

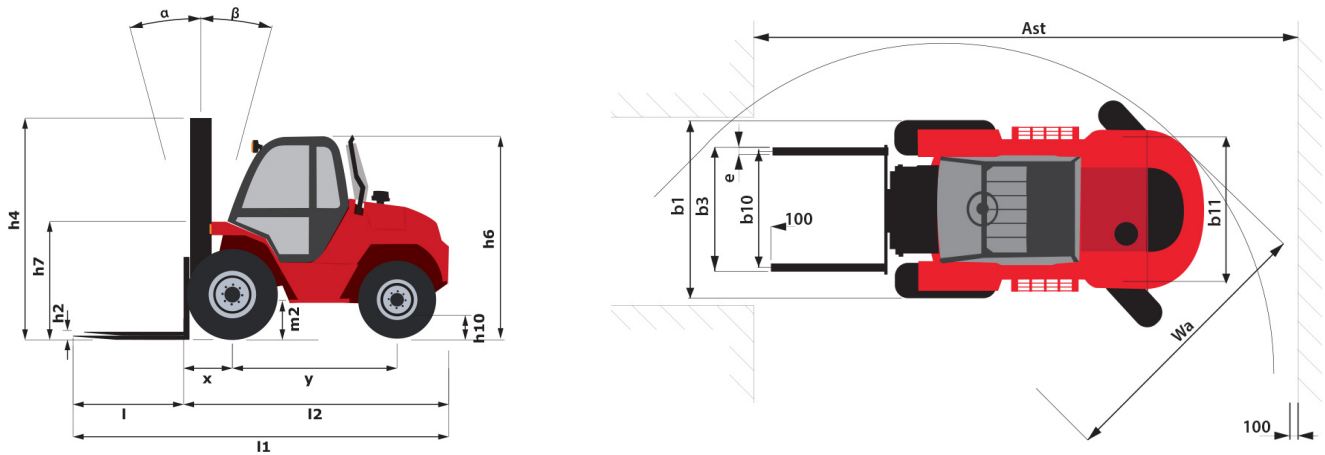
Technical sheet :

M 30-4



Technical characteristics			Imperial
1.1	Manufacturer		Manitou
1.2	Model Name		M 30-4
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	6613 lbs
1.6	Load centre of gravity	c	1 ft 8 in
1.8	Load distance, centre of drive axle to fork	x	2 ft 5 in
1.9	Wheelbase	y	6 ft 7 in
Weight			
2.1	Service weight		13271 lbs
2.2	Weight on front axle (laden) / rear axle (laden)		16567 lbs / 3317 lbs
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		5213 lbs / 8057 lbs
Wheels			
3.1	Tyres 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	5 ft
3.7	Rear wheel gauge	b11	5 ft 4 in
Dimensions			
4.1	Tilt of Mast Forward (deg) / Backward (deg)	α / β	6 / 12
4.7	Height of overhead guard (cabin)	h6	8 ft 2 in
4.8	Seat height/stand height	h7	4 ft 10 in
4.12	Height of towing bar (coupling height)	h10	2 ft 6 in
4.19	Overall length	l1	15423 ft 3 in
4.20	Length to face of forks	l2	11 ft 6 in
4.21	Overall width	b1	6 ft 4 in
4.21	Overall width - Single wheels	b1	6 ft 4 in
4.22	Forks section / width	s / e	2 in x 5 in
4.23	Fork carriage ISO 2328 (class/form) A/B		FEM3
4.24	Fork carriage width	b3	4 ft 10 in
4.31	Ground clearance below mast	m1	1 ft 6 in
4.32	Ground clearance at centre of wheelbase	m2	1 ft 5 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	20275 ft 7 in
4.35	Turning radius	Wa	13 ft 3 in
4.36	Internal turning radius (over tyres)	b13	3 ft 9 in
Performances			
5.1	Travel speed (laden / unladen)		6.2 mph / 13.6 mph
5.2.1	Lifting speed (unladen)		0.98 ft/s
5.3.1	Lowering speed (unladen)		1.31 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			
7.1	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 - 207.48 in ³
7.5	Fuel consumption according to VDI cycle		6.2 l/h
Miscellaneous			
8.2	Working hydraulic pressure for attachments		12 PSI
8.3	Oil flow rate for attachments		97 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 76 dB(A)

Dimensional drawing



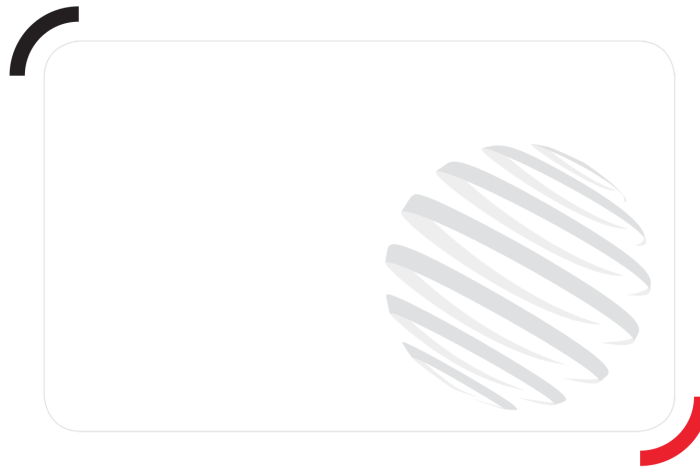
Characteristics of masts and residual capacities

		FVD 45
h1 - Height mast lowered *	in	10' 7"
h2 - Free lift	in	1'
h3 - Lifting Height	in	14' 9"
h4 - Height mast extended *	in	18' 5"
α / β - Mast inclination (front / rear)	°	6 / 12

Full Visibility Duplex		FVD 30	FVD 33	FVD 35	FVD 37	FVD 40	FVD 50	FVD 55
h1 - Height mast lowered *	in	7' 10"	8' 3"	8' 7"	9' 2"	9' 9"	11' 5"	12' 3"
h2 - Free lift	in	1'	5"	1'	1'	1'	1'	1'
h3 - Lifting Height	in	9' 10"	10' 10"	11' 6"	12' 2"	13' 1"	16' 5"	18' 1"
h4 - Height mast extended *	in	13' 6"	14' 6"	15' 2"	15' 10"	16' 9"	20' 1"	21' 8"
α / β - Mast inclination (front / rear)	°	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12
Residual capacity at max height	lbs	6614	6614	6614	6614	6614		
Residual capacity without attachment (Industrial load chart)	lbs	6614	6614	6614	6614	6614		
Residual capacity with integrated side shift (Industrial load chart)	lbs	6614	6614	6614	6614	6614		

Free Lift Triplex		FLT 40	FLT 43	FLT 47	FLT 50	FLT 55	FLT 60	FLT 65	FLT 70
h1 - Height mast lowered *	in	7' 10"	8' 3"	8' 7"	9' 2"	9' 9"	10' 7"	11' 5"	12' 3"
h2 - Free lift	in	4' 6"	5'	0.064"	5' 11"	6' 6"	7' 4"	8' 2"	9'
h3 - Lifting Height	in	13' 1"	14' 1"	15' 5"	16' 5"	18' 1"	19' 8"	21' 4"	23'
h4 - Height mast extended *	in	16' 6"	17' 6"	18' 10"	19' 9"	21' 5"	23' 1"	24' 9"	26' 4"
α / β - Mast inclination (front / rear)	°	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12
Residual capacity at max height	lbs	6614	6614	6173	5732	4409	3968	2976	2205
Residual capacity without attachment (Industrial load chart)	lbs	6614	6614	6173	5732	4409	3968	2976	2205
Residual capacity with integrated side shift (Industrial load chart)	lbs	6614							

Full Visibility Triplex		FLT 37	FVT 55	FVT 67
h1 - Height mast lowered *	in	7' 6"	10'	11' 4"
h2 - Free lift	in	4' 3"	0.000"	0.000"
h3 - Lifting Height	in	12' 2"	18' 1"	22'
h4 - Height mast extended *	in	15' 6"	22' 1"	26'
α / β - Mast inclination (front / rear)	°	6 / 12	6 / 12	6 / 12
Residual capacity at max height	lbs	6614	2756	
Residual capacity without attachment (Industrial load chart)	lbs	6614	2756	
Residual capacity with integrated side shift (Industrial load chart)	lbs	6614		



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