

Technical sheet :

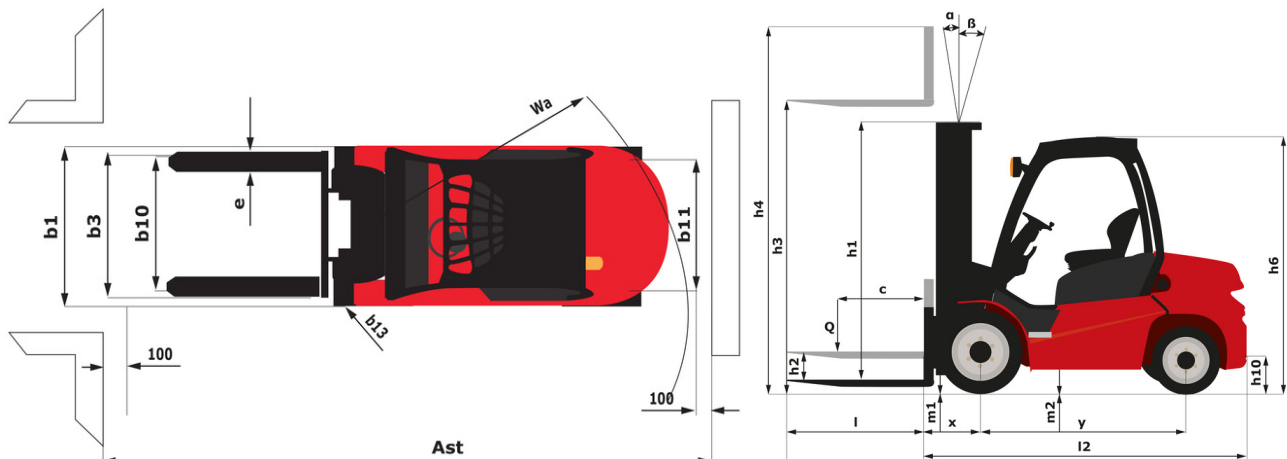
MI 60 D



 **MANITOU**
HANDLING YOUR WORLD

	Technical characteristics		Imperial
1.1	Manufacturer		Manitou
1.2	Model Name		MI 60 D
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	13228 lb
1.6	Load center of gravity	c	24 in
1.8	Load distance, centre of drive axle to fork	x	24 in
1.9	Wheelbase	y	91 in
	Weight		
2.1	Service weight		20305 lb
2.2	Weight on front axle (laden) / rear axle (laden)		29410 lb / 4123 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		9105 lb / 11199 lb
	Wheels		
3.1	Tires type		Pneumatic
3.2	Dimensions of front wheels		8.25-15-14PR
3.3	Dimensions of rear wheels		8.25-15-14PR
3.5	Number of front wheels / rear wheels		4 / 2
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	59 in
3.7	Rear wheel gauge	b11	67 in
	Dimensions		
4.7	Height of overhead guard (cabin)	h6	96 in
4.8	Seat height/stand height	h7	53 in
4.12	Height of towing bar (coupling height)	h10	28 in
4.19	Overall length	l1	186 in
4.20	Length to face of forks	l2	138 in
4.21	Overall width	b1	78 in
4.21	Overall width - Twinned wheels	b1	78 in
4.22	Forks section / width / length	s / e / l	2 in x 6 in x 48 in
4.23	Fork carriage ISO 2328 (class/form) A/B		4A
4.24	Fork carriage width	b3	67 in
4.31	Ground clearance below mast	m1	7 in
4.32	Ground clearance at centre of wheelbase	m2	11 in
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	205 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	209 in
4.35	Turning radius	Wa	130 in
4.36	Internal turning radius (over tyres)	b13	48 in
	Performances		
5.1	Travel speed (laden / unladen)		11 mph-15 mph
5.2	Lifting speed (laden / unladen)		1 ft/s-2 ft/s
5.3	Lowering speed (laden / unladen)		2 ft/s-1 ft/s
5.5	Drawbar pull (Laden / Unladen)		6280 daN / 3600 daN
5.7	Gradeability (laden)		39 %
5.10	Service brake		Hydraulic
	Engine		
7.1	Engine brand / model		Deutz / TCD 3.6L 4
7.2	Engine power according to ISO 1585		55.40 kW
7.3	Rated speed		2200 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 220 in³
	Miscellaneous		
8.2	Working hydraulic pressure for attachments		2828 PSI
8.3	Oil flow rate for attachments		15 US gpm
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 84 dB
8.4	Sound level at the driver's ear according to DIN 12 053		84 dB

MI 60 D - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 36	FVD 40	FVD 45	FVD 50
Mast/fork carriage tilt, forward	°	6	6	6	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12	12	6	6
h1 - Mast lowered height	in	98.4	104.3	110.2	118.1	129.9	139.8
h2 - Mast free lift	in	6.3	6.3	6.3	6.3	6.3	6.3
h3 - Mast lifting height	in	118.1	129.9	141.7	157.5	177.2	196.9
h4 - Mast extended height	in	157.3	169.1	180.9	196.7	216.5	236.2
Residual capacity at max height	lb	13228	13228	13228	13228	13228	13228
Residual capacity with hooked-on side shift at max height	lb	12125	12125	12125	12125	12125	12125
Height at max capacity	in	118.1	129.9	141.7	157.5	177.2	196.9
Height at max capacity with hooked-on sideshift	in	118.1	129.9	141.7	157.5	177.2	196.9

Free Lift Duplex (FLD)		FLD 30	FLD 33	FLD 36	FLD 40
Mast/fork carriage tilt, forward	°	6	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12	12
h1 - Mast lowered height	in	96.5	102.4	108.3	116.1
h2 - Mast free lift	in	58.9	64.8	70.7	78.5
h3 - Mast lifting height	in	118.1	129.9	141.7	157.5
h4 - Mast extended height	in	155.7	167.5	179.3	195.1
Residual capacity at max height	lb	13228	13228	13228	13228
Residual capacity with hooked-on side shift at max height	lb	12125	12125	12125	12125
Height at max capacity	in	118.1	129.9	141.7	157.5
Height at max capacity with hooked-on sideshift	in	118.1	129.9	141.7	157.5

Free Lift Triplex (FLT)		FLT 45	FLT 48	FLT 50	FLT 55	FLT 60
Mast/fork carriage tilt, forward	°	6	6	6	3	3
Mast/fork carriage tilt, backward	°	6	6	6	6	6
h1 - Mast lowered height	in	107.3	111.2	113.2	121.1	127
h2 - Mast free lift	in	59.1	63	65.8	70.9	78.7
h3 - Mast lifting height	in	177.2	189	196.9	216.5	236.2
h4 - Mast extended height	in	225.8	237.6	244.6	267.1	284.8
Residual capacity at max height	lb	12125	12125	12125	11464	11023
Residual capacity with hooked-on side shift at max height	lb	11023	11023	11023	10362	9921
Height at max capacity	in	177.2	189	196.9	216.5	236.2
Height at max capacity with hooked-on sideshift	in	177.2	189	196.9	216.5	236.2



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