Technical sheet :

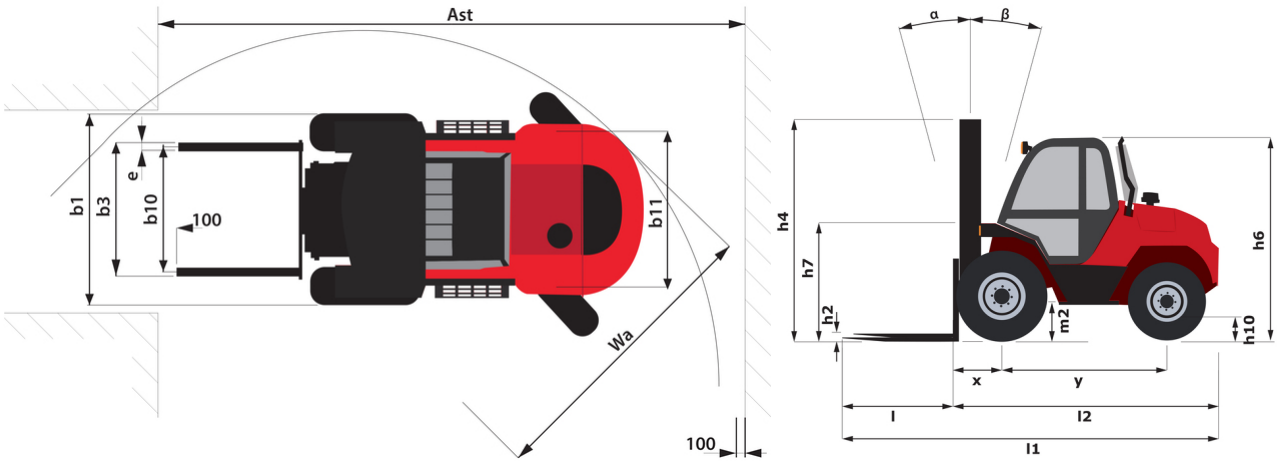
M 30-4



MANITOU
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	Technical characteristics		Imperial
1.1	Manufacturer		Manitou
1.2	Model Name		M 30-4
1.3	Power source		Diesel
1.4	Operator type		Sitting
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	29 in
1.9	Wheelbase	y	79 in
	Weight		
2.1	Service weight		13272 lb
2.2	Weight on front axle (laden) / rear axle (laden)		16568 lb / 3318 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		5214 lb / 8058 lb
	Wheels		
3.1	Tires type		Pneumatic
3.2	Dimensions of front wheels		400/70-20 150B T37
3.3	Dimensions of rear wheels		10,5/80-18 10PR A317TL
3.5	Number of front wheels / rear wheels		2 / 2
3.5.2	Number of drive wheels		4
3.6	Front wheel gauge	b10	60 in
3.7	Rear wheel gauge	b11	64 in
	Dimensions		
4.7	Height of overhead guard (cabin)	h6	98 in
4.8	Seat height/stand height	h7	58 in
4.19	Overall length	l1	185 in
4.20	Length to face of forks	l2	138 in
4.21	Overall width	b1	76 in
4.22	Forks section x width	s / e	2 in x 5 in
4.23	Fork carriage ISO 2328 (class/form) A/B		3A
4.24	Fork carriage width	b3	58 in
4.31	Ground clearance below mast	m1	18 in
4.32	Ground clearance at centre of wheelbase	m2	17 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	243 in
4.35	Turning radius	Wa	159 in
	Performances		
5.1	Travel speed (laden / unladen)		6 mph / 14 mph
5.2.1	Lifting speed (unladen)		0.98 ft/s
5.3.1	Lowering speed (unladen)		1 ft/s
5.5	Drawbar pull (Laden / Unladen)		6290 daN / 4250 daN
5.7	Gradeability (laden / unladen)		14 % / 21 %
5.10	Service brake		Hydraulic
	Engine		
7.2	Engine power according to ISO 1585		55 kW
7.1	Engine brand / model		Perkins / 854F-E34T
7.2	Engine power according to ISO 1585		55 kW
7.3	Rated speed		2200 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 207 in³
	Miscellaneous		
8.2	Working hydraulic pressure for attachments		2683 PSI
8.3	Oil flow rate for attachments		26 US gpm
8.4	Sound level at the driver's ear according to DIN 12 053		76 dB

M 30-4 - Dimensional drawing



Characteristics of masts and residual capacities

-		FVD 45
Mast/fork carriage tilt, forward	°	6
Mast/fork carriage tilt, backward	°	12
h1 - Mast lowered height	in	127
h2 - Mast free lift	in	12.2
h3 - Mast lifting height	in	177.2
h4 - Mast extended height	in	221.1
Height at max capacity	in	98.4

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 35	FVD 37	FVD 40	FVD 50	FVD 55
Mast/fork carriage tilt, forward	°	6	6	6	6	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12	12	12	12	12
h1 - Mast lowered height	in	93.5	99.4	103.3	109.6	117.1	136.8	146.7
h2 - Mast free lift	in	12.2	5.1	12.2	12.2	12.2	12.2	12.2
h4 - Mast extended height	in	162	173.8	181.7	189.6	201.4	240.7	260.4
Residual capacity at max height	lb	6614	6614	6614	6614	6614		
Residual capacity with integrated side shift at max heigth	lb	6614	6614	6614	6614	6614		
Height at max capacity	in	98.4	98.4	98.4	98.4	98.4	98.4	98.4

Free Lift Triplex (FLT)		FLT 40	FLT 43	FLT 47	FLT 50	FLT 55	FLT 60	FLT 65	FLT 70
Mast/fork carriage tilt, forward	°	6	6	6	6	6	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12	12	12	12	12	12
h1 - Mast lowered height	in	93.5	99.4	103.3	109.6	117.1	127	136.8	146.7
h2 - Mast free lift	in	54.4	60.4	0.10	70.6	78.1	87.9	97.8	107.6
h4 - Mast extended height	in	198.1	209.9	225.7	237.5	257.2	276.9	296.5	316.2
Residual capacity at max height	lb	6614	6614	6173	5732	4409	3968	2976	2205
Residual capacity with integrated side shift at max heigth	lb	6614							
Height at max capacity	in	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

Full Visibility Triplex (FVT)		FLT 37	FVT 55	FVT 67
Mast/fork carriage tilt, forward	°	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12
h1 - Mast lowered height	in	89.6	120.3	136
h2 - Mast free lift	in	50.5		
h4 - Mast extended height	in	186.3	264.8	312
Residual capacity at max height	lb	6614	2756	
Residual capacity with integrated side shift at max heigth	lb	6614		
Height at max capacity	in	98.4	98.4	98.4

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