Technical sheet:

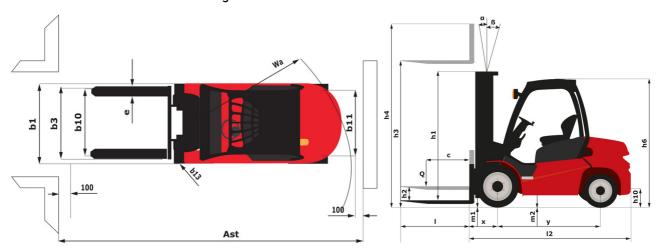
MI 25 D ST5 US





	Technical characteristics		Imperial
1.1	Manufacturer		MANITOU
1.2	Model Name		MI 25 D ST5 US
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	5512 lb
1.6	Load center of gravity	С	20 in
1.8	Load distance, centre of drive axle to fork	X	18 in
1.9	Wheelbase	у	63 in
	Weight		
2.1	Service weight		8818 lb
2.2	Weight on front axle (laden) / rear axle (laden)		12644 lb / 1687 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		3770 lb / 5049 lb
	Wheels		
3.1	Tires type		Solid tires
3.2	Dimensions of front wheels		7.00-12 12
3.3	Dimensions of rear wheels		6.00-9 10
3.5	Number of front wheels / rear wheels		2/2
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	38 in
3.7	Rear wheel gauge	b11	38 in
3.7	Dimensions	DII	30 111
4.7		h6	83 in
4.7	Height of overhead guard (cabin) Seat height/stand height	h7	47 in
1.12	Height of towing bar (coupling height)	h10	14 in
1.19	Overall length	l1	145 in
1.20	Length to face of forks	12	100 in
1.21	Overall width	b1	45 in
4.21	Overall width - Single wheels	b1	45 in
4.21	Overall width - Twinned wheels	b1	63 in
4.22	Forks section / width / length	s / e / l	2 in x 5 in x 45 in
4.23	Fork carriage ISO 2328 (class/form) A/B		2A
4.24	Fork carriage width	b3	41 in
4.31	Ground clearance below mast	m1	5 in
1.32	Ground clearance at centre of wheelbase	m2	7 in
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	155 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	163 in
4.35	Turning radius	Wa	89 in
4.36	Internal tuming radius (over tyres)	b13	6 in
	Performances		
5.1	Travel speed (laden / unladen)		11 mph-11 mph
5.2	Lifting speed (laden / unladen)		2 ft/s-2 ft/s
5.3	Lowering speed (laden / unladen)		2 ft/s-2 ft/s
5.5	Drawbar pull (Laden / Unladen)		1940 daN / 1240 daN
5.7	Gradeability (laden / unladen)		20 % / 20 %
5.10	Service brake		Hydraulic
	Engine		
7.1	Engine brand / model / norm		Kubota / V2607-CR-E5B / Stage V
7.2	Engine power (Hp / kW)		51 Hp/37.40 kW
7.3	Rated speed		2400 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 160 in³
	Miscellaneous		
8.2	Working hydraulic pressure for attachments		2321 PSI
8.3	Oil flow rate for attachments		9 US gpm
8.4	Measured/quaranteed mean noise level at the ear of the operator		84 dB

MI 25 D ST5 US - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 33	FVD 37	FVD 40
α - Mast/fork carriage tilt, forward	۰	6	6	6
β - Mast/fork carriage tilt, backward	۰	12	12	12
h1 - Mast lowered height	in	86	95.9	103.7
h2 - Mast free lift	in	5.5	5.5	5.5
h3 - Mast lifting height	in	129.9	145.7	157.5
h4 - Mast extended height	in	155.9	171.7	183.5
Residual capacity at max height	lb	5512	5512	5512
Residual capacity with integrated side shift at max heigth	lb	5512	5512	5512
Height at max capacity	in	129.9	145.7	157.5
Height at max capacity with integrated sideshift	in	129.9	145.7	157.5

Free Lift Duplex (FLD)		FLD 33	FLD 37	FLD 40
α - Mast/fork carriage tilt, forward	۰	6	6	6
β - Mast/fork carriage tilt, backward	۰	12	12	12
h1 - Mast lowered height	in	85	92.9	100.8
h2 - Mast free lift	in	58.3	66.1	74
h3 - Mast lifting height	in	129.9	145.7	157.5
h4 - Mast extended height	in	156.7	170.5	184.3
Residual capacity at max height	lb	5512	5512	5512
Residual capacity with integrated side shift at max heigth	lb	5512	5512	5512
Height at max capacity	in	129.9	145.7	157.5
Height at max capacity with integrated	in	129.9	145.7	157.5

Free Lift Triplex (FLT)		FLT 43	FLT 45	FLT 47	FLT 48	FLT 50	FLT 55	FLT 60	FLT 65
α - Mast/fork carriage tilt, forward	۰	6	6	6	6	6	3	3	3
β - Mast/fork carriage tilt, backward	٠	6	6	6	6	6	6	6	6
h1 - Mast lowered height	in	82.7	84.6	86.6	88.6	90.6	98.4	108.3	114.2
h2 - Mast free lift	in	55.1	57.9	59.8	61.8	63.8	71.7	81.5	86.6
h3 - Mast lifting height	in	169.3	177.2	185	189	196.9	216.5	236.2	255.9
h4 - Mast extended height	in	196.9	205.9	211.8	215.7	223.6	243.3	265	283.5
Residual capacity at max height	lb	5291	5181	4850	4850	4299	3638	2315	2205
Residual capacity with integrated side shift at max heigth	lb	5181	5071	4740	4740	4189	3527	2205	2094
Height at max capacity	in	157.5	157.5	157.5	157.5	157.5	157.5	157.5	98.4
Height at max capacity with	in	157.5	157.5	157.5	157.5	157.5	157.5	157.5	





Head Office

B.P. 249 - 430 rue de l'Aubinière 44150 Ancenis Cedex - France Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97 www.manitou.com



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