

BX50 2.0-3.5ton
Series

Model: FG25T-16

FG25C-16

FG25HT-16

FD25T-17

FD25C-17

FD25HT-17

BX50 SERIES

● STANDARD SPECIFICATIONS

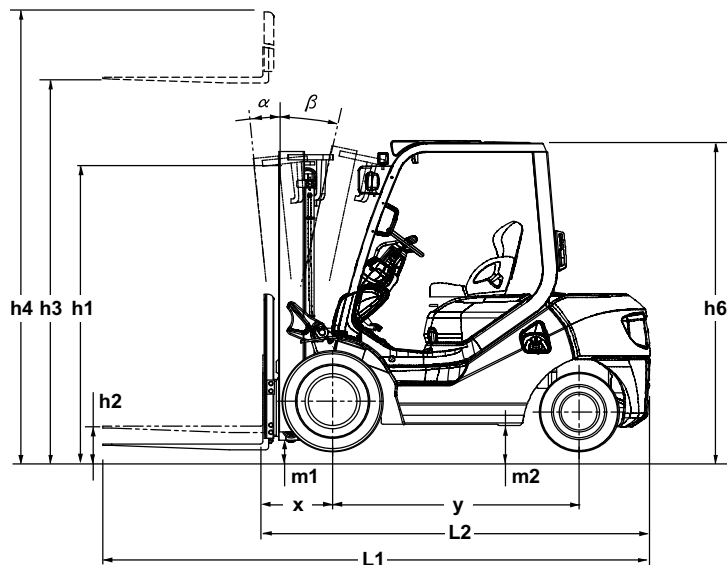
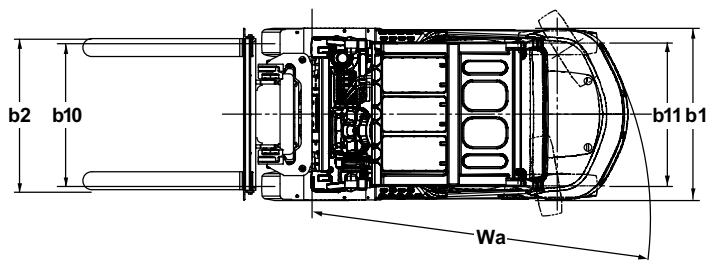
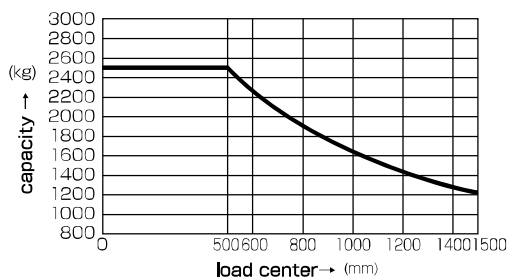
		Manufacturer's Designation		FG25T-16	FG25C-16	FD25T-17	FD25C-17		
Characteristics	1.2	Model		Manufacturer's Designation					
	1.3	Power Type		Electric, Diesel, Gasoline, LPG, Cable					
	1.4	Operation Type		Gasoline		Diesel			
	1.5	Rated Capacity		Sitting		Sitting			
	1.6	Q	kg	2500		2500			
	1.6.1	c	mm	500		500			
	1.8	Q2	Capacity @600mm Load Center	2260		2260			
	1.8	x	Front Axle Center to Fork Face	465		465			
	1.9	y	mm	1650		1650			
Weight	2.1	Service Weight		3590	3625	3680	3725		
	2.2	Axle Loading	Loaded	Front	5420	5455	5475	5495	
	2.2.1			Rear	670	670	705	725	
	2.3		Unloaded	Front	1430	1455	1470	1500	
	2.3.1	Rear		2160	2170	2010	2220		
Tyre	3.1	Tyre Type		Pneumatic		Pneumatic			
	3.2	Tyre Size		7.00-12-12PR(I)		7.00-12-12PR(I)			
	3.3	Front		6.00-9-10PR(I)		6.00-9-10PR(I)			
	3.5	Rear		2*2		2*2			
	3.6	Number of Wheels		Front/Rear(x=driven)		2*2			
	3.7	b ₁₀	mm	965		965			
	3.7	b ₁₁	mm	960		960			
Dimensions	4.1	α/β	Forward/Backward	6/12		6/12			
	4.2	h ₁	2-stage Std. Mast	1995		1995			
	4.3	h ₂	2-stage Std. Mast from Ground	155		155			
	4.4	h ₃	2-stage Std. Mast from Ground	3000		3000			
	4.5	h ₄	2-stage Std. Mast	4050		4050			
	4.7	h ₆		2070		2110			
	4.19	L ₁		3655		3655			
	4.20	L ₂		2585		2580			
	4.21	b ₁	Single	1150		1150			
	4.22	s/e/l/	Thickness/Width/Length	40x122x1070		40x122x1070			
	4.23	Fork Carriage Class		ISO 2328, Type A/B/no		Class 2, Type A			
	4.24	b ₂		1020		1020			
	4.31	m ₁	Under Mast	115		115			
	4.32	m ₂	at Center of Wheelbase	160		160			
	4.33	Ast	with L1000xW1200 pallet	3775*		3775*			
4.34	Ast	with L1200xW800 pallet	3905*		3905*				
4.35	Wa		2240		2240				
Performance	5.1	Travel Speed (FWD)		Loaded, 1st/2nd	18.5	8.5/18.5	18.5	8.5/18.5	
		Unloaded, 1st/2nd		19.0	9.0/19.0	19.0	8.5/19.0		
	5.2	Lifting Speed		Loaded	545		590		
		Unloaded		600		630			
	5.3	Lowering Speed		Loaded	450		450		
		Unloaded		500		500			
	5.6	Max. Drawbar Pull		Loaded, 1.5km/h, 3min rating	14	14	14	13	
	5.8	Max. Gradeability		Loaded, 1.5km/h, 3min rating	23	22	23	22	
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		12/33		12/64		
I.C. Engine	7.1	Make / Model		NISSAN K21		Komatsu 4D94LE			
	7.2	Rated Output, SAE net		KW		34.6@2450		34.2@2200	
	7.3	Rated RPM		min ⁻¹		2450		2200	
	7.3.1	Max. Torque, SAE net		Nm@min ⁻¹		152@1600		162@1500	
	7.4	No. of Cylinders/Displacement		cm ³		4-2065		4-3052	
	7.6	Fuel Tank Capacity		Ltr		58		58	
Others	8.2	Relief Pressure for Attachment		bar		181		181	
	8.6	Clutch				T/C		Dry	
	8.7	Transmission				TORQFLOW		Synchronesh	

*: Add clearance

T/C: Torque Converter

FG25T-16, FG25C-16, **FD25T-17, FD25C-17**

● **CAPACITY CHART**



● **STANDARD EQUIPMENT**

- 3.0mH 2-stage free view mast
- Load backrest
- Dual floating Structure
- Super Lift Hydraulic System
- Soft landing mast system
- Alternator with built-in IC regulator
- Combination switch (turn signal light and light switch)
- Integrated meter panel(Fuel gauge, water temperature gauge, charge warning lamp, hour meter, brake fluid warning lamp, Engine oil pressure gauge, neutral indicator)
- Back-up buzzer
- Auto choke (gasoline)
- New operator's seat with suspension
- Quick auto glow system (diesel)
- Neutral safety mechanism
- Halogen headlight
- Rear combination light

- Cyclone air cleaner
- Engine key stop mechanism (diesel)
- Fully hydrostatic power steering
- Wide angle center mirror

● **OPTIONAL EQUIPMENT**

- Operator Presence Sensing System (Lifting/Traveling Interlocking Mechanism)
- Steel Cabin
- Protective Resin Head Guard Cover
- Digital Load Checker
- Easy-Replacement Oil Filter
- Mast Tilt angle Meter

BX50 SERIES

● STANDARD SPECIFICATIONS

		Manufacturer's Designation		FG25HT-16	FD25HT-17			
Characteristics	1.2	Model		FG25HT-16	FD25HT-17			
	1.3	Power Type		Gasoline	Diesel			
	1.4	Operation Type		Sitting	Sitting			
	1.5	Rated Capacity	Q	kg	2500	2500		
	1.6	Load Center	c	mm	500	500		
	1.6.1	Alternative Capacity	Q ₂	Capacity @600mm Load Center	kg	2260	2260	
	1.8	Load Distance	x	Front Axle Center to Fork Face	mm	465	465	
	1.9	Wheelbase	y		mm	1650	1650	
	Weight	2.1	Service Weight		kg	3590	3680	
2.2		Axle Loading	Loaded	Front	kg	5420	5475	
2.2.1				Rear	kg	670	705	
2.3			Unloaded	Front	kg	1430	1470	
2.3.1		Rear		kg	2160	2210		
Tyre	3.1	Tyre Type		Pneumatic	Pneumatic			
	3.2	Tyre Size		Front	7.00-12-12PR(I)	7.00-12-12PR(I)		
	3.3			Rear	6.00-9-10PR(I)	6.00-9-10PR(I)		
	3.5	Number of Wheels		Front/Rear(x=driven)	2*/2	2*/2		
	3.6	Tread, Front	b ₁₀	mm	965	965		
	3.7	Tread, Rear	b ₁₁	mm	960	960		
	Dimensions	4.1	Tilting Angle		α/β	degree	6/12	6/12
4.2		Mast Height, Lowered		h ₁	2-stage Std. Mast	mm	1995	1995
4.3		Std. Free Lift		h ₂	2-stage Std. Mast from Ground	mm	155	155
4.4		Std. Lift Height		h ₃	2-stage Std. Mast from Ground	mm	3000	3000
4.5		Mast Height, Extended		h ₄	2-stage Std. Mast	mm	4050	4050
4.7		Height, Overhead Guard		h ₆		mm	2070	2110
4.19		Length, with Std. Forks		L ₁		mm	3655	3655
4.20		Length, to Fork Face		L ₂		mm	2585	2580
4.21		Width, at Tyre		b ₁	Single	mm	1150	1150
4.22		Forks		s/e/l/	Thickness/Width/Length	mm	40x122x1070	40x122x1070
4.23		Fork Carriage Class		ISO 2328, Type A/B/no			Class 2, Type A	Class 2, Type A
4.24		Width, Fork Carriage		b ₂		mm	1020	1020
4.31		Ground Clearance		m ₁	Under Mast	mm	115	115
4.32				m ₂	at Center of Wheelbase	mm	160	160
4.33		Right Angle Stacking Aisle		A _{st}	with L1000xW1200 pallet	mm	3775*	3775*
4.34	A _{st}			with L1200xW800 pallet	mm	3905*	3905*	
4.35	Turning Radius		W _a		mm	2240	2240	
Performance	5.1	Travel Speed (FWD)		Loaded, 1st/2nd	km/h	19.0	18.5	
				Unloaded, 1st/2nd	km/h	19.5	19.0	
	5.2	Lifting Speed		Loaded	mm/s	620	660	
				Unloaded	mm/s	670	710	
	5.3	Lowering Speed		Loaded	mm/s	450	450	
				Unloaded	mm/s	500	500	
	5.6	Max. Drawbar Pull		Loaded, 1.5km/h, 3min rating	KN	19	18	
	5.8	Max. Gradeability		Loaded, 1.5km/h, 3min rating	%	32	31	
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	Make / Model				NISSAN K25	Komatsu 4D98E	
	7.2	Rated Output, SAE net				KW	42.6@2400	44.1@2450
	7.3	Rated RPM				min ⁻¹	2400	2450
	7.3.1	Max. Torque, SAE net				Nm@min ⁻¹	186@1600	183@1500
	7.4	No. of Cylinders/Displacement				cm ³	4-2488	4-3318
	7.6	Fuel Tank Capacity				Ltr	58	58
Others	8.2	Relief Pressure for Attachment				bar	181	181
	8.6	Clutch					T/C	T/C
	8.7	Transmission					TORQFLOW	TORQFLOW

*: Add clearance

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