MITSUBISHI
FORKLIFT TRUCKS

Engine Powered Forklift Trucks

10.0 - 15.0 tonnes

FD100
FD115
FD135
FD150

MITSUBISHI FORKLIFT TRUCKS

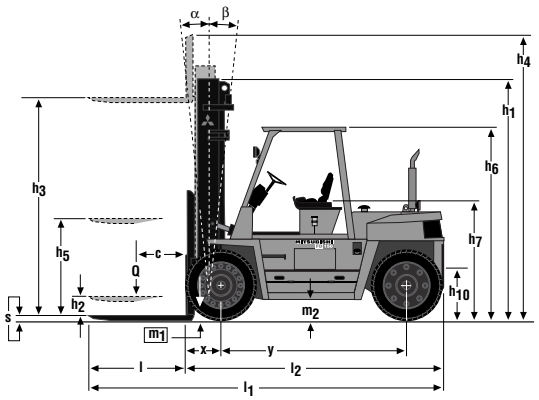
	Characteristics						
1.1	Manufacturer (abbreviation)			Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
1.2	Manufacturer's model designation			FD100	FD115	FD135	FD150
1.3	Power source: (battery, diesel, LP gas, petrol)			Diesel	Diesel	Diesel	Diesel
1.4	Operator type: pedestrian, (operator)-standing, -seated			Seated	Seated	Seated	Seated
1.5	Lifting capacity	Q	(t)	10.0	11.5	13.5	15.0
1.6	At load centre	c	(mm)	600	600	600	600
1.8	Load distance	x	(mm)	755	755	795	795
1.9	Wheelbase	y	(mm)	2800	2800	2800	3100
	Weight						
2.1	Truck weight, without load		kg	14490	15400	17450	17890
2.2	Axle loading with rated load, front/rear		kg	21960 / 2530	24100 / 2800	27850 / 3110	29740 / 3150
2.3	Axle loading without load, front/rear		kg	7120 / 7370	7020 / 8380	7630 / 9820	8000 / 9890
	Wheels, Drive Train						
3.1	Tyre type: V=solid, L=pneumatic, SE=solid pneumatic - front/rear			L / L	L / L	L / L	L / L
3.2	Tyre dimensions, front			10.00 x 20 - 14 PR	10.00 x 20 - 16 PR	12.00 x 20 - 18 PR	12.00 x 20 - 18 PR
3.3	Tyre dimensions, rear			10.00 x 20 - 14 PR	10.00 x 20 - 16 PR	12.00 x 20 - 18 PR	12.00 x 20 - 18 PR
3.5	Number of wheels, front/rear (x=driven)			4x / 2	4x / 2	4x / 2	4x / 2
3.6	Distance between centreline of tyres, front	b10	(mm)	1900	1900	1905	1905
3.7	Distance between centreline of tyres, rear	b11	(mm)	1930	1930	1890	1890
	Dimensions						
4.1	Mast tilt, forwards/backwards	∂/ß	(°)	15 / 12	15 / 12	15 / 12	15 / 12
4.2	Height with mast lowered	h1	(mm)	3540	3540	3885	3885
4.3	Standard free lift	h2	(mm)	–	–	–	–
4.4	Standard lift height	h3	(mm)	4000	4000	4000	4000
4.5	Overall height with mast raised	h4	(mm)	5490	5490	5930	5930
4.7	Height to top of overhead guard	h6	(mm)	2835	2835	2875	2875
4.8	Seat height	h7	(mm)	1745	1745	1790	1790
4.12	Tow coupling height	h10	(mm)	640	640	680	680
4.19	Overall length	l1	(mm)	5515	5585	5750	6050
4.20	Length to fork face (includes fork thickness)	l2	(mm)	4295	4365	4530	4830
4.21	Overall width	b1/b2	(mm)	2515	2515	2600	2600
4.22	Fork dimensions (thickness, width, length)	s,e,l	(mm)	70 x 180 x 1220	70 x 180 x 1220	90 x 180 x 1220	90 x 180 x 1220
4.23	Fork carriage to DIN 15 173 A/B/no			no	no	no	no
4.24	Fork carriage width	b3	(mm)	2175	2175	2185	2440
4.31	Ground clearance under mast, with load	m1	(mm)	225	225	260	260
4.32	Ground clearance centre of wheelbase, with load	m2	(mm)	340	340	380	380
4.33	Working aisle width with 1000 x1200 mm pallets	Ast	(mm)	5955	6015	6155	6545
4.34	Working aisle width with 800 x1200 mm pallets	Ast	(mm)	5755	5815	5955	6345
4.35	Turning circle radius	Wa	(mm)	4000	4060	4160	4550
4.36	Minimum distance between centres of rotation	b13	(mm)	1550	1550	1550	1805
	Performance						
5.1	Travel speed, with/without load		km/h	24.5 / 31.5	24.5 / 31.5	22.0 / 33.0	20.5 / 33.0
5.2	Lifting speed, with/without load		m/s	0.34 / 0.36	0.34 / 0.36	0.29 / 0.31	0.28 / 0.31
5.3	Lowering speed, with/without load		m/s	0.45 / 0.50	0.45 / 0.50	0.38 / 0.42	0.38 / 0.42
5.5	Rated drawbar pull, with/without load		N	73500 / 48000	72600 / 47050	68050 / 50000	67850 / 54250
5.7	Gradeability, with/without load		%	32 / 30	28 / 28	23 / 26	21 / 28
5.9	Acceleration time, with/without load (0 -15 m)		s	–	–	–	–
5.10	Service brakes (mechanical/hydraulic/electric/pneumatic)			Pneum. / Hydr.	Pneum. / Hydr.	Pneum. / Hydr.	Pneum. / Hydr.
	I.C. engine						
7.1	Manufacturer / Type			Mitsubishi 6D16-T	Mitsubishi 6D16-T	Mitsubishi 6D16-T	Mitsubishi 6D16-T
7.2	Rated output B to ISO 1585		kW	100	100	100	100
7.3	Rated speed to DIN 70 020		rpm	2200	2200	2200	2200
7.4	Number of cylinders / cubic capacity		/ cm3	6 / 7545	6 / 7545	6 / 7545	6 / 7545
7.5	Fuel consumption according to VDI cycle		l/h	–			
	Miscellaneous						
8.1	Type of drive control			Powershift / 3	Powershift / 3	Powershift / 3	Powershift / 3
8.2	Operating pressure for attachments		bar	170	170	170	170
8.3	Oil flow for attachments		l/min	–	–	–	–
8.4	Noise level, mean value at operator's ear		dB (A)	85	85	85	85
8.5	Towing coupling design / DIN type, ref.			–	–	–	–

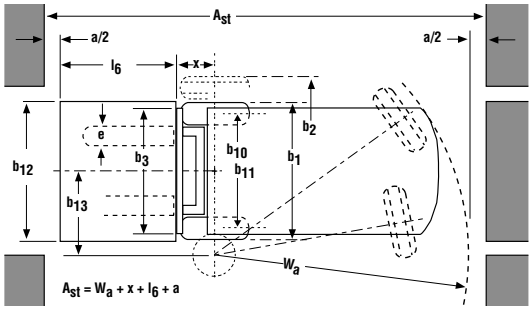
Mast Performance and Capacity

Mast Type	h3 mm	h1 mm	h4 mm	h2 /h5 mm	FD100 • FD115 Q @ c=600 mm kg	FD100 Q @ c=600 mm kg	FD115 Q @ c=600 mm kg
Simplex	3000	2990	4490	-	10000	11500	
	3300	3140	4790	-	10000	11500	
	3500	3290	4990	-	10000	11500	
	3700	3390	5190	-	10000	11500	
	4000	3540	5490	-	10000	11500	
	4500	3840	5990	-	10000	11500	
	5000	4090	6490	-	10000	11500	
	5500	4340	6990	-	10000	11500	
	6000	4640	7490	-	9800	11300	
	6500	4890	7990	-	9600	11100	
	6600	4940	8090	-	9400	10900	
	7000	5190	8490	-	9200	10700	

h1 Height with mast lowered
h2 Standard free lift
h3 Standard lift height
h4 Height with mast raised
h5 Full free lift
Q Lifting capacity, rated load
c Load centre (distance)

(Consult your Mitsubishi distributor for the maximum back tilt allowed to obtain the capacities specified)





Ast = Working aisle width with load
a = Safety clearance (200 mm)
l6 = Pallet length (800 or 1000 mm)
b12 = Pallet width (1200 mm)

Mast Type	h3 mm	h1 mm	h4 mm	h2 /h5 mm	FD135 • FD150 Q @ c=600 mm kg	FD135 Q @ c=600 mm kg	FD150 Q @ c=600 mm kg
Simplex	3000	3335	4930	-	13500	15000	
	3300	3485	5230	-	13500	15000	
	3500	3585	5430	-	13500	15000	
	3700	3685	5630	-	13500	15000	
	4000	3885	5930	-	13500	15000	
	4500	4135	6430	-	13500	15000	
	5000	4385	6930	-	13500	15000	
	5500	4685	7430	-	13500	15000	
	6000	4935	7930	-	13300	14600	
	6500	5235	8430	-	12900	14200	
	6600	5285	8530	-	12800	14200	
	7000	5485	8930	-	12600	13800	

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