

Technical sheet :

MI 18 G



 **MANITOU**
HANDLING YOUR WORLD

Technical characteristics			Metric	Imperial
1.1	Manufacturer		Manitou	Manitou
1.2	Model Name		MI 18 G	MI 18 G
1.3	Power source		Lpg	Lpg
1.4	Operator type		Seated	Seated
1.5	Max. capacity	Q	1800 kg	3968 lb
1.6	Load center of gravity	c	500 mm	20 in
1.8	Load distance, centre of drive axle to fork	x	405 mm	16 in
1.9	Wheelbase	y	1420 mm	56 in
Weight				
2.1	Service weight		2905 kg	6404 lb
2.2	Weight on front axle (laden) / rear axle (laden)		4160 kg / 545 kg	9171 lb / 1202 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1215 kg / 1690 kg	2679 lb / 3726 lb
Wheels				
3.1	Tires type		Solid tires	Solid tires
3.2	Dimensions of front wheels		6.50-10 10	6.50-10 10
3.3	Dimensions of rear wheels		5.00-8 8	5.00-8 8
3.5	Number of front wheels / rear wheels		2 / 2	2 / 2
3.5.2	Number of drive wheels		2	2
3.6	Front wheel gauge	b10	900 mm	35 in
3.7	Rear wheel gauge	b11	920 mm	36 in
Dimensions				
4.7	Height of overhead guard (cabin)	h6	2090 mm	82 in
4.8	Seat height/stand height	h7	1160 mm	46 in
4.12	Height of towing bar (coupling height)	h10	315 mm	12 in
4.19	Overall length	l1	3350 mm	132 in
4.20	Length to face of forks	l2	2280 mm	90 in
4.21	Overall width	b1	1080 mm	43 in
4.21	Overall width - Single wheels	b1	1080 mm	43 in
4.22	Forks section / width / length	s / e / l	35 mm x 100 mm x 1150 mm	1 in x 4 in x 45 in
4.23	Fork carriage ISO 2328 (class/form) A/B		2A	2A
4.24	Fork carriage width	b3	1000 mm	39 in
4.31	Ground clearance below mast	m1	115 mm	5 in
4.32	Ground clearance at centre of wheelbase	m2	150 mm	6 in
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	3615 mm	142 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	3815 mm	150 in
4.35	Turning radius	Wa	2010 mm	79 in
4.36	Internal turning radius (over tyres)	b13	55 mm	2 in
Performances				
5.1	Travel speed (laden / unladen)		17.50 km/h-18 km/h	11 mph-11 mph
5.2	Lifting speed (laden / unladen)		0.45 m/s-0.55 m/s	1 ft/s-2 ft/s
5.3	Lowering speed (laden / unladen)		0.50 m/s-0.55 m/s	2 ft/s-2 ft/s
5.5	Drawbar pull (Laden / Unladen)		1450 daN / 800 daN	1450 daN / 800 daN
5.7	Gradeability (laden / unladen)		20 % / 20 %	20 % / 20 %
5.10	Service brake		Hydraulic	Hydraulic
Engine				
7.1	Engine brand / model		GCT (ex-Nissan) / K21	GCT (ex-Nissan) / K21
7.2	I.C. Engine power rating		29 kW	29 kW
7.3	Rated speed		2250 rpm	2250 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 2065 cm³	4 - 126 in³
Miscellaneous				
8.2	Working hydraulic pressure for attachments		160 bar	2321 PSI
8.3	Oil flow rate for attachments		52 l/min	14 US gpm
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 81 dB	< 81 dB
8.4	Sound level at the driver's ear according to DIN 12 053		81 dB	81 dB

MI 18 G - Dimensional drawing





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