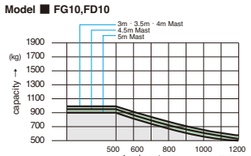
Specifications

							FG10-20	FD10-20	FG15-20	FD15-20	FG15H-20	FG18-20	FD18-20	FG18H-20	FG20-16	FD20-17	FG20H-16	FD20H-17	FG25-16	FD25-17	FG25H-16	FD25H-17	FG30-16	FD30-17	FD30H-17	FG35AT-16	FD35AT-17	FG20NT-16	FG25NT-16	FG30NT-16
							TORQFLOW[Clutch]	TORQFLOW[Clutch]	TORQFLOW[Clutch]	TORQFLOW[Clutch]	TORQFLOW[Clutch]	TORQFLOW[Clutch]	TORQFLOW[Clutch]	TORQFLOW[Clutch]	TORQFLOW	TORQFLOW[Clutch]	TORQFLOW	TORQFLOW	TORQFLOW	TORQFLOW[Clutch]	TORQFLOW	TORQFLOW	TORQFLOW	TORQFLOW[Clutch]	TORQFLOW	TORQFLOW	TORQFLOW	TORQFLOW	TORQFLOW	TORQFLOW
Characteristics	1.2	Model	Manufacturer's Designation																											
	1.3	Power Type	Transmission	Electric, Diesel, Gasoline, LPG			Gasoline	Diesel	Gasoline	Diesel	Gasoline	Gasoline	Diesel	Gasoline	Gasoline	Diesel	Gasoline	Diesel	Gasoline	Diesel	Gasoline	Diesel	Gasoline	Diesel	Diesel	Gasoline	Diesel	Gasoline	Gasoline	Gasoline
	1.4	Operation Type					Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting
	1.5	Rated Capacity	Q	Rated Capacity		kg	1000	1000	1500	1500	1500	1750	1750	1750	2000	2000	2000	2000	2500	2500	2500	2500	3000	3000	3000	3500	3500	2000	2500	3000
	1.6	Load Center	c	Rated Load Center		mm	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
	1.6.1	Alternative Capacity	Q2	Capacity@600mm Load Center		kg	900	900	1350	1350	1350	1570	1570	1570	1810	1810	1810	1810	2260	2260	2260	2260	2720	2720	2720	3180	3180	1800	2250	2710
	1.8	Load Distance	x	Front Axle Center to Fork Face		mm	400	400	405	405	405	405	405	405	460	460	460	460	465	465	465	465	490	490	490	505	505	430	435	440
	1.9	Wheelbase	y			mm	1400	1400	1400	1400	1400	1400	1400	1400	1650	1650	1650	1650	1650	1650	1650	1650	1700	1700	1700	1700	1700	1400	1400	1450
Weight	2.1	Service Weight				kg	2080[2120]	2180[2220]	2450[2490]	2550[2590]	2450[2490]	2645[2685]	2745[2785]	2645[2685]	3220	3305[3345]	3220	3305	3590	3680[3720]	3590	3680	4210	4310[4345]	4310	4910	4950	3230	3630	4070
	2.2	Axle Loading	Loaded		Front	kg	2725[2760]	2760[2790]	3500[3335]	3530[3565]	3500[3335]	3870[3905]	3900[3935]	3870[3905]	4670	4710[4735]	4670	4710	5420	5475[5495]	5420	5475	6390	6435[6460]	6435	7440	7430	4600	5350	6250
	2.2.1				Rear	kg	355[360]	420[430]	450[455]	520[525]	450[455]	525[530]	595[600]	525[530]	550	595[610]	550	595	670	705[725]	670	705	820	875[885]	875	970	1020	630	780	820
	2.3		Unloaded		Front	kg	1065[1100]	1095[1130]	1005[1040]	1035[1070]	1005[1040]	960[995]	990[1025]	960[995]	1480	1520[1545]	1480	1520	1430	1470[1500]	1430	1470	1600	1640[1670]	1640	1820	1810	1250	1140	1260
	2.3.1				Rear	kg	1015[1020]	1085[1090]	1445[1450]	1515[1520]	1445[1450]	1685[1690]	1755[1760]	1685[1690]	1740	1785[1800]	1740	1785	2160	2210[2220]	2160	2210	2610	2670[2675]	2670	3090	3140	1980	2490	2810
Tyres	3.1	Tyre Type					Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	SSCT	SSCT	SSCT
	3.2	Tyre Size	Front				6.50-10-10PR(I)	6.50-10-10PR(I)	6.50-10-10PR(I)	6.50-10-10PR(I)	6.50-10-10PR(I)	6.50-10-10PR(I)	6.50-10-10PR(I)	6.50-10-10PR(I)	7.00-12-12PR(I)	7.00-12-12PR(I)	7.00-12-12PR(I)	7.00-12-12PR(I)	7.00-12-12PR(I)	7.00-12-12PR(I)	7.00-12-12PR(I)	7.00-12-12PR(I)	28x9-15-12PR(I)	28x9-15-12PR(I)	28x9-15-12PR(I)	250-15-16PR(I)	250-15-16PR(I)	22 1/4x7 1/2-15/5.50	22 1/4x7 1/2-15/5.50	22 1/4x7 1/2-15/5.50
	3.3		Rear				5.00- 8- 8PR(I)	5.00-8-8PR(I)	5.00- 8- 8PR(I)	5.00-8-8PR(I)	5.00- 8- 8PR(I)	5.00- 8- 8PR(I)	5.00-8-8PR(I)	5.00- 8- 8PR(I)	6.00-9-10PR(I)	6.00-9-10PR(I)	6.00-9-10PR(I)	6.00-9-10PR(I)	6.00-9-10PR(I)	6.00-9-10PR(I)	6.00-9-10PR(I)	6.00-9-10PR(I)	6.50-10-10PR(I)	6.50-10-10PR(I)	6.50-10-10PR(I)	6.50-10-12PR(I)	6.50-10-12PR(I)	17 3/4x6 1/2 -10/5.00	17 3/4x6 1/2 -10/5.00	17 3/4x6 1/2 -10/5.00
	3.5	Number of Wheels	Front/Rear (x=driven)				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	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2
	3.6	Tread, Front	b4			mm	890	890	890	890	890	890	890	890	965	965	965	965	965	965	965	965	1005	1005	1005	1060	1060	900	900	900
	3.7	Tread, Rear	b3			mm	895	895	895	895	895	895	895	895	960	960	960	960	960	960	960	960	965	965	965	965	965	885	885	885
Dimensions	4.1	Tilting Angle	α / β	Forward/Backward		degree	6/10	6/10	6/10	6/10	6/10	6/10	6/10	6/10	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/10	6/10	6/10
	4.2	Mast Height, Lowered	h1	2-stage Mast		mm	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	2070	2070	2070	2100	2100	1995	1995	2070
	4.3	Std. Free Lift	h2	2-stage Std. Mast, from Ground		mm	135	135	140	140	140	140	140	140	150	150	150	150	155	155	155	155	160	160	160	140	145	150	155	160
	4.4	Std. Lift Height	h3	2-stage Std. Mast, from Ground		mm	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
	4.5	Mast Height, Extended	h4	2-stage Std. Mast		mm	3955	3955	3955	3955	3955	3955	3955	3955	4050	4050	4050	4050	4050	4050	4050	4050	4275	4275	4275	4280	4280	4050	4050	4275
	4.7	Height, Overhead Guard	h6			mm	2030	2030	2030	2030	2030	2030	2030	2030	2070	2110	2070	2110	2070	2110	2070	2110	2090	2130	2130	2105	2145	2025	2025	2025
	4.19	Length, with Std. Forks	L1			mm	2965	2965	3160	3160	3160	3200	3200	3200	3450	3450	3450	3450	3655	3655	3655	3655	3775	3775	3775	3865	3865	3260	3475	3535
	4.20	Length, to Fork Face	L2			mm	2195	2195	2240	2240	2240	2280	2280	2280	2530	2525	2530	2525	2585	2580	2585	2580	2705	2705	2705	2790	2795	2340	2405	2465
	4.21	Width, at Tyre	b1	Single		mm	1070	1070	1070	1070	1070	1070	1070	1070	1150	1150	1150	1150	1150	1150	1150	1150	1235	1235	1235	1290	1290	1090	1090	1090
	4.22	Forks	s/e/l	Thickness x Width x Length		mm	31x100x770	31x100x770	35x100x920	35x100x920	35x100x920	35x100x920	35x100x920	35x100x920	36x122x920	36x122x920	36x122x920	36x122x920	40x122x1070	40x122x1070	40x122x1070	40x122x1070	45x122x1070	45x122x1070	45x122x1070	50x150x1070	50x150x1070	36x122x920	40x122x1070	45x122x1070
	4.23	Fork Carriage Class	ISO 2328, Type A/B/no				Class 2,A	Class 2,A	Class 2,A	Class 2,A	Class 2,A	Class 2,A	Class 2,A	Class 2,A	Class 2,A	Class 2,A	Class 2,A	Class 2,A	Class 2,A	Class 2,A	Class 2,A	Class 2,A	Class 3,A	Class 3,A	Class 3,A	Class 3,A	Class 3,A	Class 2,A	Class 2,A	Class 3,A
	4.24	Width, Fork Carriage	b2			mm	970	970	970	970	970	970	970	970	1020	1020	1020	1020	1020	1020	1020	1020	1060	1060	1060	1060	1060	960	960	940
	4.31	Ground Clearance	m1	Under Mast		mm	120	120	120	120	120	120	120	120	115	115	115	115	115	115	115	115	135	135	135	135	135	105	105	105
	4.32		m2	at Center of Wheelbase		mm	130	130	130	130	130	130	130	130	160	160	160	160	160	160	160	160	185	185	185	185	185	115	115	115
	4.33	Right Angle Stacking Aisle	Ast	with L1000 x W1200 pallet		mm	3315	3315	3360	3360	3360	3395	3395	3395	3650	3650	3650	3650	3775	3775	3775	3775	3930	3930	3930	4055	4055	3410	3555	3620
	4.34		Ast	with L1200 x W800 pallet		mm	3515	3515	3560	3560	3560	3595	3595	3595	3850	3850	3850	3850	3905	3905	3905	3905	4060	4060	4060	4185	4185	3610	3685	3750
	4.35	Turning Radius	Wa			mm	1915	1915	1955	1955	1955	1990	1990	1990	2190	2190	2190	2190	2240	2240	2240	2240	2370	2370	2370	2480	2480	1980	2050	2110
Performance	5.1	Travel Speed (FWD)	Loaded, 1st/2nd			km/h	19.0[9.0/19.0]	19.0[8.5/19.0]	18.5[8.5/18.5]	18.5[8.5/19.0]	18.5[8.5/18.5]	18.5[8.5/18.5]	18.5[8.5/18.5]	18.5[8.5/18.5]	18.5	18.5[8.5/18.5]	19.0	18.5	18.5	18.5[8.5/18.5]	19.0	18.5	18.5	17.0[7.5/17.0]	18.5	18.0	18.0	17.0	16.5	16.0
			Unloaded, 1st/2nd			km/h	19.0[9.0/19.0]	19.5[8.5/19.5]	19.0[9.0/19.0]	19.0[8.5/19.5]	19.0[9.0/19.0]	19.0[9.0/19.0]	19.0[8.5/19.0]	19.0[9.0/19.0]	19.0	19.0[8.5/19.0]	19.5	19.0	19.0	19.0[8.5/19.0]	19.5	19.0	19.5	17.5[8.0/17.5]	19.0	19.0	18.5	16.5	16.5	16.0
	5.2	Lifting Speed	Loaded			mm/s	580	620	570	620	590	570	620	590	545	590	620	660	545	590	620	660	515	490	550	410	450	545	545	515
			Unloaded			mm/s	640	670	640	670	640	640	670	640	600	630	670	710	600	630	670	710	550	530	595	450	490	600	600	550
	5.3	Lowering Speed	Loaded			mm/s	500	500	500	500	500	500	500	500	450	450	450	450	450	450	450	450	420	420	420	400	420	450	450	420
			Unloaded			mm/s	550	550	550	550	550	550	550	550	500	500	500	500	500	500	500	500	500	500	500	400	400	500	500	500
	5.6	Max. Drawbar Pull	Loaded			KN	10[11]	13[14]	10[11]	13[14]	15[14]	10[11]	13[14]	15[14]	14	14[13]	19	18	14	14[13]	19	18	18	14[14]	17	17	17	14	14	16
	5.8	Max. Gradeability	Loaded			%	34[38]	49[41]	26[27]	33[31]	37[35]	25[24]	29[28]	33[32]	28	28[26]	38	37	23	23[22]	32	31	26	20[20]	25	20	21	27	23	24
	5.10	Service Brake	Operation/Control				Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic
	5.11	Parking Brake	Operation/Control				Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical
	5.12	Steering	Type				FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS
	6.4	Battery	Voltage/ Capacity at 5-hour rating			V/ah	12/33	12/64	12/33	12/64	12/33	12/33	12/64	12/33	12/33	12/64	12/33	12/64	12/33	12/64	12/33	12/64	12/33	12/64	12/33	12/64	12/64	12/33	12/64	12/33	12/33	12/33
I.C Engine	7.1	Maker Model					NISSAN K15	Komatsu 4D92E	NISSAN K15	Komatsu 4D92E	NISSAN K21	NISSAN K15	Komatsu 4D92E	NISSAN K21	NISSAN K21	Komatsu 4D94LE	NISSAN K25	Komatsu 4D98E	NISSAN K21	Komatsu 4D94LE	NISSAN K25	Komatsu 4D98E	NISSAN K25	Komatsu 4D94LE	Komatsu 4D98E	NISSAN K25	Komatsu 4D98E	NISSAN K21	NISSAN K21	NISSAN K25
	7.2	Rated Output, SAE net				KW	27.2@2500	34.6@2450	27.2@2500	34.6@2450	34.6@2450	27.2@2500	34.6@2450	34.6@2450	34.6@2450	34.2@2200	42.6@2400	44.1@2450	34.6@2450	34.2@2200	42.6@2400	44.1@2450	42.6@2400	34.2@2200	44.1@2450	42.6@2400	44.1@2450	34.6@2450	34.6@2450	42.6@2400
	7.3	Rated RPM				min-1	2500	2450	2500	2450	2450	2500	2450	2450	2450	2200	2400	2450	2450	2200	2400	2450	2400	2200	2450	2400	2450	2450	2450	2400
	7.3.1	Max. Torque, SAE net				Nm@min-1	113@1600	142@1800	113@1600	142@1800	152@1600	113@1600	142@1800	152@1600	152@1600	162@1500	186@1600	183@1500	152@1600	162@1500	186@1600	183@1500	186@1600	162@1500	183@1500	186@1600	183@1500	152@1600	152@1600	186@1600
	7.4	No. of Cylinders/Displacement				cm^3	4-1486	4-2659	4-1486	4-2659	4-2065	4-1486	4-2659	4-2065	4-2065	4-3052	4-2488	4-3318	4-2065	4-3052	4-2488	4-3318	4-2488	4-3052	4-3318	4-2488	4-3318	4-2065	4-2065	4-2488
Others	7.6	Fuel Tank Capacity				Ltr	40	40	40	40	40	40	40	40	58	58	58	58	58	58	58	58	58	58	58	58	58	40	40	40
	8.2	Relief Pressure for Attachment				bar	172	172	172	172	172	172	172	172	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181

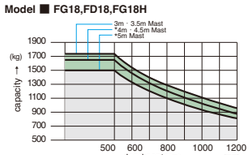
■AX50 Series Standard Model

Load capacity curve 2-stage free view mast

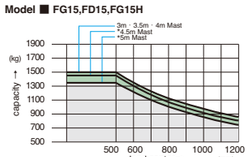
Model ■ FG10,FD10



Model ■ FG18,FD18,FG18H



Model ■ FG15,FD15,FG15H

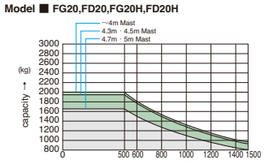


Note 1:Load capacity at other than the 500mm load center reference only.
Note 2:"Values when double front tyres are installed.

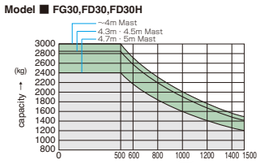
■BX50 Series Standard Model

Load capacity curve 2-stage free view mast

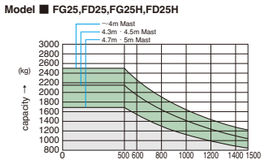
Model ■ FG20,FD20,FG20H,FD20H



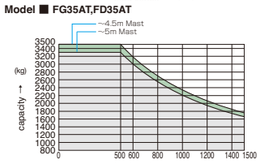
Model ■ FG30,FD30,FG30H



Model ■ FG25,FD25,FG25H,FD25H



Model ■ FG35AT,FD35AT

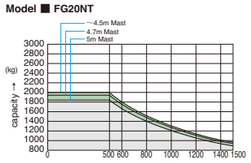


Note:Load capacity at other than the 500mm load center reference only.

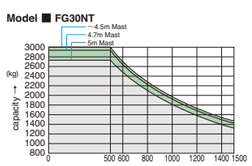
■BX50 109 Series

Load capacity curve 2-stage free view mast

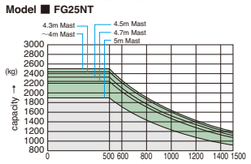
Model ■ FG20NT

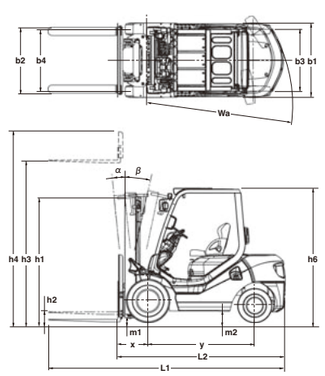


Model ■ FG30NT



Model ■ FG25NT



Note:Load capacity at other than the 500mm load center reference only.

■Dimensions