Technical sheet :

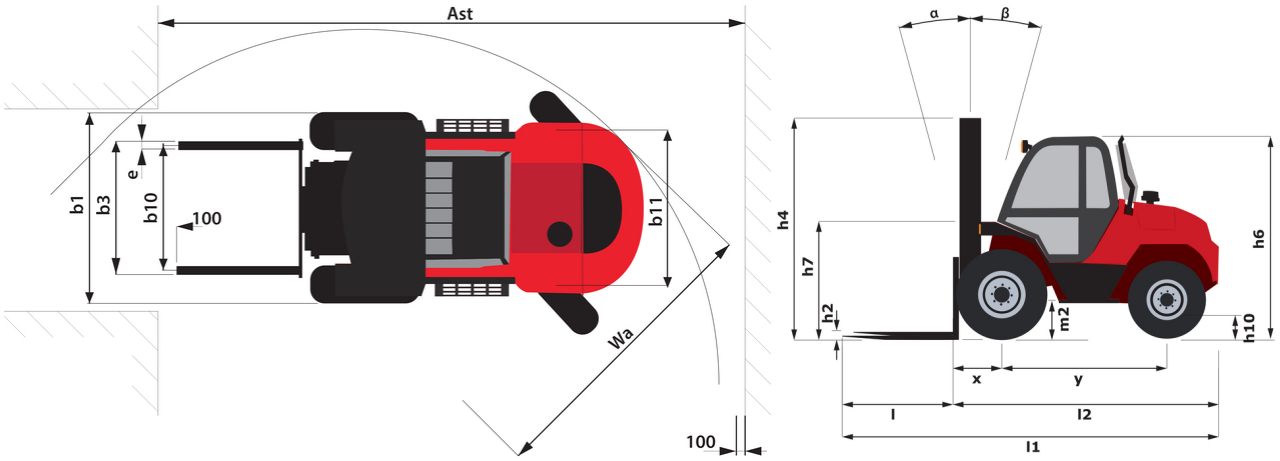
M-X 30-4



MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Metric	Imperial
1.1	Manufacturer		Manitou	Manitou
1.2	Model Name		M-X 30-4	M-X 30-4
1.3	Power source		Diesel	Diesel
1.4	Operator type		Sitting	Sitting
1.5	Max. capacity	Q	3000 kg	6614 lb
1.6	Load center of gravity	c	500 mm	20 in
1.8	Load distance, centre of drive axle to fork	x	810 mm	32 in
1.9	Wheelbase	y	2100 mm	83 in
	Weight			
2.1	Service weight		5320 kg	11729 lb
2.2	Weight on front axle (laden) / rear axle (laden)		6550 kg / 1370 kg	14440 lb / 3020 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		2370 kg / 2950 kg	5225 lb / 6504 lb
	Wheels			
3.1	Tires type		Pneumatic	Pneumatic
3.3	Dimensions of rear wheels		10,5/80-18 10PR TG42 TL	10,5/80-18 10PR TG42 TL
3.5	Number of front wheels / rear wheels		2 / 2	2 / 2
3.5.2	Number of drive wheels		4	4
3.6	Front wheel gauge	b10	1670 mm	66 in
	Dimensions			
4.7	Height of overhead guard (cabin)	h6	2540 mm	100 in
4.19	Overall length	l1	4835 mm	190 in
4.20	Length to face of forks	l2	3635 mm	143 in
4.21	Overall width	b1	2105 mm	83 in
4.23	Fork carriage ISO 2328 (class/form) A/B		3A	3A
4.24	Fork carriage width	b3	1470 mm	58 in
4.31	Ground clearance below mast	m1	495 mm	19 in
4.32	Ground clearance at centre of wheelbase	m2	395 mm	16 in
4.35	Turning radius	Wa	4070 mm	160 in
	Performances			
5.1	Travel speed (laden / unladen)		27 km/h / 27 km/h	17 mph / 17 mph
5.2	Lifting speed (laden / unladen)		0.50 m/s / 0.60 m/s	2 ft/s / 2 ft/s
5.3	Lowering speed (laden / unladen)		0.50 m/s / 0.50 m/s	2 ft/s / 2 ft/s
5.5	Drawbar pull (Laden / Unladen)		5685 daN / 3665 daN	5685 daN / 3665 daN
5.10	Service brake		Hydraulic	Hydraulic
	Engine			
7.1	Engine brand / model		Perkins / 1104D-44T NL38894	Perkins / 1104D-44T NL38894
7.3	Rated speed		2360 rpm	2360 rpm
	Miscellaneous			
8.1	Type of drive control		Hydraulic	Hydraulic

M-X 30-4 - Dimensional drawing



Characteristics of masts and residual capacities

-		FLT 55
Mast/fork carriage tilt, forward	°	6
Mast/fork carriage tilt, backward	°	12
h1 - Mast lowered height	in (mm)	0.10 (2.97)
h2 - Mast free lift	in (mm)	0.10 (1.98)
h4 - Mast extended height	in (mm)	257.2 (6532)
Height at max capacity	in (mm)	98.4 (2500)

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 35	FVD 37	FVD 40	FVD 45	FVD 50	FVD 55	FVD 60
Mast/fork carriage tilt, forward	°	6	6	6	6	6	6	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12	12	12	12	12	12	12
h1 - Mast lowered height	in (mm)	93.5 (2375)	99.4 (2525)	103.3 (2625)	109.6 (2785)	117.1 (2975)	127 (3225)	136.8 (3475)	146.7 (3725)	156.5 (3975)
h2 - Mast free lift	in (mm)	5.1 (130)	5.1 (130)	5.1 (130)	5.1 (130)	5.1 (130)	5.1 (130)	5.1 (130)	5.1 (130)	5.1 (130)
h4 - Mast extended height	in (mm)	162 (4115)	173.8 (4415)	181.7 (4615)	189.6 (4815)	201.4 (5115)	221.1 (5615)	240.7 (6115)	260.4 (6615)	280.1 (7115)
Residual capacity at max height	lb (kg)								3307 (1500)	
Height at max capacity	in (mm)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)

Free Lift Triplex (FLT)		FLT 37	FLT 40	FLT 43	FLT 47	FLT 50	FLT 60
Mast/fork carriage tilt, forward	°	6	6	6	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12	12	12	12
h1 - Mast lowered height	in (mm)	89.6 (2275)	93.5 (2375)	99.4 (2525)	103.3 (2625)	109.6 (2785)	127 (3225)
h2 - Mast free lift	in (mm)	50.5 (1283)	54.4 (1383)	60.4 (1533)	64.3 (1633)	70.6 (1793)	87.9 (2233)
h4 - Mast extended height	in (mm)	186.3 (4732)	198.1 (5032)	209.9 (5332)	225.7 (5732)	237.5 (6032)	276.9 (7032)
Residual capacity at max height	lb (kg)	6614 (3000)	6614 (3000)	5512 (2500)	4960 (2250)	3307 (1500)	
Residual capacity with integrated side shift at max heigth	lb (kg)			5512 (2500)	3858 (1750)	2756 (1250)	
Height at max capacity	in (mm)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)

Full Visibility Triplex (FVT)		FVT 55
Mast/fork carriage tilt, forward	°	6
Mast/fork carriage tilt, backward	°	12
h1 - Mast lowered height	in (mm)	120.3 (3055)
h4 - Mast extended height	in (mm)	264.8 (6725)
Residual capacity at max height	lb (kg)	4630 (2100)
Height at max capacity	in (mm)	98.4 (2500)

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