

**KOMATSU**

**AX50** 1.0-1.75ton  
**Series**

**Model: FG15T-20**

**FG15C-20**

**FG15HT-20**

**FG15HC-20**

**FD15T-20**

**FD15C-20**

**KOMATSU FORKLIFT**

**AX50 SERIES**

**● STANDARD SPECIFICATIONS**

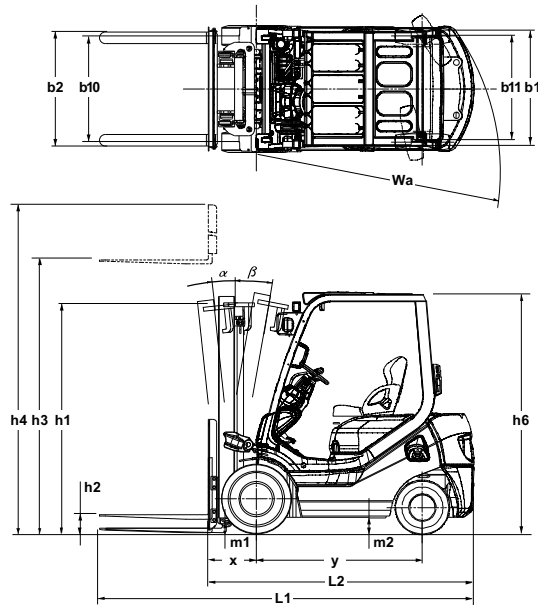
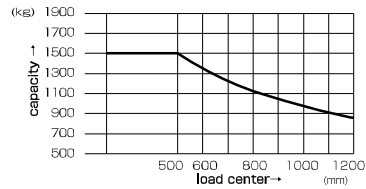
		Manufacturer's Designation		FG15T-20	FG15C-20	FD15T-20	FD15C-20
Characteristics	1.2	Model			Gasoline	Diesel	
	1.3	Power Type	Electric, Diesel, Gasoline, LPG, Cable		Sitting		Sitting
	1.4	Operation Type			1500		1500
	1.5	Rated Capacity	Q	kg	500		500
	1.6	Load Center	c	mm	1350		1350
	1.6.1	Alternative Capacity	Q2	Capacity @600mm Load Center	405		405
	1.8	Load Distance	x	Front Axle Center to Fork Face	1400		1400
	1.9	Wheelbase	y	mm			
	Weight	2.1	Service Weight			2450	2490
2.2		Axle Loading	Loaded	Front	kg	3500	3535 3530 3565
2.2.1				Rear	kg	450	455 520 525
2.3			Unloaded	Front	kg	1005	1040 1035 1070
2.3.1				Rear	kg	1445	1450 1515 1520
Tyre	3.1	Type Type			Pneumatic		Pneumatic
	3.2	Type 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 Wheels	Front/Rear(x=driven)		2*/2		2*/2
	3.6	Tread, Front	b <sub>10</sub>	mm	890		890
	3.7	Tread, Rear	b <sub>11</sub>	mm	895		895
	Dimensions	4.1	Tilting Angle	$\alpha/\beta$	Forward/Backward	degree	6/10
4.2		Mast Height, Lowered	h <sub>1</sub>	2-stage Std. Mast	mm	1995	1995
4.3		Std. Free Lift	h <sub>2</sub>	2-stage Std. Mast from Ground	mm	140	140
4.4		Std. Lift Height	h <sub>3</sub>	2-stage Std. Mast from Ground	mm	3000	3000
4.5		Mast Height, Extended	h <sub>4</sub>	2-stage Std. Mast	mm	3955	3955
4.7		Height, Overhead Guard	h <sub>6</sub>		mm	2030	2030
4.19		Length, with Std. Forks	L <sub>1</sub>		mm	3160	3160
4.20		Length, to Fork Face	L <sub>2</sub>		mm	2240	2240
4.21		Width, at Tyre	b <sub>1</sub>	Single	mm	1070	1070
4.22		Forks	s/e/l/	Thickness/Width/Length	mm	35x100x920 35x100x920	
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 <sub>2</sub>		mm	970	970
4.31		Ground Clearance	m <sub>1</sub>	Under Mast	mm	120	120
4.32			m <sub>2</sub>	at Center of Wheelbase	mm	130	130
4.33		Right Angle Stacking Aisle	Ast	with L1000xW1200 pallet	mm	3360*	3360*
4.34	Ast		with L1200xW800 pallet	mm	3560*	3560*	
4.35	Turning Radius	Wa		mm	1955	1955	
Performance	5.1	Travel Speed (FWD)	Loaded,1st/2nd	km/h	18.5	8.5/18.5	18.5 8.5/19.0
			Unloaded,1st/2nd	km/h	19.0	9.0/19.0	19.0 8.5/19.5
	5.2	Lifting Speed	Loaded	mm/s	570		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, 1.5km/h, 3min rating	KN	10	11	13 14
	5.8	Max. Gradeability	Loaded, 1.5km/h, 3min rating	%	26	27	33 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 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 Cylinders/Displacement			4-1486		4-2659
	7.6	Fuel Tank Capacity			40		40
Others	8.2	Relief Pressure for Attachment			172		172
	8.6	Clutch			T/C	Dry	T/C Dry
	8.7	Transmission			TORQFLOW	Synchromesh	TORQFLOW Synchromesh

\*: Add clearance

T/C:Torque Converter

FG15T-20, FG15C-20, FD15T-20, FD15C-20,

● CAPACITY CHART



● STANDARD EQUIPMENT

- 3.0mH 2-stage free view mast
- Load backrest
- Dual floating Structure
- 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

## AX50 SERIES

### ● STANDARD SPECIFICATIONS

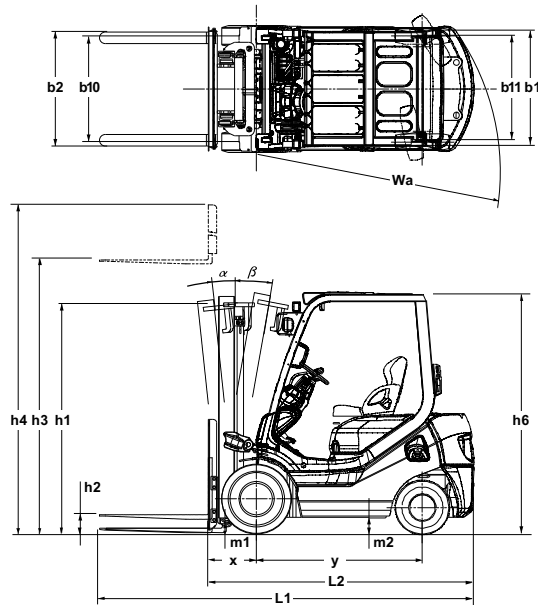
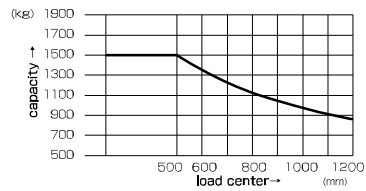
		Manufacturer's Designation		FG15HT-20	FG15HC-20				
Characteristics	1.2	Model							
	1.3	Power Type	Electric, Diesel, Gasoline, LPG, Cable		Gasoline				
	1.4	Operation Type			Sitting				
	1.5	Rated Capacity	Q	kg	1500				
	1.6	Load Center	c	mm	500				
	1.6.1	Alternative Capacity	Q2	Capacity @600mm Load Center	kg	1350			
	1.8	Load Distance	x	Front Axle Center to Fork Face	mm	405			
	1.9	Wheelbase	y	mm	1400				
	Weight	2.1	Service Weight			kg	2450	2490	
2.2		Axle Loading	Loaded	Front	kg	3500	3535		
2.2.1				Rear	kg	450	455		
2.3			Unloaded	Front	kg	1005	1040		
2.3.1				Rear	kg	1445	1450		
Tyre	3.1	Tyre Type			Pneumatic				
	3.2	Tyre Size	Front		6.50-10-10PR(I)				
	3.3		Rear		5.00- 8- 8PR(I)				
	3.5	Number of Wheels	Front/Rear(x=driven)		2*/2				
	3.6	Tread, Front	b10	mm	890				
	3.7	Tread, Rear	b11	mm	895				
	Dimensions	4.1	Tilting Angle	$\alpha/\beta$	Forward/Backward	degree	6/10		
4.2		Mast Height, Lowered	h1	2-stage Std. Mast		mm		1995	
4.3		Std. Free Lift	h2	2-stage Std. Mast from Ground		mm		140	
4.4		Std. Lift Height	h3	2-stage Std. Mast from Ground		mm		3000	
4.5		Mast Height, Extended	h4	2-stage Std. Mast		mm		3955	
4.7		Height, Overhead Guard	h6			mm		2030	
4.19		Length, with Std. Forks	L 1			mm		3160	
4.20		Length, to Fork Face	L 2			mm		2240	
4.21		Width, at Tyre	b1	Single			mm		1070
4.22		Forks	s/e//	Thickness/Width/Length		mm		35x100x920	
4.23		Fork Carriage Class	ISO 2328, Type A/B/no		Class 2, type A				
4.24		Width, Fork Carriage	b2			mm		970	
4.31		Ground Clearance	m1	Under Mast			mm		120
4.32			m2	at Center of Wheelbase		mm		130	
4.33		Right Angle Stacking Aisle	Ast with L1000xW1200 pallet		mm		3360*		
4.34	Ast with L1200xW800 pallet		mm		3560*				
4.35	Turning Radius	Wa			mm		1955		
Performance	5.1	Travel Speed (FWD)	Loaded,1st/2nd	km/h	18.5	8.5/18.5			
			Unloaded,1st/2nd	km/h	19.0	9.0/19.0			
	5.2	Lifting Speed	Loaded	mm/s	590				
			Unloaded	mm/s	640				
	5.3	Lowering Speed	Loaded	mm/s	500				
			Unloaded	mm/s	550				
	5.6	Max. Drawbar Pull	Loaded, 1.5km/h, 3min rating	KN	15	14			
	5.8	Max. Gradeability	Loaded, 1.5km/h, 3min rating	%	37	35			
5.10	Service Brake	Operation/Control		Foot/Hydraulic					
5.11	Parking Brake	Operation/Control		Hand/Mechanical					
5.12	Steering	Type		FHPS					
6.4	Battery	Voltage/Capacity at 5-hour rating		V/ah	12/33				
I.C. Engine	7.1	Make / Model			NISSAN K21				
	7.2	Rated Output, SAE net			KW			34.6@2450	
	7.3	Rated RPM			min <sup>-1</sup>			2450	
	7.3.1	Max. Torque, SAE net			Nm@min <sup>-1</sup>			152@1600	
	7.4	No. of Cylinders/Displacement			cm <sup>3</sup>			4-2065	
	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			Synchromesh	

\*: Add clearance

T/C: Torque Converter

FG15HT-20, FG15HC-20

● CAPACITY CHART



● STANDARD EQUIPMENT

- 3.0mH 2-stage free view mast
- Load backrest
- Dual floating Structure
- Soft landing mast system
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- Integrated meter panel(Fuel gauge, water temperature gauge, charge warning lamp, hour meter, brake fluid warning lamp, Engine oil pressure gauge, neutral indicator)
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- Engine key stop mechanism (diesel)
- Fully hydrostatic power steering
- Wide angle center mirror

● OPTIONAL EQUIPMENT

- Operator Presence Sensing System (Lifting/Traveling Interlocking Mechanism)
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- Easy-Replacement Oil Filter
- Mast Tilt angle Meter

**AX50 SERIES**

**● MAST SPECIFICATIONS**

**2-stage Free View Mast**

\*mark is the standard mast

Max. Fork Height	Overall Height			Free Lift		Tilting Angle		Capacity at 600mm Load Center		Mast Weight	
	Lowered	Extended		Without Load Backrest	With STD Load Backrest	Forward/Backward		500mm Load Center			
		Without Load Backrest	With STD Load Backrest			Front Single Tyre	Front Double Tyre	FG15-20, FD15-20, FG15H-20 Front Double Tyres	FG15H-20 Pneumatic Single Std. Tread		
mm	mm	mm	mm	mm	mm	degree	kg	kg	kg		
2500	1745	3085	3455	140		6/10	1350	1500	1350	1500	-28
3000*	1995	3585	3955	140			1350	1500	1350	1500	380
3300	2145	3885	4255	140			1350	1500	1350	1500	+17
3500	2245	4085	4455	140			1350	1500	1350	1500	+28
3700	2345	4285	4655	140			1350	1500	1350	1500	+43
4000	2545	4585	4955	140			1350	1500	1350	1500	+83
4300	2695	4885	5255	140		6/6	1300	1450	1260	1400	+102
4500	2795	5085	5455	140			1300	1450	1260	1400	+113
4700	2920	5285	5655	140			1210	1350	1080	1200	+127
5000	3070	5585	5955	140			1210	1350	1030	1150	+144

**2-stage Full Free View Mast**

Max. Fork Height	Overall Height			Free Lift		Tilting Angle		Capacity at 600mm Load Center		Mast Weight	
	Lowered	Extended		Without Load Backrest	With STD Load Backrest	Forward/Backward		500mm Load Center			
		Without Load Backrest	With STD Load Backrest			Front Single Tyre	Front Double Tyre	FG15-20, FD15-20, FG15H-20 Front Double Tyres	FG15H-20 Pneumatic Single Std. Tread		
mm	mm	mm	mm	mm	mm	degree	kg	kg	kg		
3000	1995	3595	3965	1435	1065	6/10	1350	1500	1350	1500	430
3300	2145	3895	4265	1585	1215		1350	1500	1350	1500	+20
3500	2245	4095	4465	1685	1315		1350	1500	1350	1500	+35
4000	2545	4595	4965	1985	1615		1350	1500	1350	1500	+95

**3-stage Full Free View Mast**

Max. Fork Height	Overall Height			Free Lift		Tilting Angle		Capacity at 600mm Load Center		Mast Weight	
	Lowered	Extended		Without Load Backrest	With STD Load Backrest	Forward/Backward		500mm Load Center			
		Without Load Backrest	With STD Load Backrest			Front Single Tyre	Front Double Tyre	FG15-20, FD15-20, FG15H-20 Front Double Tyres	FG15H-20 Pneumatic Single Std. Tread		
mm	mm	mm	mm	mm	mm	degree	kg	kg	kg		
3700	1795	4315	4685	1235	865	6/6	1350	1500	1350	1500	-35
4000	1895	4615	4985	1335	965		1300	1450	1300	1450	-20
4300	1995	4915	5285	1435	1065		1260	1400	1260	1400	565
4500	2070	5115	5485	1510	1140		1210	1350	1170	1300	+15
4700	2145	5315	5685	1585	1215		1210	1350	1170	1300	+30
5000	2245	5615	5985	1685	1315		1170	1300	990	1100	+50
5500	2420	6115	6485	1860	1490		1120	1250	720	800	+80
6000	2590	6615	6985	2035	1665		990	1100	540	600	+140