm (in)		3000 (118)		3000 (118)	
	10 Free Lift		mm (in)		315(12.5)		315(12.5)	
Engine and Transmission	13 Fork Size		T x W x L		mm (in)		45x100x1070(1.8x3.9x42)	
	14 Tilt Range		FWD/BWD		deg		8/10	
Performance	15 Length to Fork Face		mm (in)		2545(100)		2580(102)	
	16 Overall Width		mm (in)		1210(48)		1240(49)	
Weight	18 Height		mm (in)		2130(84)		2130(84)	
	19 Mast Lowered		mm (in)		2130(84)		2130(84)	
Chassis	21 Turning Radius (Outside)		mm (in)		2350(93)		2390(94)	
	22 Load Distance (Centerline of front axle to front face of forks)		mm (in)		450(18)		450(18)	
Performance	23 Basic Right Angle Stracking Aisle Width (Add load length and clearance)		mm (in)		2800(111)		2840(112)	
	24 Travel Max. (FWD/RVS)		km/h (mph)		17.6/17.6(10.9/10.9)		18.5/18.5(11.5/11.5)	
Weight	25 Speed		mm/sec (fpm)		500(98)		500(98)	
	26 Lifting		mm/sec (fpm)		540(106)		540(106)	
Chassis	28 Max. Drawbar Pull		kg (lb)		1360(3000)		1290(2840)	
	30 Max. Gradeability		%		23.1		18.3	
Engine and Transmission	32 Total Weight		kg (lb)		3490(7690)		4160(9170)	
	33 Weight Distribution		kg (lb)		4730(10070)		6280(13310)	
Chassis	34 With Load		kg (lb)		760(1620)		880(1860)	
	35 Without Load		kg (lb)		1630(3590)		1610(3550)	
Engine and Transmission	36 Tires		Number		Front/Rear		2/2	
	37 Size		mm (in)		7.00x12-14PR		28x9x15-14PR	
Chassis	38 Wheel Base		mm (in)		1620(64)		1700(67)	
	39 Tread		mm (in)		1005(40)		1030(41)	
Engine and Transmission	40 Underclearance		mm (in)		125(4.9)		125(4.9)	
	41 Center of Wheel Base		mm (in)		205(8)		205(8)	
Chassis	42 Brake		Service (Foot)		Hydraulic		Hydraulic	
	43 Parking		Hand		Hand		Hand	
Engine and Transmission	45 Battery		Voltage/Capacity(5HR)		V/AH		12/55	
	49 Make/Model		SAE HP		(KS PS)		41.5/2100 Net	
Chassis	50 Rated Horsepower / r.p.m.		SAE ft-lb		(kg-m)		102/1800 Net	
	51 Rated Torque / r.p.m.		Number of Cylinder		4		4	
Engine and Transmission	52 Piston Displacement		cc (cc-in)		2350(143)		2350(143)	
	57 Fuel Tank Capacity		kg/lb		15(33)		15(33)	
Chassis	55 Transmission		Type		Powershift		Powershift	
	57 Operating Pressure		For Attachments		kg/cm ² (psi)		176(2500)	

Materials and specifications are subject to change without notice
Remark * Nissan BD30 assembled by SHI

STANDARD EQUIPMENT

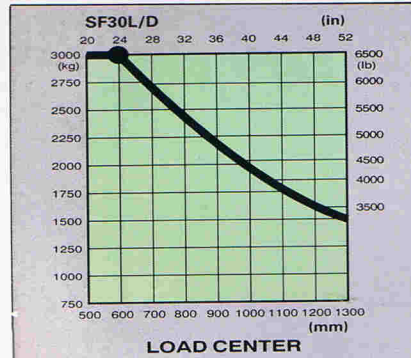
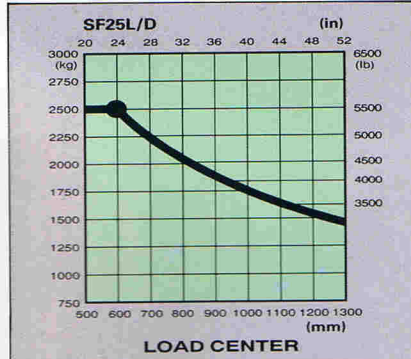
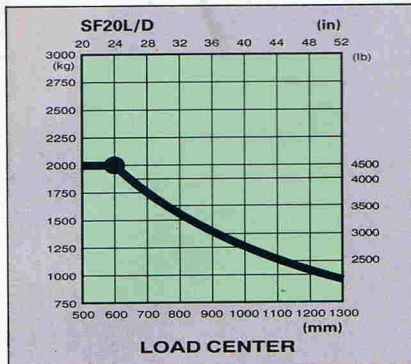
- Wide Visible Mast (MFH:3000mm(118 in))
- Halogen head and rear lights
- Rear combination lights
- Headlight guards
- Back-up alarm
- Integrated monitoring center
- Tilttable steering column
- Long life tires
- Parking brake
- Overhead guard
- Anti-ignition key switch
- Alternator with IC regulator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

OPTIONAL EQUIPMENT

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

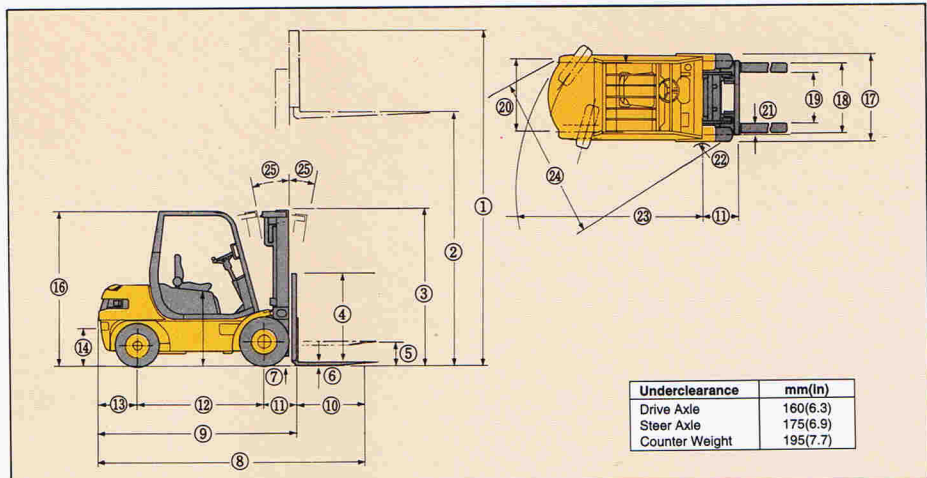
Note : Standard and optional equipment may vary. Consult your SHI dealer for more information

LOAD CAPACITY CHART



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

STANDARD DIMENSIONS



Model	SF20L/D	SF25L/D	SF30L/D
	mm(in)	mm(in)	mm(in)
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 aisle	2050(81)	2060(81)*	2110(83)
25 Tilting angles (forward-backward)	8°-10°	8°-10°	8°-10°

MAST SPECIFICATIONS & RATED CAPACITIES

Mast Type	Maximum Fork Height	Overall Height		Free Lift	Tilt Range		Load Capacity at 500m (20in) LC		
		Lowered	Extended		FWD	BWD	SF20L/SF20D	SF25L/SF25D	SF30L/SF30D
	mm (in)	mm (in)	mm (in)	mm (in)	deg	deg	kg (lb)	kg (lb)	kg (lb)
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)
Wide Visible 3 Stage Mast	5000 (197)	3350 (132)	6220 (245)	315(12.5)	4	6	1400 (2900)	1900(3900)	2000 (4000)
	3700 (145)	1870 (74)	4920 (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 (236)	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)



SAMSUNG

HEAVY INDUSTRIES



i n t e r n t r a n s p o r t b v

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