

Technical sheet :

# **MI 25 G ST5**

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 **MANITOU**  
HANDLING YOUR WORLD

Technical characteristics			Imperial
1.1	Manufacturer		MANITOU
1.2	Model Name		MI 25 G ST5 US
1.3	Power source		Lpg
1.5	Max. capacity	Q	5512 lb
1.6	Load center of gravity	c	20 in
1.9	Wheelbase	y	63 in
Weight			
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
Wheels			
3.1	Tires type		Super Elastic
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
Dimensions			
4.7	Height of overhead guard (cabin)	h6	83 in
4.8	Seat height/stand height	h7	47 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
4.21	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
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
Performances			
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
5.7	Gradeability (laden / unladen)		20 % / 20 %
5.10	Service brake		Hydraulic
Engine			
7.1	Engine brand / model		GCT (ex-Nissan) / GK25 LPG
7.2	I.C. Engine power rating		43.40 kW
7.4	Number of cylinders / Capacity of cylinders		4 - 152 in <sup>3</sup>
Miscellaneous			
8.2	Working hydraulic pressure for attachments		2321 PSI
8.3	Oil flow rate for attachments		9 US gpm
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 80 dB

## Characteristics of masts and residual capacities

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

Free Lift Triplex (FLT)		FLT 47
α - Mast/fork carriage tilt, forward	°	6
β - Mast/fork carriage tilt, backward	°	6
h1 - Mast lowered height	in	86.6
h2 - Mast free lift	in	59.8
h3 - Mast lifting height	in	185
h4 - Mast extended height	in	211.8
Residual capacity at max height	lb	4850
Residual capacity with integrated side shift at max height	lb	4740
Height at max capacity	in	157.5
Height at max capacity with integrated sideshift	in	157.5



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