

KOMATSU

AM50 Series

Model: FB18M-12

KOMATSU FORKLIFT

AM50 SERIES

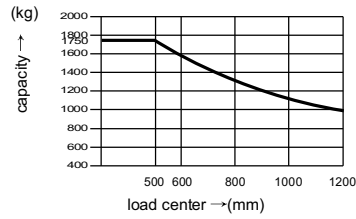
● STANDARD SPECIFICATIONS

Characteristics	1.2	Model	Manufacturer's Designation		FB18M-12		
	1.3	Power Type	Electric, Diesel, Gasoline, LPG, Cable		Electric		
	1.4	Operation Type			Sitting		
	1.5	Rated Capacity	Q	Rated Capacity	kg	1750	
	1.6	Load Center	c	Rated Load Center	mm	500	
	1.6.1	Alternative Capacity	Q2	Capacity @600mm Load Center	kg	1570	
	1.8	Load Distance	x	Front Axle Center to Fork Face	mm	405	
	1.9	Wheelbase	y		mm	1390	
	Weight	2.1	Service Weight	Including Min. Capacity Battery, See line 6.5		kg	3260
2.2		Axle Loading	Loaded	Front	kg	4430	
2.2.1				Rear	kg	580	
2.3			Unloaded	Front	kg	1510	
2.3.1				Rear	kg	1750	
Tyre	3.1	Tyre Type			Pneumatic		
	3.2	Tyre Size	Front		18x7-8-16PR(I)		
	3.3		Rear		15x4 1/2-8-12PR(I)		
	3.5	Number of Wheel	Front/Rear(x=driven)		2x/2		
	3.6	Tread, Front	b ₁₀		mm	940	
	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	1995
4.3		Std. Free Lift	h ₂	2-stage Std. Mast from Ground		mm	140
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	3955
4.7		Height, Overhead Guard	h ₆			mm	2070
4.19		Length, with Std. Forks	l ₁			mm	2920
4.20		Length, to Fork Face	l ₂			mm	2000
4.21		Width, at Tyre	b ₁	Single		mm	1110
4.22		Forks	s/e/l	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	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	2995*
4.34	Ast		with L1200 x W800 pallet		mm	3195*	
4.35	Turning Radius	Wa			mm	1590	
Performance	5.1	Travel speed (FWD)	Loaded/Unloaded	km/h		15.0/17.0	
	5.2	Lifting Speed	Loaded/Unloaded	mm/s		320/600	
	5.3	Lowering Speed	Loaded/Unloaded	mm/s		450/550	
	5.6	Max. Drawbar Pull	Loaded, 3min, rating	N		9560	
	5.8	Max. Gradeability	Loaded, 3min, rating/1.5km/h	%		16	
	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	402	
	6.4.2	Battery Capacity, Max.			Ah/5hr	565	
6.5	Battery Weight	Min. capacity Battery, see line 6.4.1		kg	720		
Others	8.1	Drive Motor Control				Transistor	
	8.2	Relief Pressure for Attachment			bar	176	
	8.2.1	Hydraulic Oil Capacity			Ltr	23	

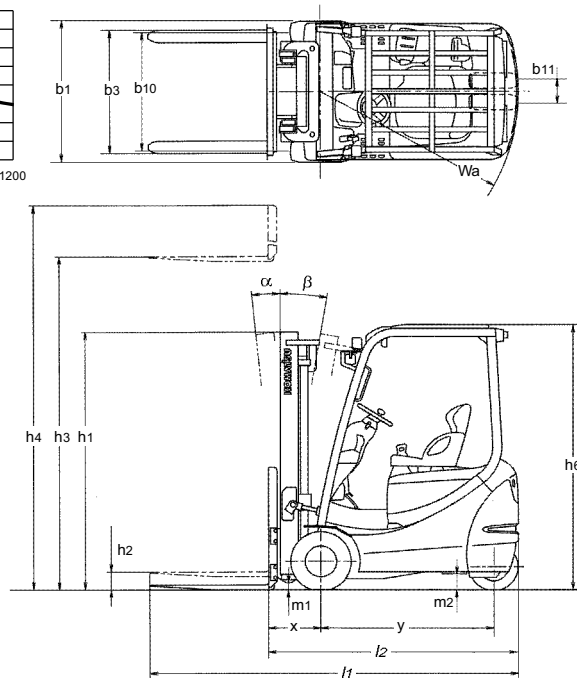
*Add clearance

FB18M-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 degree	Capacity at 600mm Load Center		Mast Weight kg
	Lowered	Extended		Without Load Backrest	With STD Load Backrest	500mm Load Center				
		Without Load Backrest	With STD Load Backrest			FB18M-12		Pneumatic Single Std. Tread		
mm	mm	mm	mm	mm	mm	mm	kg	kg		
2700	1845	3285	3655	140			1570	1750	-15	
3000*	1995	3585	3955	140		6/10	1570	1750	305	
3300	2145	3885	4255	140			1570	1750	+15	
3500	2245	4085	4455	140			1570	1750	+30	
3700	2345	4285	4655	140			1570	1750	+70	
4000	2545	4585	4955	140			1570	1750	+100	
4300	2695	4885	5255	140		6/6	1390	1550	+115	
4500	2795	5085	5455	140			1390	1550	+125	
4700	2920	5285	5655	140			1170	1300	+140	
5000	3070	5585	5955	140			1170	1300	+160	

2-stage Full Free View Mast

Max. Fork Height	Overall Height				Free Lift		Tilting Angle Forward /Backward degree	Capacity at 600mm Load Center		Mast Weight kg
	Lowered	Extended		Without Load Backrest	With STD Load Backrest	500mm Load Center				
		Without Load Backrest	With STD Load Backrest			FB18M-12		Pneumatic Single Std. Tread		
mm	mm	mm	mm	mm	mm	mm	kg	kg		
3000*	1995	3605	3975	1435	1065		1570	1750	340	
3300	2145	3905	4275	1585	1215	6/10	1570	1750	+20	
3500	2245	4105	4475	1685	1315		1570	1750	+30	
4000	2545	4605	4975	1985	1615		1570	1750	+90	

3-stage Full Free View Mast

Max. Fork Height	Overall Height				Free Lift		Tilting Angle Forward /Backward degree	Capacity at 600mm Load Center		Mast Weight kg
	Lowered	Extended		Without Load Backrest	With STD Load Backrest	500mm Load Center				
		Without Load Backrest	With STD Load Backrest			FB18M-12		Elastic Cushion Std. Tread		
mm	mm	mm	mm	mm	mm	mm	kg	kg		
3700	1795	4315	4685	1235	865		1530	1700	1530	-35
4000	1895	4615	4985	1335	965		1480	1650	1480	-20
4300*	1995	4915	5285	1435	1065		1390	1550	1390	475
4500	2070	5115	5485	1510	1140	6/6	1260	1400	1260	+15
4700	2145	5315	5685	1585	1215		1260	1400	1260	+30
5000	2245	5615	5985	1685	1315		1170	1300	1260	+45
5500	2420	6115	6485	1860	1490		900	1000	1210	+75
6000	2595	6615	6985	2035	1665		670	750	850	+145

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