

BX50 (2.5 ton) Series

Characteristics	1.2	Model	Manufacturer's Designation		FG25T-16	FG25C-16	FD25T-16	FD25C-16	FG25HT-16	FD25HT-16	FD25HC-16	
	1.3	Power Type	Electric, Diesel, Gasoline, LPG		Gasoline		Diesel		Gasoline	Diesel		
	1.4	Operation Type			Sitting		Sitting		Sitting	Sitting		
	1.5	Rated Capacity	Rated Capacity	kg	2500		2500		2500	2500		
	1.6	Load Center	Rated Load Center	mm	500		500		500	500		
	1.6.1	Alternative Capacity	Capacity@600mm Load Center	kg	2270		2270		2270	2270		
	1.8	Load Distance	x Front Axle Center to Fork Face	mm	465		465		465	465		
	1.9	Wheelbase	y	mm	1650		1650		1650	1650		
	Weight	2.1	Service Weight		kg	3590	3625	3680	3725	3590	3680	3725
2.2		Axle Loading	Loaded	Front	kg	5420	5430	5460	5470	5420	5460	5470
2.2.1				Rear	kg	670	670	720	730	670	720	730
2.3			Unloaded	Front	kg	1430	1430	1460	1470	1430	1460	1470
2.3.1				Rear	kg	2160	2170	2220	2230	2160	2220	2230
Tyres	3.1	Tyre Type			Pneumatic		Pneumatic		Pneumatic	Pneumatic		
	3.2	Tyre Size	Front		7.00-12-12PR(I)		7.00-12-12PR(I)		7.00-12-12PR(I)	7.00-12-12PR(I)		
	3.3		Rear		6.00-09-10PR(I)		6.00-09-10PR(I)		6.00-09-10PR(I)	6.00-09-10PR(I)		
	3.5	Number of Wheel	Front/Rear (x=driven)		2*/2		2*/2		2*/2	2*/2		
	3.6	Tread, Front	b4	mm	965		965		965	965		
	3.7	Tread, Rear	b3	mm	960		960		960	960		
	Dimensions	4.1	Tilting Angle	α/β Forward/Backward	degree	6/12		6/12		6/12	6/12	
4.2		Mast Height, Lowered	h1 2-stage Mast	mm	1995		1995		1995	1995		
4.3		Std. Free Lift	h2 2-stage Std. Mast, from Ground	mm	155		155		155	155		
4.4		Std. Lift Height	h3 2-stage Std. Mast, from Ground	mm	3000		3000		3000	3000		
4.5		Mast Height, Extended	h4 2-stage Std. Mast	mm	4050		4050		4050	4050		
4.7		Height, Overhead Guard	h6	mm	2070		2070		2070	2070		
4.19		Length, with Std. Forks	L1	mm	3655		3655		3655	3655		
4.20		Length, to Fork Face	L2	mm	2585		2585		2585	2585		
4.21		Width, at Tyre	b1 Single	mm	1150		1150		1150	1150		
4.22		Forks	Thickness x Width x Length	mm	40x122x1070		40x122x1070		40x122x1070	40x122x1070		
4.23		Fork Carriage Class	ISO 2328, Type A/B/no		Class 2		Class 2		Class 2	Class 2		
4.24		Width, Fork Carriage	b2	mm	1020		1020		1020	1020		
4.31		Ground Clearance	m1 Under Mast	mm	115		115		115	115		
4.32			m2 at Center of Wheelbase	mm	160		160		160	160		
4.33		Right Angle Stacking Aisle	with L1000 x W1200 pallet	mm	3775		3775		3775	3775		
4.34	with L1200 x W800 pallet		mm	3905		3905		3905	3905			
4.35	Turning Radius	Wa	mm	2240		2240		2240	2240			
Performance	5.1	Travel Speed (FWD)	Loaded, 1st/2nd	km/h	18.5	8.5/18.5	18.5	8.5/18.5	19.0	18.5	8.0/18.5	
			Unloaded, 1st/2nd	km/h	19.0	9.0/19.0	19.0	8.5/19.0	19.5	19.0	8.5/19.0	
	5.2	Lifting Speed	Loaded	mm/s	545		630		620	660		
			Unloaded	mm/s	600		685		670	710		
	5.3	Lowering Speed	Loaded	mm/s	450		450		450	450		
			Unloaded	mm/s	500		500		500	500		
	5.6	Max. Drawbar Pull	Loaded	KN	14	14	18	17	19	22	21	
	5.8	Max. Gradeability	Loaded	%	23	22	31	29	32	37	37	
	5.10	Service Brake	Operation/Control		Foot/Hydraulic		Foot/Hydraulic		Foot/Hydraulic	Foot/Hydraulic		
	5.11	Parking Brake	Operation/Control		Hand/Mechanical		Hand/Mechanical		Hand/Mechanical	Hand/Mechanical		
	5.12	Steering	Type		FHPS		FHPS		FHPS	FHPS		
	6.4	Battery	Voltage/ Capacity at 5-hour rating	V/ah	12/33		12/64		12/33	12/64		
I.C Engine	7.1	Maker Model			NISSAN K21		Komatsu 4D94LE		NISSAN K25	Komatsu 4D98E		
	7.2	Rated Output, SAE gross		KW	35@2450		46@2450		43@2400	53@2400		
	7.3	Rated RPM		min-1	2450		2450		2400	2400		
	7.3.1	Max. Torque, SAE gross		Nm@min-1	152@1600		186@1800		186@1600	216@1700		
7.4	No. of Cylinder/ Displacement			cm3	4-2065		4-3052		4-2488	4-3318		
Others	7.6	Fuel Tank Capacity		Ltr	58		58		58	58		
	8.2	Relief Pressure for Attachment		bar	181		181		181	181		
	8.7	Transmission			TORQFLOW	Manual	TORQFLOW	Manual	TORQFLOW	TORQFLOW	Manual	