

Technical sheet :

# **MH 25**

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 **MANITOU**  
HANDLING YOUR WORLD

	Technical characteristics		Imperial
1.1	Manufacturer		Manitou
1.2	Model Name		MH 25
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	5512 lb
1.6	Load center of gravity	c	20 in
1.8	Load distance, centre of drive axle to fork	x	25 in
1.9	Wheelbase	y	71 in
	Weight		
2.1	Service weight		9392 lb
2.2	Weight on front axle (laden) / rear axle (laden)		12813 lb / 2090 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		3858 lb / 5534 lb
	Wheels		
3.1	Tires type		Inflatable
3.2	Dimensions of front wheels		280/80 R20 XMCL
3.3	Dimensions of rear wheels		27,10 - 12 IC 30 14PR
3.5	Number of front wheels / rear wheels		2 / 2
3.5.2	Number of drive wheels		4
3.6	Front wheel gauge	b10	46 in
3.7	Rear wheel gauge	b11	46 in
	Dimensions		
4.7	Height of overhead guard (cabin)	h6	83 in
4.8	Seat height/stand height	h7	40 in
4.19	Overall length	l1	159 in
4.20	Length to face of forks	l2	116 in
4.21	Overall width	b1	57 in
4.22	Forks section x width x length	s / e / l	2 in x 4 in / 43 in
4.23	Fork carriage ISO 2328 (class/form) A/B		2A
4.24	Fork carriage width	b3	50 in
4.31	Ground clearance below mast	m1	10 in
4.32	Ground clearance at centre of wheelbase	m2	10 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	208 in
4.35	Turning radius	Wa	129 in
	Performances		
5.1	Travel speed (laden / unladen)		9 mph / 9 mph
5.2	Lifting speed (laden / unladen)		1 ft/s / 2 ft/s
5.3	Lowering speed (laden / unladen)		2 ft/s / 1 ft/s
5.5	Drawbar pull (Laden)		3550 daN
5.7	Gradeability (laden / unladen)		50 % / 48 %
5.10	Service brake		Hydraulic
	Engine		
7.2	Engine power according to ISO 1585		36 kW
7.1	Engine brand / model		Kubota / V2403 M-E3B
7.2	Engine power according to ISO 1585		36 kW
7.3	Rated speed		2700 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 149 in³
	Miscellaneous		
8.2	Working hydraulic pressure for attachments		2466 PSI
8.3	Oil flow rate for attachments		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	78.5	84.4	90.4	94.3	100.6	108.1	117.9	127.8	137.6	149
h2 - Mast free lift	in	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
h4 - Mast extended height	in	139	150.8	160.2	170.5	178.4	190.2	209.9	229.6	249.3	268.9
Residual capacity at max height	lb	5512	5512	5512	4189	4189	3417	2425			
Height at max capacity	in	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

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	76.6	80.5	84.4	90.4	94.3	100.6	108.1	117.9	127.8
h2 - Mast free lift	in	48.1	52	55.9	61.9	65.8	72.1	79.6	89.4	99.3
h4 - Mast extended height	in	175.9	187.8	199.6	215.3	227.1	246.8	266.5	286.2	305.9
Residual capacity at max height	lb	4189	3417	2756	2205		1543			
Height at max capacity	in	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
Height at max capacity with integrated sideshift	in			169.3						



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