

Technical sheet :

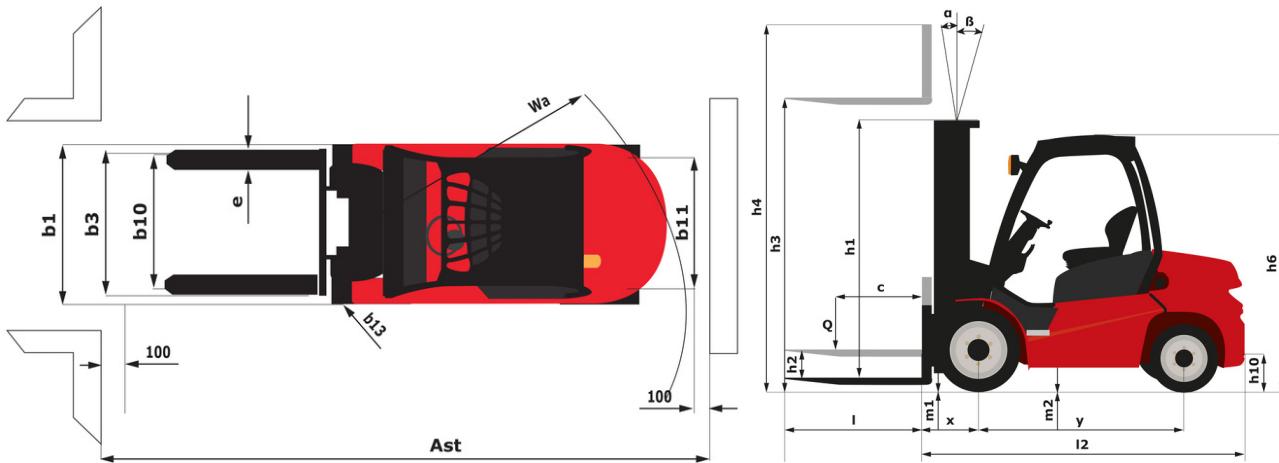
# MI 25 G US



 **MANITOU**  
HANDLING YOUR WORLD

	Technical characteristics		Imperial
1.1	Manufacturer		Manitou
1.2	Model Name		MI 25 G US
1.3	Power source		LPG
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	18 in
1.9	Wheelbase	y	63 in
	Standard mast reference of the machine		FVD 33
<b>Weight</b>			
2.1	Service weight		8587 lb
2.2	Weight on front axle (laden) / rear axle (laden)		12489 lb / 1609 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		3671 lb / 4916 lb
<b>Wheels</b>			
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
<b>Dimensions</b>			
4.8	Seat height/stand height	h7	47 in
4.7	Height of overhead guard (cabin)	h6	83 in
4.12	Height of towing bar (coupling height)	h10	14 in
4.19	Overall length	l1	145 in
4.20	Length to face of forks	l2	100 in
4.21	Overall width	b1	45 in
4.21	Overall width - Single wheels	b1	45 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
4.32	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 turning radius (over tyres)	b13	6 in
<b>Performances</b>			
5.1	Travel speed (laden / unladen)		12 mph-12 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)		1700 daN / 1040 daN
5.7	Gradeability (laden / unladen)		20 % / 20 %
5.10	Service brake		Hydraulic
	Transmission type		Torque converter
<b>Engine</b>			
7.1	Engine brand / model		GCT (ex-Nissan) / K25
7.2	Engine power (Hp / kW)		63 Hp/46 kW
7.3	Rated speed		2400 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 152 in <sup>3</sup>
<b>Miscellaneous</b>			
8.2	Working hydraulic pressure for attachments		2321 PSI
8.3	Oil flow rate for attachments		19 US gpm
8.4	Measured/guaranteed mean noise level at the ear of the operator		80 dB
8.4	Sound level at the driver's ear according to DIN 12 053		80 dB

MI 25 G US - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 33	FVD 37	FVD 40
$\alpha$ - Mast/fork carriage tilt, forward	°	6	6	6
$\beta$ - Mast/fork carriage tilt, backward	°	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 height	lb	5512	5512	5512
Residual capacity with hooked-on side shift at max height	lb	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	°	6	6
β - Mast/fork carriage tilt, backward	°	12	12
h1 - Mast lowered height	in	85	92.9
h2 - Mast free lift	in	58.3	66.1
h3 - Mast lifting height	in	129.9	145.7
h4 - Mast extended height	in	156.7	170.5
Residual capacity at max height	lb	5512	5512
Residual capacity with integrated side shift at max height	lb	5512	5512
Height at max capacity	in	129.9	145.7
Height at max capacity with integrated sideshift	in	129.9	145.7



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