Technical sheet :

MH 25 3B - FT4



MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Metric	Imperial
1.1	Manufacturer		Manitou	Manitou
1.2	Model Name		MH 25 3B - FT4	MH 25 3B - FT4
1.3	Power source		Diesel	Diesel
1.4	Operator type		Sitting	Sitting
1.5	Max. capacity	Q	2500 kg	5512 lb
1.6	Load center of gravity	c	500 mm	20 in
1.8	Load distance, centre of drive axle to fork	x	625 mm	25 in
1.9	Wheelbase	y	1800 mm	71 in
	Weight			
2.1	Service weight		4260 kg	9392 lb
2.2	Weight on front axle (laden) / rear axle (laden)		5812 kg / 948 kg	12813 lb / 2090 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1750 kg / 2510 kg	3858 lb / 5534 lb
	Wheels			
3.1	Tires type		Inflatable	Inflatable
3.2	Dimensions of front wheels		280/80 R20 XMCL27,10 - 12 IC 30 14PR	280/80 R20 XMCL27,10 - 12 IC 30 14PR
3.3	Dimensions of rear wheels		27,10 - 12 IC 30 14PR	27,10 - 12 IC 30 14PR
3.5	Number of front wheels / rear wheels		2 / 2	2 / 2
3.5.2	Number of drive wheels		4	4
3.6	Front wheel gauge	b10	1160 mm	46 in
3.7	Rear wheel gauge	b11	1164 mm	46 in
	Dimensions			
4.7	Height of overhead guard (cabin)	h6	2105 mm	83 in
4.8	Seat height/stand height	h7	1025 mm	40 in
4.19	Overall length	l1	4045 mm	159 in
4.20	Length to face of forks	l2	2945 mm	116 in
4.21	Overall width	b1	1450 mm	57 in
4.22	Forks section x width x length	s / e / l	40 mm x 100 mm / 1100 mm	2 in x 4 in / 43 in
4.23	Fork carriage ISO 2328 (class/form) A/B		2A	2A
4.24	Fork carriage width	b3	1260 mm	50 in
4.31	Ground clearance below mast	m1	260 mm	10 in
4.32	Ground clearance at centre of wheelbase	m2	260 mm	10 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	5290 mm	208 in
4.35	Turning radius	Wa	3265 mm	129 in
	Performances			
5.1	Travel speed (laden / unladen)		14 km/h / 14 km/h	9 mph / 9 mph
5.2	Lifting speed (laden / unladen)		0.40 m/s / 0.50 m/s	1 ft/s / 2 ft/s
5.3	Lowering speed (laden / unladen)		0.50 m/s / 0.40 m/s	2 ft/s / 1 ft/s
5.5	Drawbar pull (Laden / Unladen)		3550 daN / 3550 daN	3550 daN / 3550 daN
5.7	Gradeability (laden / unladen)		50 % / 48 %	50 % / 48 %
5.10	Service brake		Hydraulic	Hydraulic
	Engine			
7.2	Engine power according to ISO 1585		48.60 kW	48.60 kW
7.1	Engine brand / model		Kubota / V2403 CR TE4	Kubota / V2403 CR TE4
7.2	Engine power according to ISO 1585		48.60 kW	48.60 kW
7.3	Rated speed		2700 rpm	2700 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 2434 cm³	4 - 149 in³
	Miscellaneous			
8.2	Working hydraulic pressure for attachments		170 bar	2466 PSI
8.3	Oil flow rate for attachments		77 l/min	20 US gpm

Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 27	FVD 30	FVD 33	FVD 35	FVD 37	FVD 40	FVD 45	FVD 50	FVD 55	FVD 60
Mast/fork carriage tilt, forward	°	10	10	10	10	10	10	10	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12	12	12	12	12	6	6	6
h1 - Mast lowered height	in (mm)	78.5 (1995)	84.4 (2145)	90.4 (2295)	94.3 (2395)	100.6 (2555)	108.1 (2745)	117.9 (2995)	127.8 (3245)	137.6 (3495)	149 (3785)
h2 - Mast free lift	in (mm)	5.1 (130)	5.1 (130)	5.1 (130)	5.1 (130)	5.1 (130)	5.1 (130)	5.1 (130)	5.1 (130)	5.1 (130)	5.1 (130)
h4 - Mast extended height	in (mm)	139 (3531)	150.8 (3831)	160.2 (4070)	170.5 (4331)	178.4 (4531)	190.2 (4831)	209.9 (5331)	229.6 (5831)	249.3 (6331)	268.9 (6831)
Residual capacity at max height	lb (kg)	5512 (2500)	5512 (2500)	5512 (2500)	4189 (1900)	4189 (1900)	3417 (1550)	2425 (1100)			
Height at max capacity	in (mm)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)

Free Lift Triplex (FLT)		FLT 37	FLT 40	FLT 43	FLT 47	FLT 50	FLT 55	FLT 60	FLT 65	FLT 70
Mast/fork carriage tilt, forward	°	10	10	10	10	6	6	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12	12	6	6	6	6	6
h1 - Mast lowered height	in (mm)	76.6 (1945)	80.5 (2045)	84.4 (2145)	90.4 (2295)	94.3 (2395)	100.6 (2555)	108.1 (2745)	117.9 (2995)	127.8 (3245)
h2 - Mast free lift	in (mm)	48.1 (1221)	52 (1321)	55.9 (1421)	61.9 (1571)	65.8 (1671)	72.1 (1831)	79.6 (2021)	89.4 (2271)	99.3 (2521)
h4 - Mast extended height	in (mm)	175.9 (4469)	187.8 (4769)	199.6 (5069)	215.3 (5469)	227.1 (5769)	246.8 (6269)	266.5 (6769)	286.2 (7269)	305.9 (7769)
Residual capacity at max height	lb (kg)	4189 (1900)	3417 (1550)	2756 (1250)	2205 (1000)		1543 (700)			
Height at max capacity	in (mm)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)

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