

SPECIFICATIONS

CHARACTERISTICS			FG15N		FG18N		FG20CN		FG20N		FG20N-HO		FD20N		FG25N		FG25N-HO		FD25N		FG28N		FD28N		FG30N		FD30N		FG33N		FD33N		FG35N		FD35N							
1	Capacity	at rated load center	lb	kg	3000	1500	3500	1750	4000	2000			4000	2000	4000	2000	5000	2500	5000	2500			5500	2800	5500	2800	6000	3000	6000	3000	6500	3300	6500	3300	7000	3500	7000	3500				
2		at load center – distance	in	mm	24	500	24	500	24	500			24	500	24	500	24	600	24	500	24	500			24	500	24	500	24	500	24	500	24	500	24	500	24	500				
3	Power	electric, diesel, gasoline, LP gas	gasoline/LP gas		gasoline/LP gas		gasoline/LP gas						gasoline/LP gas		gasoline/LP gas		diesel		gasoline/LP gas		diesel		gasoline/LP gas		diesel		gasoline/LP gas		diesel		gasoline/LP gas		diesel		gasoline/LP gas		diesel					
4	Tire type	cushion, pneumatic	pneumatic		pneumatic		pneumatic						pneumatic		pneumatic		pneumatic		pneumatic		pneumatic		pneumatic		pneumatic		pneumatic		pneumatic		pneumatic		pneumatic		pneumatic		pneumatic					
5	Wheels (x=driven)	number front / rear	2x / 2		2x / 2		2x / 2						2x / 2		2x / 2		2x / 2		2x / 2		2x / 2		2x / 2		2x / 2		2x / 2		2x / 2		2x / 2		2x / 2		2x / 2		2x / 2					
DIMENSIONS																																										
10	Lift	maximum fork height with rated load	in	mm	162	4120	162	4120	162	4130			162	4140	162	4140	162	4140	162	4140	162	4140			178	4540	178	4540	171	4360	171	4360	179	4550	179	4550			179	4550	179	4550
11	Lift with standard	maximum fork height	in	mm	130	3320	130	3320	131	3330			131	3340	131	3340	131	3340	131	3340	131	3340			130	3310	130	3310	130	3310	131	3350	131	3350	131	3350	131	3350	131	3350		
12	two-stage mast	free fork height	in	mm	4.5	115	4.5	115	4.5	115			5.5	140	5.5	140	5.5	140	5.7	145	5.7	145			5.9	150	5.9	150	5.9	150	5.9	150	5.9	150	5.9	150	5.9	150	5.9	150		
13	Forks	thickness x length x width	in	mm	1.4x3.9x42	35x100x1070	1.4x3.9x42	35x100x1070	1.6x4x42	40x100x1070			1.6x4x42	40x100x1070	1.6x4x42	40x100x1070	1.6x4x42	40x100x1070	1.6x4x42	40x100x1070	1.6x4x42	40x100x1070			1.8x5x42	45x100x1070	1.8x5x42	45x100x1070	1.8x5x42	45x100x1070	1.8x5x42	45x100x1070	2x5x42	50x125x1070	2x5x42	50x125x1070	2x5x42	50x125x1070	2x5x42	50x125x1070		
13	Fork spacing	out-to out minimum / maximum	in	mm	7.9 / 36.2	200 / 920	7.9 / 36.2	200 / 920	7.9 / 36.2	200 / 920			7.9 / 36.2	200 / 920	8.7 / 39.4	220 / 1000	8.7 / 39.4	220 / 1000	8.7 / 39.4	220 / 1000	8.7 / 39.4	220 / 1000			9.8 / 39.4	250 / 1000	9.8 / 39.4	250 / 1000	9.8 / 39.4	250 / 1000	9.8 / 39.4	250 / 1000	9.8 / 39.4	250 / 1000	9.8 / 39.4	250 / 1000	9.8 / 39.4	250 / 1000	9.8 / 39.4	250 / 1000		
14	Tilt	forward / backward	deg		6/10		6/10		6/10				6/10		6/10		6/10		6/10		6/10				6/10		6/10		6/10		6/10		6/10		6/10		6/10					
15	Overall Dimensions	length to fork face	in	mm	89.0	2260	91.0	2300	93.0	2355			98.0	2490	98.0	2490	98.0	2490	100.0	2550	100.0	2550			104.0	2645	104.0	2645	107.0	2720	107.0	2720	108.0	2750	108.0	2750	110.0	2790	110.0	2790		
width		with standard tires	in	mm	42.0	1065	42.0	1065	42.0	1065			45.5	1150	45.5	1150	45.5	1150	45.5	1150	45.5	1150			50.0	1275	50.0	1275	50.0	1275	50.0	1275	50.0	1275	51.0	1290	51.0	1290				
		w/ optional duals	in	mm	NA	NA	NA	NA	NA	NA			58.5	1480	58.5	1480	58.5	1480	58.5	1480	58.5	1480			59.0	1490	59.0	1490	59.0	1490	59.0	1490	59.0	1490	59.0	1490	59.0	1490				
height		with lowered mast	in	mm	84.5	2140	84.5	2140	84.5	2140			84.5	2140	84.5	2140	84.5	2140	84.5	2140	84.5	2140			85.5	2170	85.5	2170	85.5	2170	85.5	2170	85.5	2170	91.0	2300	91.0	2300				
		seat height	in	mm	36.5	929	36.5	929	36.5	929			37.0	938	37.0	938	37.0	938	37.0	938	37.0	938			39.0	988	39.0	988	39.0	988	39.0	988	39.0	988	39.0	988	39.0	988				
		to top of overhead guard	in	mm	83.0	2100	83.0	2100	83.0	2100			83.0	2105	83.0	2105	83.0	2105	83.0	2105	83.0	2105			84.0	2125	84.0	2125	84.0	2125	84.0	2125	84.0	2125	84.5	2140	84.5	2140				
20		with extended mast	in	mm	180.0	4550	180.0	4550	180.0	4550			180.0	4570	180.0	4570	180.0	4570	180.0	4570	180.0	4570			179.0	4540	179.0	4540	179.0	4540	179.0	4540	180.0	4570	180.0	4570						
21	Minimum outside turning radius		in	mm	77.0	1950	78.0	1980	79.5	2020			86.5	2200	86.5	2200	86.5	2200	88.0	2230	88.0	2230			91.0	2315	91.0	2315	94.0	2380	94.0	2380	96.0	2430	96.0	2430	96.0	2440	96.0	2440		
22	Load moment constant		in	mm	15.7	400	15.7	400	16.3	415			17.9	455	17.9	455	17.9	455	17.9	455	17.9	455			19.3	490	19.3	490	19.3	490	19.3	490	19.3	490	19.3	490	19.3	490				
23	Minimum aisle – 90° stack – zero clearance w/o load		in	mm	96.5	2450	97.5	2480	100.0	2540			109.0	2760	109.0	2760	109.0	2760	110.0	2790	110.0	2790			114.0	2910	114.0	2910	117.0	2970	117.0	2970	119.0	3020	119.0	3020	119.0	3030	119.0	3030		
PERFORMANCE																																										
40	Speeds	travel loaded / empty	mph	km/h	11.0/12.0	17.5/19.0	11.0/11.5	17.5/19.0	11.0/11.5	18.0/18.5			10.5/11.5	17.0/18.5	10.5/11.5	17.0/18.5	10.5/11.5	17.0/18.5	10.5/11.5	17.0/18.5	10.5/11.5	17.0/18.5			10.5/11.0	17.0/18.0	10.5/11.0	17.0/18.0	10.5/11.0	16.0/17.5	10.5/11.0	17.0/18.0	10.5/11.5	16.5/18.0	11.0/11.5	17.5/18.5	10.0/11.5	16.5/18.0				
41		lift speed loaded / empty	fpm	mm/s	120/125	620/630	120/125	620/630	120/125	620/630			110/115	570/580	125/130	630/650	120/125	610/640	110/115	570/580	125/130	630/650			99/100	500/520	99/100	500/520	99/100	500/520	96/100	490/510	99/100	500/520	96/100	490/510	83/86	420/440	80/85	410/430		
42		lowering speed loaded / empty	fpm	mm/s	98/98	500/500	98/98	500/500	98/98	500/500			98/98	500/500	98/98	500/500	98/98	500/500	98/98	500/500	98/98	500/500			98/98	500/500	98/98	500/500	98/98	500/500	98/98	500/500	98/98	500/500	98/98	500/500	98/98	500/500	98/98	500/500		
43	Drawbar pull	loaded (60 min. rating)	lb	N	3575	15,900	3550	15,700	3450	15,400			3550	15,800	4225	18,800	4000	18,000	3500	15,600	4175	18,600			4175	18,500	4175	18,500	4150	18,400	3875	17,200	3975	17,700	3700	16,400	3950	17,600	3675	16,300		
44		loaded maximum (5 min. rating)	lb	N	4125	18,300	4100	18,200	4000	17,800			4150	18,400	4800	21,300	4475	19,900	4100	18,200	4750	21,100			4750	21,100	4750	21,100	4725	21,000	4325	19,300	4500	20,100	4134	18,400	4489	20,000	4110	18,300		
44	Gradeability	loaded at 1 mph (1.6km)	%		40.0		39.0		33.0				32.0		39.0		36.0		27.0		33.0				29.0		29.0		27.0		25.0		23.7		21.7		22.5		20.6			
		maximum loaded / empty	%		40.1 / 18.4		39.7 / 16.0		38.8 / 14.4				37.8 / 18.8		40.2 / 18.8		40.4 / 18.7		32.0 / 16.4		37.8 / 16.4				33.0 / 16.9		29.7 / 16.9		30.9 / 17.3		27.7 / 17.3		27.1 / 17.3		25.8 / 14.8		23.2 / 14.9					
WEIGHT																																										
50	Empty		lb	kg	5500	2500	6000	2700	6600	3000			7300	3300	7300	3300	7500	3425	7900	3600	7900	3600			9100	4125	9300	4225	9300	4250	9600	4350	10,000	4575	10,300	4675	10,200	4650	10,500	4775		
51	Axle load	with rated load front / rear	lb	kg	7900/960	3575/440	8700/1140	3925/520	9600/1410	4375/640			10,200/1450	4650/660	10,200/1450	4650/660	10,300/1590	4700/720	12,000/1470	5400/670	12,000/1470	5400/670			13,400/1810	6100/770	13,500/1840	610														