

Technical sheet :

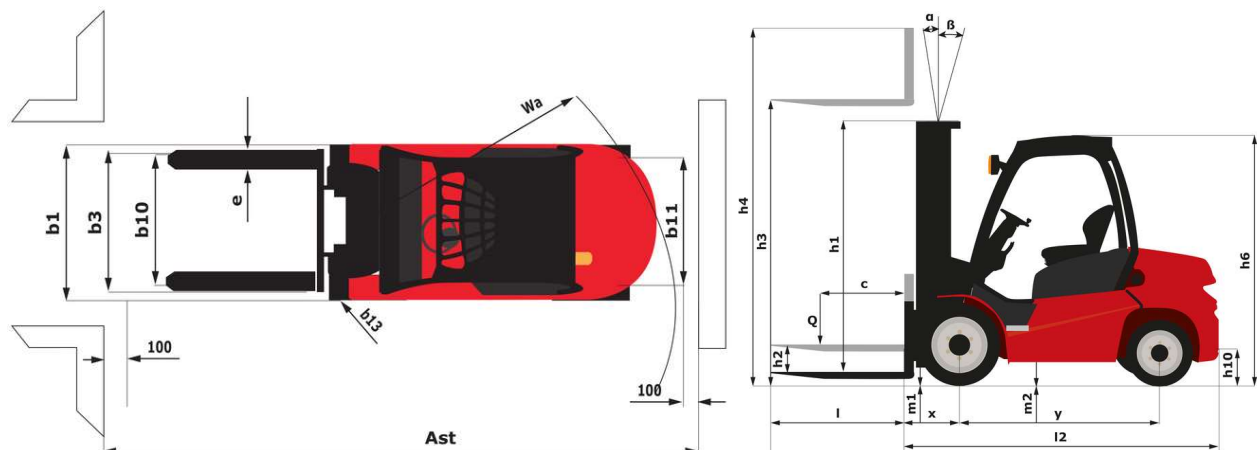
MI 25 GST5



 **MANITOU**
HANDLING YOUR WORLD

	Technical characteristics		Metric
1.1	Manufacturer		MANITOU
1.2	Model Name		MI 25 G ST5
1.3	Power source		Lpg
1.4	Operator type		Sitting
1.5	Max. capacity	Q	2500 kg
1.6	Load centre of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	465 mm
1.9	Wheelbase	y	1600 mm
	Weight		
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
	Wheels		
3.1	Tyres 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
	Dimensions		
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 - 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
	Performances		
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
5.5	Drawbar pull (Laden / Unladen)		1940 daN / 1040 daN
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	Engine power according to ISO 1585		43.40 kW
7.3	Rated speed		2700 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 2488 cm³
	Miscellaneous		
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

MI 25 G ST5 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 33	FVD 37	FVD 40
h2 - Free lift	mm	140	140	140
h1 - Height mast lowered *	mm	2185	2435	2635
h3 - Lifting Height	mm	3300	3700	4000
h4 - Height mast extended *	mm	3960	4360	4660
α / β - Mast inclination (front / rear)	°	6 / 12	6 / 12	6 / 12
Residual capacity without attachment (Industrial load chart)	kg	2500	2500	2500
Residual capacity with integrated side shift (Industrial load chart)	kg	2500	2500	2500
Height at max capacity	mm	3300	3700	4000
Height at max capacity with integrated sideshift	mm	3300	3700	4000

Free Lift Duplex (FLD)		FLD 33	FLD 37	FLD 40
h2 - Free lift	mm	1480	1680	1880
h1 - Height mast lowered *	mm	2160	2360	2560
h3 - Lifting Height	mm	3300	3700	4000
h4 - Height mast extended *	mm	3980	4330	4680
α / β - Mast inclination (front / rear)	°	6 / 12	6 / 12	6 / 12
Residual capacity without attachment (Industrial load chart)	kg	2500	2500	2500
Residual capacity with integrated side shift (Industrial load chart)	kg	2500	2500	2500
Height at max capacity	mm	3300	3700	4000
Height at max capacity with integrated sideshift	mm	3300	3700	4000

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