Technical sheet :

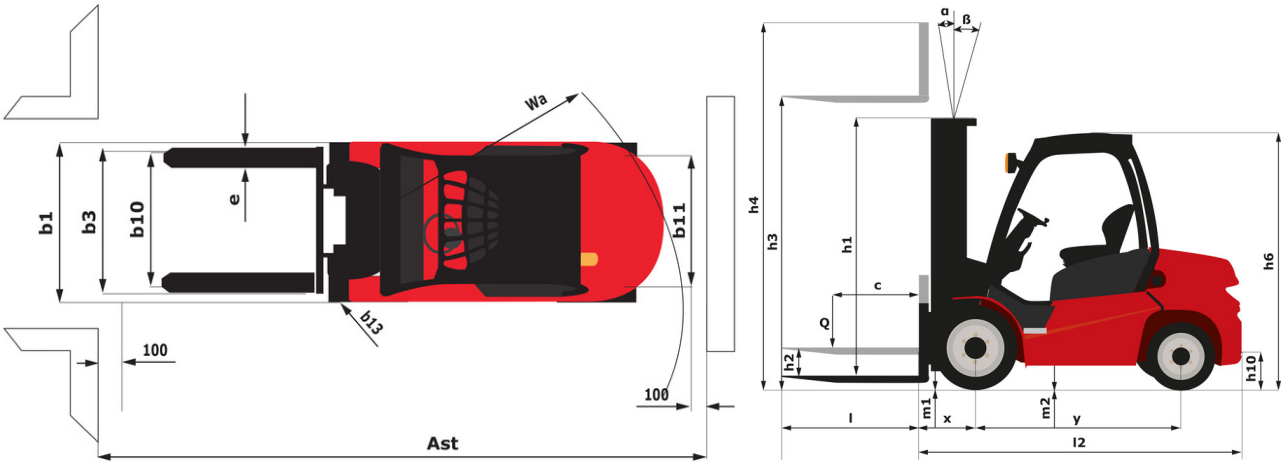
MI 70 G



MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Imperial
1.1	Manufacturer		Manitou
1.2	Model Name		MI 70 G
1.3	Power source		Lpg
1.4	Operator type		Sitting
1.5	Max. capacity	Q	15432 lb
1.6	Load center of gravity	c	24 in
1.8	Load distance, centre of drive axle to fork	x	24 in
1.9	Wheelbase	y	91 in
	Weight		
2.1	Service weight		21153 lb
2.2	Weight on front axle (laden) / rear axle (laden)		32695 lb / 3891 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		8620 lb / 12533 lb
	Wheels		
3.1	Tires type		Pneumatic
3.2	Dimensions of front wheels		8.25-15-14PR
3.3	Dimensions of rear wheels		8.25-15-14PR
3.5	Number of front wheels / rear wheels		4 / 2
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	59 in
3.7	Rear wheel gauge	b11	67 in
	Dimensions		
4.7	Height of overhead guard (cabin)	h6	96 in
4.8	Seat height/stand height	h7	53 in
4.12	Height of towing bar (coupling height)	h10	28 in
4.19	Overall length	l1	189 in
4.20	Length to face of forks	l2	141 in
4.21	Overall width	b1	78 in
4.21	Overall width - Twinned wheels	b1	78 in
4.22	Forks section / width / length	s / e / l	3 in x 6 in x 48 in
4.23	Fork carriage ISO 2328 (class/form) A/B		4A
4.24	Fork carriage width	b3	67 in
4.31	Ground clearance below mast	m1	7 in
4.32	Ground clearance at centre of wheelbase	m2	11 in
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	207 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	212 in
4.35	Turning radius	Wa	131 in
4.36	Internal turning radius (over tyres)	b13	48 in
	Performances		
5.1	Travel speed (laden / unladen)		17 mph-19 mph
5.2	Lifting speed (laden / unladen)		1 ft/s-2 ft/s
5.3	Lowering speed (laden / unladen)		2 ft/s-1 ft/s
5.5	Drawbar pull (Laden / Unladen)		5900 daN / 2750 daN
5.7	Gradeability (laden)		27 %
5.10	Service brake		Hydraulic
	Engine		
7.1	Engine brand / model		PSI / 4,3L
7.2	Engine power according to ISO 1585		74 kW
7.3	Rated speed		2300 rpm
7.4	Number of cylinders / Capacity of cylinders		6 - 262 in³
	Miscellaneous		
8.2	Working hydraulic pressure for attachments		2828 PSI
8.3	Oil flow rate for attachments		32 US gpm
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 88 dB
8.4	Sound level at the driver's ear according to DIN 12 053		88 dB

MI 70 G - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 36	FVD 40	FVD 45	FVD 50
Mast/fork carriage tilt, forward	°	6	6	6	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12	12	6	6
h1 - Mast lowered height	in	98.4	104.3	110.2	118.1	129.9	139.8
h2 - Mast free lift	in	6.3	6.3	6.3	6.3	6.3	6.3
h3 - Mast lifting height	in	118.1	129.9	141.7	157.5	177.2	196.9
h4 - Mast extended height	in	164.1	175.9	187.7	203.4	223.1	242.8
Residual capacity at max height	lb	15432	15432	15432	15432	15432	15432
Residual capacity with hooked-on side shift at max heigth	lb	14330	14330	14330	14330	14330	14330
Height at max capacity	in	118.1	129.9	141.7	157.5	177.2	196.9
Height at max capacity with hooked-on sideshift	in	118.1	129.9	141.7	157.5	177.2	196.9

Free Lift Duplex (FLD)		FLD 30	FLD 33	FLD 36	FLD 40
Mast/fork carriage tilt, forward	°	6	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12	12
h1 - Mast lowered height	in	96.5	102.4	108.3	116.1
h2 - Mast free lift	in	52.6	58.5	64.4	72.2
h3 - Mast lifting height	in	118.1	129.9	141.7	157.5
h4 - Mast extended height	in	162	173.8	185.6	201.4
Residual capacity at max height	lb	15432	15432	15432	15432
Residual capacity with hooked-on side shift at max heigth	lb	14330	14330	14330	14330
Height at max capacity	in	118.1	129.9	141.7	157.5
Height at max capacity with hooked-on sideshift	in	118.1	129.9	141.7	157.5

Free Lift Triplex (FLT)		FLT 45	FLT 48	FLT 50	FLT 55	FLT 60
Mast/fork carriage tilt, forward	°	6	6	6	3	3
Mast/fork carriage tilt, backward	°	6	6	6	6	6
h1 - Mast lowered height	in	107.3	111.2	113.2	121.1	127
h2 - Mast free lift	in	59.1	63	65.8	70.9	78.7
h3 - Mast lifting height	in	177.2	189	196.9	216.5	236.2
h4 - Mast extended height	in	225.8	237.6	244.6	267.1	284.8
Residual capacity at max height	lb	14110	13889	13889	13448	12125
Residual capacity with hooked-on side shift at max heigth	lb	13007	12787	12787	12346	11023
Height at max capacity	in	177.2	189	196.9	216.5	236.2
Height at max capacity with hooked-on sideshift	in	177.2	189	196.9	216.5	236.2

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