

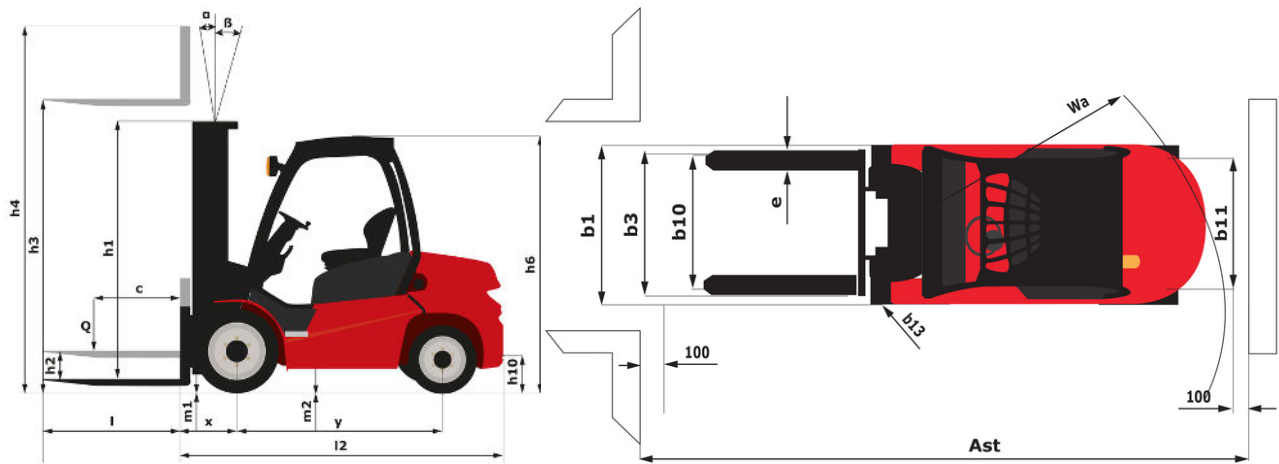
Technical sheet :

MI 30 G



Technical characteristics			Imperial
1.1	Manufacturer		Manitou
1.2	Model Name		MI 30 G
1.3	Power source		Lpg
1.4	Operator type		Sitting
1.5	Max. capacity	Q	6614 lb
1.6	Load centre of gravity	c	20 in
1.8	Load distance, centre of drive axle to fork	x	19 in
1.9	Wheelbase	y	67 in
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	Tyres type		PPS
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			
4.1	Tilt of Mast Forward (deg) / Backward (deg)	α / β	6 / 12
4.7	Height of overhead guard (cabin)	h6	84 in
4.8	Seat height/stand height	h7	48 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 / 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	14238 ft 10 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 mi/h / 11 mi/h
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
Engine			
7.1	Engine brand / model		GCT (ex-Nissan) / K25
7.2	Engine power according to ISO 1585		47 Hp
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 - Dimensional drawing



Characteristics of masts and residual capacities

Duplex with total visibility		FVD 33	FVD 33	FVD 37	FVD 37	FVD 40	FVD 40
h2 - Free lift	in	6"	6"	6"	6"	6"	6"
h1 - Height mast lowered *	in	7' 3"	7' 3"	8'	8'	8' 8"	8' 8"
h3 - Lifting Height	in	10' 10"	10' 10"	12' 2"	12' 2"	13' 1"	13' 1"
h4 - Height mast extended *	in	13' 3"	13' 3"	14' 7"	14' 7"	15' 6"	15' 6"
α / β - Mast inclination (front / rear)	°	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12
Residual capacity without attachment (Industrial load chart)	lb	6613.87	6613.87	6613.87	6613.87	6613.87	6613.87
Residual capacity with integrated side shift (Industrial load chart)	lb	6613.87	6613.87	6613.87	6613.87	6613.87	6613.87
Height at max capacity	in	10' 10"	10' 10"	12' 2"	12' 2"	13' 1"	13' 1"
Height at max capacity with integrated sideshift	in	10' 10"	10' 10"	12' 2"	12' 2"	13' 1"	13' 1"
Height at max capacity Fork positioner + DL	in	10' 10"	10' 10"	12' 2"	12' 2"	13' 1"	13' 1"

Duplex with free lift		FLD 33	FLD 33	FLD 37	FLD 40	FLD 40
h2 - Free lift	in	4' 10"	4' 10"	5' 6"	6'	6'
h1 - Height mast lowered *	in	7' 4"	7' 4"	8'	8' 6"	10"
h3 - Lifting Height	in	10' 10"	10' 10"	12' 2"	13' 1"	13' 1"
h4 - Height mast extended *	in	13' 4"	13' 4"	14' 7"	15' 7"	15' 7"
α / β - Mast inclination (front / rear)	°	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12
Residual capacity without attachment (Industrial load chart)	lb	6613.87	6613.87	6613.87	6613.87	6613.87
Residual capacity with integrated side shift (Industrial load chart)	lb	6613.87	6613.87	6613.87	6613.87	6613.87
Height at max capacity	in	10' 10"	10' 10"	12' 2"	13' 1"	13' 1"
Height at max capacity with integrated sideshift	in	10' 10"	10' 10"	12' 2"	13' 1"	13' 1"
Height at max capacity Fork positioner + DL	in	10' 10"	10' 10"	12' 2"		

Free lift triplex		FLT 43	FLT 45	FLT 47	FLT 48	FLT 50	FLT 55	FLT 60	FLT 65
h2 - Free lift	in	4' 6"	4' 8"	4' 9"	4' 11"	5' 1"	5' 9"	6' 7"	7' 1"
h1 - Height mast lowered *	in	6' 11"	7' 1"	7' 3"	7' 5"	7' 7"	8' 3"	9' 1"	9' 7"
h3 - Lifting Height	in	14' 1"	14' 9"	15' 5"	15' 9"	16' 5"	18' 1"	19' 8"	21' 4"
h4 - Height mast extended *	in	16' 7"	17' 5"	17' 11"	18' 3"	18' 11"	20' 6"	22' 4"	23' 10"
α / β - Mast inclination (front / rear)	°	6 / 6	6 / 6	6 / 6	6 / 6	6 / 6	3 / 6	3 / 6	3 / 6
Residual capacity at max height	lb	6503.64	6393.41	6172.94	6172.94	5511.56	4078.55	3086.47	2866.01
Residual capacity without attachment (Industrial load chart)	lb	6503.64	6393.41	6172.94	6172.94	5511.56	4078.55	3086.47	2866.01
Residual capacity with integrated side shift (Industrial load chart)	lb	6283.17	6172.94	5952.48	5952.48	5291.09	3858.09	2866.01	2755.78
Residual capacity with hooked-on side shift (Industrial load chart)	lb								2755.78
Height at max capacity	in	13' 1"	13' 1"	13' 1"	13' 1"	13' 1"	13' 1"	13' 1"	
Height at max capacity with integrated sideshift	in	13' 1"	13' 1"	13' 1"	13' 1"				
Height at max capacity Fork positioner + DL	in	13' 1"	13' 1"						



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