Technical sheet :

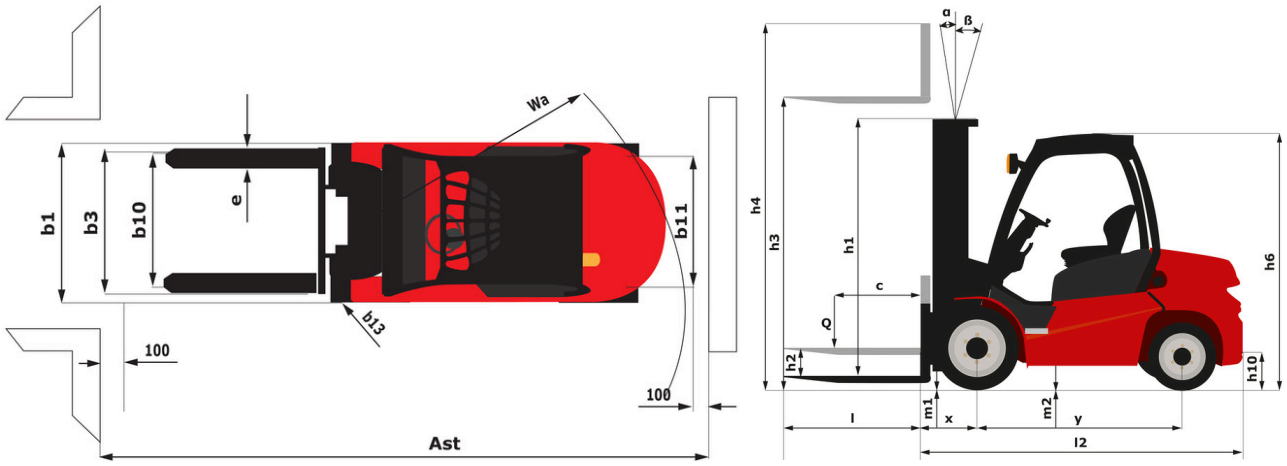
MI 30 G US



MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Imperial
1.1	Manufacturer		Manitou
1.2	Model Name		MI 30 G US
1.3	Power source		LPG
1.4	Operator type		Seated
1.5	Max. capacity	Q	6614 lb
1.6	Load center of gravity	c	20 in
1.8	Load distance, centre of drive axle to fork	x	19 in
1.9	Wheelbase	y	67 in
	Standard mast reference of the machine		FVD 33
	Weight		
2.1	Service weight		9899 lb
2.2	Weight on front axle (laden) / rear axle (laden)		14462 lb / 2050 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		3979 lb / 5919 lb
	Wheels		
3.1	Tires type		Solid tires
3.2	Dimensions of front wheels		28-9-15 12
3.3	Dimensions of rear wheels		6.50-10 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	40 in
3.7	Rear wheel gauge	b11	38 in
	Dimensions		
4.8	Seat height/stand height	h7	48 in
4.7	Height of overhead guard (cabin)	h6	84 in
4.12	Height of towing bar (coupling height)	h10	14 in
4.19	Overall length	l1	152 in
4.20	Length to face of forks	l2	107 in
4.21	Overall width	b1	48 in
4.21	Overall width - Single wheels	b1	48 in
4.22	Forks section / width / length	s / e / l	2 in x 5 in x 45 in
4.23	Fork carriage ISO 2328 (class/form) A/B		3A
4.24	Fork carriage width	b3	43 in
4.31	Ground clearance below mast	m1	5 in
4.32	Ground clearance at centre of wheelbase	m2	8 in
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	163 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	171 in
4.35	Turning radius	Wa	97 in
4.36	Internal turning radius (over tyres)	b13	6 in
	Performances		
5.1	Travel speed (laden / unladen)		11 mph-11 mph
5.2	Lifting speed (laden / unladen)		1 ft/s-2 ft/s
5.3	Lowering speed (laden / unladen)		2 ft/s-2 ft/s
5.5	Drawbar pull (Laden / Unladen)		1740 daN / 1080 daN
5.7	Gradeability (laden / unladen)		20 % / 20 %
5.10	Service brake		Hydraulic
	Transmission type		Torque converter
	Engine		
7.1	Engine brand / model		GCT (ex-Nissan) / K25
7.2	Engine power (Hp / kW)		63 Hp/46 kW
7.3	Rated speed		2400 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 152 in³
	Miscellaneous		
8.2	Working hydraulic pressure for attachments		2321 PSI
8.3	Oil flow rate for attachments		19 US gpm
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 80 dB
8.4	Sound level at the driver's ear according to DIN 12 053		80 dB

MI 30 G US - 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	6
β - Mast/fork carriage tilt, backward	°	12	12	12
h1 - Mast lowered height	in	86.6	96.5	104.3
h2 - Mast free lift	in	5.7	5.7	5.7
h3 - Mast lifting height	in	129.9	145.7	157.5
h4 - Mast extended height	in	158.9	174.6	186.4
Residual capacity at max height	lb	6614	6614	6614
Residual capacity with integrated side shift at max heigth	lb	6614	6614	6614
Height at max capacity	in	129.9	145.7	157.5
Height at max capacity with integrated sideshift	in	129.9	145.7	157.5

Free Lift Duplex (FLD)		FLD 33	FLD 37	FLD 40
α - Mast/fork carriage tilt, forward	°	6	6	6
β - Mast/fork carriage tilt, backward	°	12	12	12
h1 - Mast lowered height	in	87.8	95.7	101.6
h2 - Mast free lift	in	58.1	65.9	71.9
h3 - Mast lifting height	in	129.9	145.7	157.5
h4 - Mast extended height	in	159.6	175.4	187.2
Residual capacity at max height	lb	6614	6614	6614
Residual capacity with integrated side shift at max heigth	lb	6614	6614	6614
Height at max capacity	in	129.9	145.7	157.5
Height at max capacity with integrated sideshift	in	129.9	145.7	157.5

Free Lift Triplex (FLT)		FLT 43	FLT 45	FLT 47	FLT 48	FLT 50	FLT 55	FLT 60	FLT 65
α - Mast/fork carriage tilt, forward	°	6	6	6	6	6	3	3	3
β - Mast/fork carriage tilt, backward	°	6	6	6	6	6	6	6	6
h1 - Mast lowered height	in	83.3	85.2	87.2	89.2	91.1	99	108.9	114.8
h2 - Mast free lift	in	53.5	55.5	57.5	59.4	61.4	69.3	79.1	85
h3 - Mast lifting height	in	169.3	177.2	185	189	196.9	216.5	236.2	255.9
h4 - Mast extended height	in	199	208.9	214.8	218.7	226.6	246.3	267.9	285.6
Residual capacity at max height	lb	6504	6393	6173	6173	5512	4079	3086	2866
Residual capacity with integrated side shift at max heigth	lb	6283	6173	5952	5952	5291	3858	2866	2756
Residual capacity with hooked-on side shift at max heigth	lb								2756
Height at max capacity	in	157.5	157.5	157.5	157.5	157.5	157.5	157.5	98.4
Height at max capacity with integrated sideshift	in	157.5	157.5	157.5	157.5				

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