

SF

12L / 15L / 18L

Engine Powered	1200/1500/1800kg
Pneumatic Tire	2500/3000/3500lb
Lift Trucks	Capacity





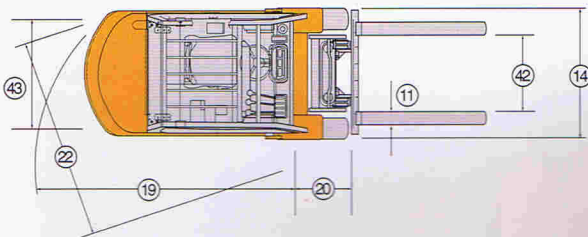
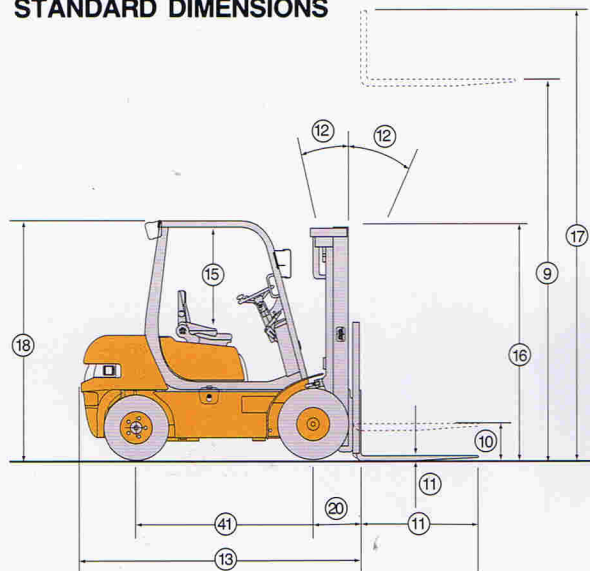
SF 12/15/18L

STANDARD SPECIFICATIONS

Characteristics	1	Manufacturer		SAMSUNG	SAMSUNG	SAMSUNG
	2	Model		SF12L	SF15L	SF18L
	3	Load Capacity	kg(lb)	1200(2500)	1500(3000)	1800(3500)
	4	Load Center	mm(in)	500(24)	500(24)	500(24)
	5	Power Type		LPG	LPG	LPG
	6	Operator Position		Rider seated	Rider seated	Rider seated
	7	Tire Type	Front/Rear	Pneumatic	Pneumatic	Pneumatic
	8	Wheels (x = driven)	Front/Rear	2 x /2	2 x /2	2 x /2
Dimensions	9	Maximum Fork Height(MFH)	mm(in)	3000(118)	3000(118)	3000(118)
	10	Free Lift	mm(in)	100(3.9)	100(3.9)	100(3.9)
	11	Fork Size	T x W x L mm(in)	40 x 100 x 1070 (1.6 x 3.9 x 42)	40 x 100 x 1070 (1.6 x 3.9 x 42)	40 x 100 x 1070 (1.6 x 3.9 x 42)
	12	Tilt Range	FWD/BWD deg.	6/10	6/10	6/10
	13	Length to Fork Face	mm(in)	2145(84.5)	2170(85.5)	2195(86.5)
	14	Overall Width	mm(in)	1110(44)	1110(44)	1110(44)
	15	Overhead guard clearance(from face of seat)	mm(in)	1010(40)	1010(40)	1010(40)
	16	Height	Mast Lowered mm(in)	2090(81)	2090(81)	2090(81)
	17		Mast Extended mm(in)	4230(167)	4230(167)	4230(167)
	18		Overhead Guard mm(in)	2060(81)	2060(81)	2060(81)
	19	Turning Radius(Outside)	mm(in)	2020(79)	2045(80)	2070(81)
	20	Load Distance (Centerline of front axle to front face of forks)	mm(in)	390(15)	390(15)	390(15)
	21	Basic Right Angle Stacking Aisle Width (Add load length and clearance)	mm(in)	2435(95)	2455(96)	2475(97)
	22	Min. intersecting aisle	mm(in)	2050(81)	2060(81)	2110(83)
Performance	23	Speed	Travel Max. (FWD/RVS)	With Load km/h(mph)	16.5 / 16.5(10.2 / 10.2)	16.3 / 16.3(10.1 / 10.1)
	24			Without Load km/h(mph)	17.4 / 17.4(10.8 / 10.8)	17.4 / 17.4(10.8 / 10.8)
	25			With Load mm/sec(fpm)	530(104)	530(104)
	26			Without load mm/sec(fpm)	570(112)	570(112)
	27	Max. Drawbar Pull	With Load mm/sec(fpm)	510(100)	510(100)	510(100)
	28		Without Load mm/sec(fpm)	510(100)	510(100)	510(100)
	29		With Load kg(lb)	1340(2960)	1350(2980)	1350(2980)
	30		Without Load kg(lb)	620(1370)	600(1320)	520(1150)
Weight	31	Max. Gradeability	With Load %	35.7	31.8	28.5
	32		Without Load %	21.4	20.0	16.8
	33	Total Weight	kg(lb)	2570(5650)	2690(5930)	2820(6210)
	34	Weight Distribution	Front	kg(lb)	3260(7050)	3730(7950)
	35		Rear	kg(lb)	510(1100)	460(980)
	36		Without Load Front	kg(lb)	1270(2800)	1240(2730)
	37		Without Load Rear	kg(lb)	1300(2850)	1450(3200)
Chassis	38	Tires	Number Front/Rear	2/2	2/2	2/2
	39		Size Front	6.5 x 10-12PR	6.5 x 10-12PR	6.5 x 10-12PR
	40		Rear	5 x 8-8PR	5 x 8-8PR	5 x 8-8PR
	41	Wheel Base	mm(in)	1350(53)	1350(53)	1350(53)
	42	Tread	Front	mm(in)	930(37)	930(37)
	43		Rear	mm(in)	900(35)	900(35)
	44	Underclearance	at lowest point (Mast)	mm(in)	117(4.6)	117(4.6)
	45		Center of Wheel Base	mm(in)	117(4.6)	117(4.6)
Engine and Transmission	46	Brake	Service(Foot)	Hydraulic	Hydraulic	Hydraulic
	47		Parking	Hand	Hand	Hand
	48	Battery	Voltage/Capacity(5HR)	V/AH	12/45	12/45
	49	Internal Combustion Engine	Make/Model	Mitsubishi 4G63	Mitsubishi 4G63	Mitsubishi 4G63
	50		Rated Horsepower/r.p.m	SAE HP (KS PS)	34.1 / 2300 Net (34.6 / 2300)	34.1 / 2300 Net (34.6 / 2300)
	51		Rated Torque/r.p.m	SAE ft-lb (kg-m)	86 / 1600 Net (12 / 1600)	86 / 1600 Net (12 / 1600)
	52		Number of Cylinder		4	4
	53	Transmission	Piston Displacement	cc(cc-in)	1997(122)	1997(122)
	54		Fuel Tank Capacity	kg/lb	15(33)	15(33)
	55		Type		Powershift	Powershift
	56	Transmission	Stage	FWD/RVS	1/1	1/1
	57		Operating Pressure For Attachments	kg/cm²(psi)	176(2500)	193(2750)
						210(300)

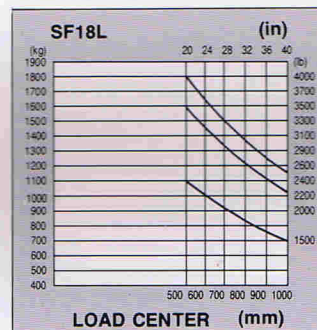
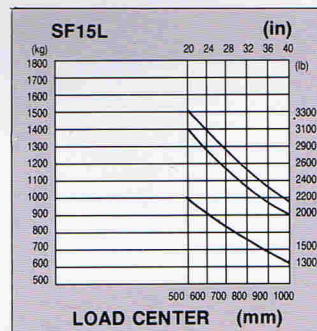
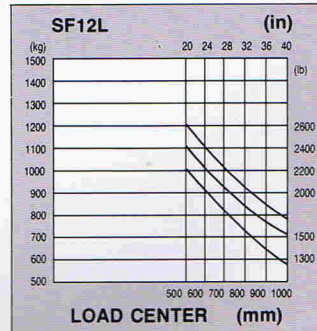
Materials and specifications are subject to change without notice

STANDARD DIMENSIONS



Underclearance	mm(in)
Drive Axle	127(5.0 in)
Steer Axle	140(5.5 in)
Counter Weight	140(5.5 in)

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 EQUIPMENT

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

OPTIONAL EQUIPMENT

- Solid Tires
- Long and short forks

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

MAST SPECIFICATIONS & RATED CAPACITIES

Mast Type	Maximum Fork Height	Overall Height		Free Lift	Tilt Range		Load capacity at 500mm (24in) LC		
		Lowered	Extended		FWD	BWD	SF12L	SF15L	SF18L
	mm(in)	mm(in)	mm(in)	mm(in)	deg.	deg.	kg(lb)	kg(lb)	kg(lb)
Wide Visible 2 Stage Mast	2000(79)	1590(63)	3230(127)	100(3.9)	6	10	1200(2500)	1500(3000)	1800(3500)
	2300(91)	1740(69)	3530(139)	100(3.9)	6	10	1200(2500)	1500(3000)	1800(3500)
	2500(98)	1840(73)	3730(147)	100(3.9)	6	10	1200(2500)	1500(3000)	1800(3500)
	2700(106)	1940(76)	3930(155)	100(3.9)	6	10	1200(2500)	1500(3000)	1800(3500)
	3000(118)	2090(82)	4230(167)	100(3.9)	6	10	1200(2500)	1500(3000)	1800(3500)
	3300(130)	2240(88)	4530(178)	100(3.9)	6	10	1200(2500)	1500(3000)	1800(3500)
	3500(138)	2340(92)	4730(186)	100(3.9)	6	10	1200(2500)	1500(3000)	1800(3500)
	3700(145)	2440(96)	4930(194)	100(3.9)	6	10	1200(2500)	1400(2900)	1700(3500)
	4000(157)	2590(102)	5230(206)	100(3.9)	4	6	1100(2400)	1400(2900)	1600(3400)
	4500(177)	3055(120)	5730(226)	100(3.9)	4	6	1000(2200)	1300(2800)	1350(2850)
Wide Visible 3 Stage Mast	5000(197)	3305(130)	6230(245)	100(3.9)	4	6	900(1900)	1000(2200)	1100(2400)
	3700(145)	1855(73)	4940(194)	1315(52)	6	6	1200(2500)	1500(3000)	1800(3500)
	4000(157)	1955(77)	5240(206)	1415(56)	4	6	1100(2400)	1400(2900)	1600(3400)
	4300(169)	2055(81)	5540(218)	1515(60)	4	6	1050(2300)	1350(2850)	1500(3000)
	4500(177)	2120(84)	5740(226)	1580(62)	4	6	1000(2200)	1300(2800)	1350(2850)
	5000(197)	2290(90)	6240(246)	1745(69)	4	6	900(1900)	1000(2200)	1100(2400)
	5500(217)	2495(98)	6740(265)	1975(78)	4	6	700(1500)	750(1600)	800(1700)
	6000(236)	2740(108)	7240(285)	2225(88)	1.5	3	500(1100)	550(1200)	600(1300)



HEAVY INDUSTRIES

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SAMSUNG ISO 9001 QUALITY

Samsung's relentless pursuit of high quality standards has resulted in our recent ISO 9001 certification for the design/development, production, installation and servicing of our Forklifts.

