

SPECIFICATIONS

AX50 (1.0 - 1.8ton) Series

					FG10T-21	FG10C-21	FD10T-21	FD10C-21		
Characteristics	1.2	Model	Manufacturer's Designation							
	1.3	Power Type	Electric, Diesel, Gasoline, LPG		Gasoline		Diesel			
	1.4	Operation Type			Sitting		Sitting			
	1.5	Rated Capacity	Rated Capacity		kg	1000	1000			
	1.6	Load Center	Rated Load Center		mm	500	500			
	1.6.1	Alternative Capacity	Capacity @ 600mm Load Center		kg	900	900			
	1.8	Load Distance	Front Axle Center to Fork Face		mm	L2	400			
	1.9	Wheelbase			mm	L3	1400			
	Weight	2.1	Service Weight			kg	2080	2120	2180	2220
2.2		Axle Loading	Loaded	Front	kg	2725	2760	2760	2790	
2.2.1				Rear	kg	355	360	420	430	
2.3			Unloaded	Front	kg	1065	1100	1095	1130	
2.3.1				Rear	kg	1015	1020	1085	1090	
Tyres	3.1	Tyre Type			Pneumatic		Pneumatic			
	3.2	Tyre Size	Front		6.50-10-10PR(I)		6.50-10-10PR(I)			
	3.3		Rear		5.00-8-8PR(I)		5.00-8-8PR(I)			
	3.5	Number of Wheel	Front/Rear (x=driven)		2*/2		2*/2			
	3.6	Tread, Front			mm	b4	890			
	3.7	Tread, Rear			mm	b3	895			
	Dimensions	4.1	Tilting Angle	Forward/Backward		degree	6/10		6/10	
4.2		Mast Height, Lowered	2-stage Mast		mm	h2	1995		1995	
4.3		Std. Free Lift	2-stage Std. Mast, from Ground		mm		135		135	
4.4		Std. Lift Height	2-stage Std. Mast, from Ground		mm	h1	3000		3000	
4.5		Mast Height, Extended	2-stage Std. Mast		mm	h3	3955		3955	
4.7		Height, Overhead Guard			mm	h4	2070		2070	
4.19		Length, with Std. Forks			mm	L1	2965		2965	
4.20		Length, to Fork Face			mm		2195		2195	
4.21		Width, at Tyre	Single		mm	b1	1070		1070	
4.22		Forks	Thickness x Width x Length		mm		31x100x770		31x100x770	
4.23		Fork Carriage Class	ISO 2328, Type A/B/no		Class 2, Type A		Class 2, Type A			
4.24		Width, Fork Carriage			mm		970		970	
4.31		Ground Clearance	Under Mast		mm		120		120	
4.32			at Center of Wheelbase		mm		130		130	
4.33		Right Angle Stacking Aisle	with L1000 x W1200 pallet		mm		3315		3315	
4.34	with L1200 x W800 pallet		mm		3515		3515			
4.35	Turning Radius			mm	Wa	1915		1915		
Performance	5.1	Travel Speed (FWD)	Loaded, 1st/2nd	km/h	19.0	9.0/19.0	19.0	8.5/19.0		
			Unloaded, 1st/2nd	km/h	19.0	9.0/19.0	19.5	8.5/19.5		
	5.2	Lifting Speed	Loaded	mm/s	580		620			
			Unloaded	mm/s	640		670			
	5.3	Lowering Speed	Loaded	mm/s	500		500			
			Unloaded	mm/s	550		550			
	5.6	Max. Drawbar Pull	Loaded, 1.5 km/h, 3 min rating		KN	10	11	13	14	
	5.8	Max. Gradeability	Loaded, 1.5 km/h, 3 min rating		%	34	38	49	41	
5.10	Service Brake	Operation/Control		Foot/Hydraulic		Foot/Hydraulic				
5.11	Parking Brake	Operation/Control		Hand/Mechanical		Hand/Mechanical				
5.12	Steering	Type		FHPS		FHPS				
6.4	Battery	Voltage/ Capacity at 5-hour rating		V/ah	12/33		12/64			
I.C Engine	7.1	Maker Model			NISSAN K15		Komatsu 4D92E			
	7.2	Rated Output, SAE net			27.2 @ 2500		34.6 @ 2450			
	7.3	Rated RPM			2500		2450			
	7.3.1	Max. Torque, SAE net			113 @ 1600		142 @ 1800			
	7.4	No. of Cylinder/Displacement			cm ³		4-1486			
	7.6	Fuel Tank Capacity			Ltr		40			
Others	8.2	Relief Pressure for Attachment			bar		172			
	8.6	Clutch			T/C		Dry			
	8.7	Transmission			TORQFLOW		Synchronesh			

FG15T-21		FG15C-21		FD15T-21		FD15C-21		FG15HT-21		FG15HC-21	
Gasoline				Diesel				Gasoline			
Sitting				Sitting				Sitting			
1500		500		1500		500		1500		500	
1350		405		1350		405		1350		405	
1400		1400		1400		1400		1400		1400	
2450	2490	2550	2590	2450	2490	2550	2590	2450	2490	2550	2590
3500	3535	3530	3565	3500	3535	3530	3565	3500	3535	3530	3565
450	455	520	525	450	455	520	525	450	455	520	525
1005	1040	1035	1070	1005	1040	1035	1070	1005	1040	1035	1070
1445	1450	1515	1520	1445	1450	1515	1520	1445	1450	1515	1520
Pneumatic				Pneumatic				Pneumatic			
6.50-10-10PR(I)				6.50-10-10PR(I)				6.50-10-10PR(I)			
5.00-8-8PR(I)				5.00-8-8PR(I)				5.00-8-8PR(I)			
2*/2		2*/2		2*/2		2*/2		2*/2		2*/2	
890		890		890		890		890		890	
895		895		895		895		895		895	
6/10		6/10		6/10		6/10		6/10		6/10	
1995		1995		1995		1995		1995		1995	
140		140		140		140		140		140	
3000		3000		3000		3000		3000		3000	
3955		3955		3955		3955		3955		3955	
2070		2070		2070		2070		2070		2070	
3160		3160		3160		3160		3160		3160	
2240		2240		2240		2240		2240		2240	
1070		1070		1070		1070		1070		1070	
35x100x920				35x100x920				35x100x920			
Class 2, Type A				Class 2, Type A				Class 2, Type A			
970		970		970		970		970		970	
120		120		120		120		120		120	
130		130		130		130		130		130	
3360		3360		3360		3360		3360		3360	
3560		3560		3560		3560		3560		3560	
1955		1955		1955		1955		1955		1955	
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
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	9.0/19.0	19.0	9.0/19.0
570		620		570		590		570		590	
640		670		640		640		640		640	
500		500		500		500		500		500	
550		550		550		550		550		550	
10	11	13	14	15	14	15	14	15	14	15	14
26	27	33	31	37	35	37	35	37	35	37	35
Foot/Hydraulic				Foot/Hydraulic				Foot/Hydraulic			
Hand/Mechanical				Hand/Mechanical				Hand/Mechanical			
FHPS				FHPS				FHPS			
12/33		12/64		12/33		12/33		12/33		12/33	
NISSAN K15				Komatsu 4D92E				NISSAN K21			
27.2@2500		34.6@2450		27.2@2500		34.6@2450		27.2@2500		34.6@2450	
2500		2450		2500		2450		2500		2450	
113@1600		142@1800		113@1600		142@1800		113@1600		142@1800	
4-1486		4-2659		4-1486		4-2065		4-1486		4-2065	
40		40		40		40		40		40	
172		172		172		172		172		172	
T/C	Dry	T/C	Dry	T/C	Dry	T/C	Dry	T/C	Dry	T/C	Dry
TORQFLOW	Synchromesh	TORQFLOW	Synchromesh	TORQFLOW	Synchromesh	TORQFLOW	Synchromesh	TORQFLOW	Synchromesh	TORQFLOW	Synchromesh