

Technical sheet :

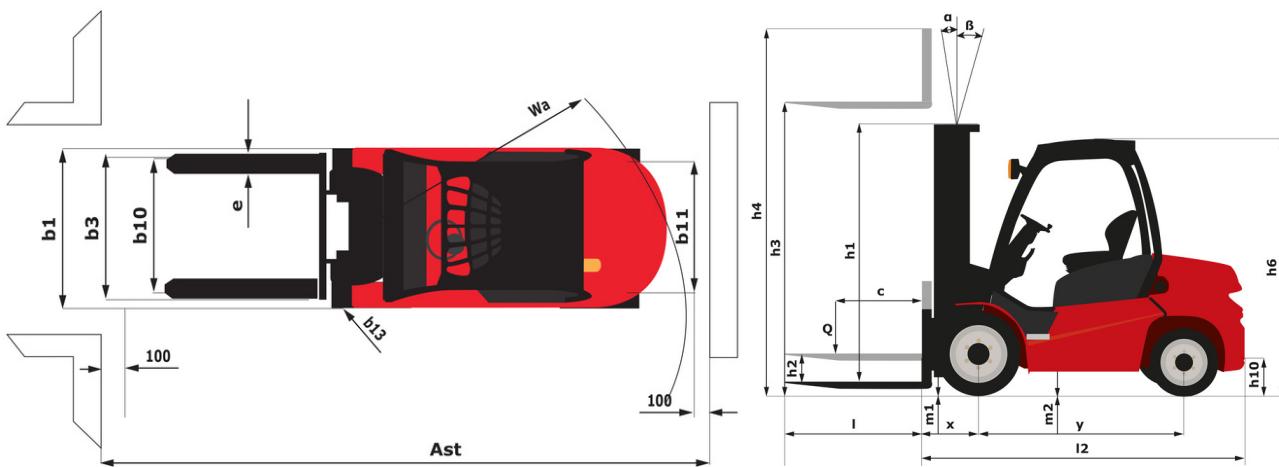
MI 18 G ST5



 **MANITOU**
HANDLING YOUR WORLD

Technical characteristics		Metric	
1.1	Manufacturer	MANITOU	
1.2	Model Name	MI 18 G ST5	
1.3	Power source	LPG	
1.4	Operator type	Seated	
1.5	Max. capacity	1800 kg	
1.6	Load center of gravity	500 mm	
1.8	Load distance, centre of drive axle to fork	405 mm	
1.9	Wheelbase	1420 mm	
Weight			
2.1	Service weight	2905 kg	
2.2	Weight on front axle (laden) / rear axle (laden)	4160 kg / 454 kg	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	1215 kg / 1690 kg	
Wheels			
3.1	Tires type	Solid tires	
3.2	Dimensions of front wheels	6.50-10 10	
3.3	Dimensions of rear wheels	5.00-8 8	
3.5	Number of front wheels / rear wheels	2 / 2	
3.5.2	Number of drive wheels	2	
3.6	Front wheel gauge	900 mm	
3.7	Rear wheel gauge	920 mm	
Dimensions			
4.8	Seat height/stand height	1160 mm	
4.7	Height of overhead guard (cabin)	2090 mm	
4.12	Height of towing bar (coupling height)	315 mm	
4.19	Overall length	3350 mm	
4.20	Length to face of forks	2280 mm	
4.21	Overall width	1080 mm	
4.21	Overall width - Single wheels	1080 mm	
4.21	Overall width - Twinned wheels	1500 mm	
4.22	Forks section / width / length	35 mm x 100 mm x 1070 mm	
4.23	Fork carriage ISO 2328 (class/form) A/B	2A	
4.24	Fork carriage width	1000 mm	
4.31	Ground clearance below mast	115 mm	
4.32	Ground clearance at centre of wheelbase	150 mm	
4.33	Aisle Width for pallets 1000 x 1200 crossways	3615 mm	
4.34	Aisle width for 800 x 1200 pallet lengthways	3815 mm	
4.35	Turning radius	2010 mm	
4.36	Internal turning radius (over tyres)	55 mm	
Performances			
5.1	Travel speed (laden / unladen)	17.50 km/h-18 km/h	
5.2	Lifting speed (laden / unladen)	0.61 m/s-0.65 m/s	
5.3	Lowering speed (laden / unladen)	0.50 m/s-0.55 m/s	
5.5	Drawbar pull (Laden / Unladen)	1800 daN / 800 daN	
5.7	Gradeability (laden / unladen)	20 % / 20 %	
5.10	Service brake	Hydraulic	
Engine			
7.1	Engine brand / model	GCT (ex-Nissan) / GK21 LPG	
7.2	Engine power (Hp / kW)	52 Hp/38.40 kW	
7.3	Rated speed	2700 rpm	
7.4	Number of cylinders / Capacity of cylinders	4 - 2065 cm ³	
Miscellaneous			
8.2	Working hydraulic pressure for attachments	160 bar	
8.3	Oil flow rate for attachments	25 l/min	
8.4	Measured/guaranteed mean noise level at the ear of the operator	81 dB	

MI 18 G ST5 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)	FVD 33	FVD 37	FVD 40
α - Mast/fork carriage tilt, forward	°	6	6
β - Mast/fork carriage tilt, backward	°	12	12
h1 - Mast lowered height	mm	2145	2395
h2 - Mast free lift	mm	155	155
h3 - Mast lifting height	mm	3300	3700
h4 - Mast extended height	mm	3865	4265
Residual capacity at max height	kg	1800	1800
Residual capacity with integrated side shift at max height	kg	1750	1750
Height at max capacity	mm	3300	3700
			2500

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	mm	2160	2360
h2 - Mast free lift	mm	1575	1775
h3 - Mast lifting height	mm	3300	3700
h4 - Mast extended height	mm	3885	4285
Residual capacity at max height	kg	1800	1800
Residual capacity with integrated side shift at max height	kg	1750	1750
Height at max capacity	mm	3300	3700
			2500



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