

KOMATSU

AM50 Series

Model: FB20M-12

KOMATSU FORKLIFT

AM50 SERIES

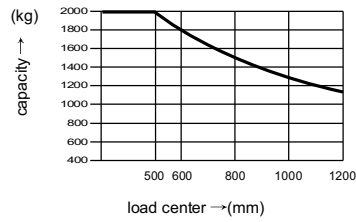
● STANDARD SPECIFICATIONS

Characteristics	1.2	Model	Manufacturer's Designation		FB20M-12		
	1.3	Power Type	Electric, Diesel, Gasoline, LPG, Cable		Electric		
	1.4	Operation Type			Sitting		
	1.5	Rated Capacity	Q	Rated Capacity	kg	2000	
	1.6	Load Center	c	Rated Load Center	mm	500	
	1.6.1	Alternative Capacity	Q ₂	Capacity @600mm Load Center	kg	1800	
	1.8	Load Distance	x	Front Axle Center to Fork Face	mm	425	
	1.9	Wheelbase	y		mm	1485	
	Weight	2.1	Service Weight	Including Min. Capacity Battery, See line 6.5		kg	3730
2.2		Axle Loading	Loaded	Front	kg	5080	
2.2.1				Rear	kg	650	
2.3			Unloaded	Front	kg	1790	
2.3.1				Rear	kg	1940	
Tyre	3.1	Tyre Type			Elastic Cushion		
	3.2	Tyre Size	Front		200/50-10		
	3.3		Rear		15x4 1/2-8		
	3.5	Number of Wheel	Front/Rear(x=driven)		2x/2		
	3.6	Tread, Front	b ₁₀		mm	950	
	3.7	Tread, Rear	b ₁₁		mm	170	
	Dimensions	4.1	Tilting Angle	α/β	Forward/Backward	degree	6/10
4.2		Mast Height, Lowered	h ₁	2-stage Mast		mm	2110
4.3		Std. Free Lift	h ₂	2-stage Std. Mast from Ground		mm	150
4.4		Std. Lift Height	h ₃	2-stage Std. Mast from Ground		mm	3000
4.5		Mast Height, Extended	h ₄	2-stage Std. Mast		mm	3970
4.7		Height, Overhead Guard	h ₆			mm	2070
4.19		Length, with Std. Forks	l ₁			mm	3035
4.20		Length, to Fork Face	l ₂			mm	2115
4.21		Width, at Tyre	b ₁	Single		mm	1160
4.22		Forks	s/e/l	Thickness/Width/Length		mm	36x122x920
4.23		Fork Carriage Class	ISO 2328, Type A/B/no				Class 2, Type A
4.24		Width, Fork Carriage	b ₃			mm	970
4.31		Ground Clearance	m ₁	Under Mast		mm	95
4.32			m ₂	at Center of Wheelbase		mm	125
4.33		Right Angle Stacking Aisle	Ast	with L1000 x W1200 pallet		mm	3115*
4.34	Ast		with L1200 x W800 pallet		mm	3315*	
4.35	Turning Radius	Wa			mm	1690	
Performance	5.1	Travel speed (FWD)	Loaded/Unloaded	km/h		14.0/16.0	
	5.2	Lifting Speed	Loaded/Unloaded	mm/s		280/500	
	5.3	Lowering Speed	Loaded/Unloaded	mm/s		370/440	
	5.6	Max. Drawbar Pull	Loaded, 3min, rating	N		9045	
	5.8	Max. Gradeability	Loaded, 3min, rating/1.5km/h	%		14	
	5.10	Service Brake	Operation/Control			Foot/Hydraulic	
	5.10.1	Parking Brake	Operation/Control			Hand/Mechanical	
5.10.2	Steering	Type			FHPS		
Drive	6.1	Drive Motor (AC)	60 min, rating	kW		4.5x2	
	6.2	Pump Motor (AC)	5 min, rating	kW		9.0	
	6.4	Battery Voltage			V	48	
	6.4.1	Battery Capacity, Min.			Ah/5hr	468	
	6.4.2	Battery Capacity, Max.			Ah/5hr	565	
6.5	Battery Weight	Min. capacity Battery, see line 6.4.1		kg	760		
Others	8.1	Drive Motor Control				Transistor	
	8.2	Relief Pressure for Attachment			bar	176	
	8.2.1	Hydraulic Oil Capacity			Ltr	23	

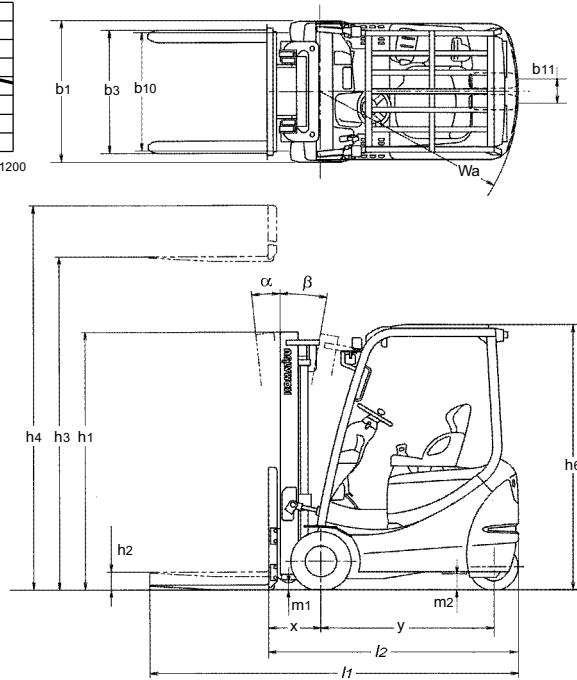
*Add clearance

FB20M-12

● CAPACITY CHART



● DRAWING



● STANDARD EQUIPMENT

- 3.0mH 2-stage free view mast
- Forks
- Load backerest
- Ergonomic combination lever
- Side battery access
- Traveling/Lifting Operator Presence Sensing (OPS) system (ISO3691)
- Floor mat
- Assist grip
- Paper binder with pen tray
- Halogen headlight
- Back-up buzzer
- Fully hydrostatic power steering
- Wide angle center mirror
- HSS II seat with seat belt
- Intelligent Monitoring System (IMS)
- Adjustable individual setups
- Emergency switch
- Neutral safety mechanism
- High-mounted rear combination lamp

● OPTIONAL EQUIPMENT

- Protective resin head guard cover
- Digital load checker
- Automatic fork leveling device
- Softcarry (Hydraulic accumulator system)
- Front glass with wiper
- Anti rust coating paint
- Rear view mirror (Left & Right)
- Seat heater

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● MAST SPECIFICATIONS

2-stage View Mast

*mark is the standard mast

Max. Fork Height	Overall Height			Free Lift		Tilting Angle Forward /Backward	Capacity at 600mm Load Center		Mast Weight
	Lowered	Extended		Without Load Backrest	With STD Load Backrest		500mm Load Center	Capacity at 500mm Load Center	
		Without Load Backrest	With STD Load Backrest						
mm	mm	mm	mm	mm	mm	degree	kg	kg	
2700	1960	3375	3670	155		6/10	1800	2000	-20
3000*	2110	3675	3970	155			1800	2000	365
3300	2260	3975	4270	155			1800	2000	+20
3500	2360	4175	4470	155			1800	2000	+35
3700	2460	4375	4670	155			1800	2000	+55
4000	2660	4675	4970	155			1800	2000	+105
4300	2810	4975	5270	155		6/6	1710	1900	+130
4500	2910	5175	5470	155			1710	1900	+140
4700	3060	5375	5670	155			1440	1600	+160
5000	3210	5675	5970	155			1440	1600	+185

2-stage Full Free View Mast

Max. Fork Height	Overall Height			Free Lift		Tilting Angle Forward /Backward	Capacity at 600mm Load Center		Mast Weight
	Lowered	Extended		Without Load Backrest	With STD Load Backrest		500mm Load Center	Capacity at 500mm Load Center	
		Without Load Backrest	With STD Load Backrest						
mm	mm	mm	mm	mm	mm	degree	kg	kg	
3000*	2110	3675	3970	1485	1190	6/10	1800	2000	405
3300	2260	3975	4270	1635	1340		1800	2000	+25
3500	2360	4175	4470	1735	1440		1800	2000	+40
4000	2660	4675	4970	2035	1740		1800	2000	+100

3-stage Full Free View Mast

Max. Fork Height	Overall Height			Free Lift		Tilting Angle Forward /Backward	Capacity at 600mm Load Center		Mast Weight
	Lowered	Extended		Without Load Backrest	With STD Load Backrest		500mm Load Center	Capacity at 500mm Load Center	
		Without Load Backrest	With STD Load Backrest						
mm	mm	mm	mm	mm	mm	degree	kg	kg	
3700	1910	4405	4700	1285	990	6/6	1720	1900	-40
4000	2010	4705	5000	1385	1090		1720	1900	-20
4300*	2110	5005	5300	1485	1190		1720	1900	560
4500	2185	5205	5500	1560	1265		1720	1900	+15
4700	2260	5405	5700	1635	1340		1720	1900	+30
5000	2360	5705	6000	1735	1440		1720	1900	+50
5500	2560	6205	6500	1935	1640		1670	1850	+95
6000	2760	6705	7000	2135	1840		1580	1750	+170

Note: With 3-stage Full Free View Mast tilt speed will be reduced by restricting tilt lever speed.