

Technical sheet :

# **MI 25 G ST5**

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	Technical characteristics		Metric
1.1	Manufacturer		MANITOU
1.2	Model Name		MI 25 G ST5 US
1.3	Power source		Lpg
1.5	Max. capacity	Q	2500 kg
1.6	Load center of gravity	c	500 mm
1.9	Wheelbase	y	1600 mm
	<b>Weight</b>		
2.1	Service weight		3895 kg
2.2	Weight on front axle (laden) / rear axle (laden)		5665 kg / 730 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1665 kg / 2230 kg
	<b>Wheels</b>		
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	965 mm
3.7	Rear wheel gauge	b11	973 mm
	<b>Dimensions</b>		
4.7	Height of overhead guard (cabin)	h6	2115 mm
4.8	Seat height/stand height	h7	1190 mm
4.12	Height of towing bar (coupling height)	h10	360 mm
4.19	Overall length	l1	3685 mm
4.20	Length to face of forks	l2	2535 mm
4.21	Overall width	b1	1155 mm
4.21	Overall width - Single wheels	b1	1155 mm
4.21	Overall width - Twinned wheels	b1	1595 mm
4.22	Forks section / width / length	s / e / l	40 mm x 122 mm x 1150 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		2A
4.24	Fork carriage width	b3	1038 mm
4.31	Ground clearance below mast	m1	115 mm
4.32	Ground clearance at centre of wheelbase	m2	175 mm
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	3930 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	4130 mm
4.35	Turning radius	Wa	2265 mm
4.36	Internal turning radius (over tyres)	b13	145 mm
	<b>Performances</b>		
5.1	Travel speed (laden / unladen)		19.40 km/h-19.70 km/h
5.2	Lifting speed (laden / unladen)		0.55 m/s-0.64 m/s
5.3	Lowering speed (laden / unladen)		0.50 m/s-0.50 m/s
5.7	Gradeability (laden / unladen)		20 % / 20 %
5.10	Service brake		Hydraulic
	<b>Engine</b>		
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 - 2488 cm³
	<b>Miscellaneous</b>		
8.2	Working hydraulic pressure for attachments		160 bar
8.3	Oil flow rate for attachments		35 l/min
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
$\alpha$ - Mast/fork carriage tilt, forward	°	6
$\beta$ - Mast/fork carriage tilt, backward	°	12
h1 - Mast lowered height	mm	2185
h2 - Mast free lift	mm	140
h3 - Mast lifting height	mm	3300
h4 - Mast extended height	mm	3960
Residual capacity at max height	kg	2500
Residual capacity with integrated side shift at max height	kg	2500
Height at max capacity	mm	3300
Height at max capacity with integrated sideshift	mm	3300

Free Lift Triplex (FLT)		FLT 47
$\alpha$ - Mast/fork carriage tilt, forward	°	6
$\beta$ - Mast/fork carriage tilt, backward	°	6
h1 - Mast lowered height	mm	2200
h2 - Mast free lift	mm	1520
h3 - Mast lifting height	mm	4700
h4 - Mast extended height	mm	5380
Residual capacity at max height	kg	2200
Residual capacity with integrated side shift at max height	kg	2150
Height at max capacity	mm	4000
Height at max capacity with integrated sideshift	mm	4000



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