Technical sheet :

M 50-2 D ST5



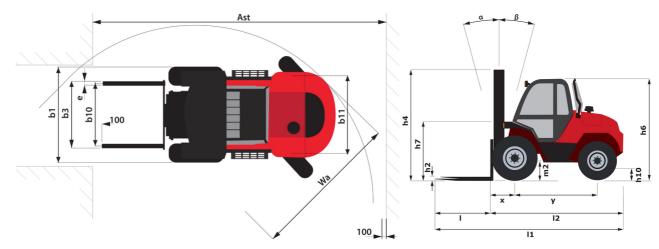


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8.3 Oil flow rate for attachments	0.6		
8.4 Sound level at the driver's ear according to DIN 12 053			
	8.4	Sound level at the driver's ear according to DIN 12 053	

M50-2DST5 Created on July 31, 2025 at 4:30 AM UTC

Imperial
MANITOU
M 50-2 D ST5
Diesel
Seated
11023 lb
24 in
30 in
81 in
81111
FVD 37
18243 lb
25607 lb / 3660 lb
7242 lb / 11001 lb
7242 10 / 11001 10
Pneumatic
18-19,5 18PR A224
10R17,5 G291 GY
2/2
2
63 in
65 in
00 11
96 in / 96 in
55 in
195 in
148 in
81 in
2 in x 6 in / 47 in
4A
66 in
10 in
15 in
222 in
222 in
136 in
14 mph / 14 mph
1 ft/s / 1 ft/s
2 ft/s / 1 ft/s
6900 daN
51 %
Hydraulic
Torque converter
Deutz / TCD 2,9 / Stage V
55 kW
2300 rpm
4 - 178 in³
3336 PSI
26 US gpm
78 dB

M 50-2 D ST5 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 33	FVD 35	FVD 37	FVD 40	FVD 45	FVD 50
α - Mast/fork carriage tilt, forward °		15	15	15	15	15	10
β - Mast/fork carriage tilt, backward	٥	15	15	15	15	15	15
h1 - Mast lowered height	in	103.3	107.3	111.2	117.1	127	136.8
h3 - Mast lifting height	in	129.9	145.7	145.7	157.5	177.2	196.9
Residual capacity at max height	lb	11023	11023	11023	11023	10472	7716
Residual capacity with hooked-on side shift at max heigth	lb	10362	10362	10362	10362	9700	
Height at max capacity	in	129.9	137.8	145.7	157.5	157.5	157.5
Height at max capacity with hooked-on sideshift	in	129.9	137.8	145.7	157.5	157.5	

Free Lift Triplex (FLT)		FLT 43	FLT 45	FLT 47	FLT 50	FLT 55	FLT 60
α - Mast/fork carriage tilt, forward °		15	15	15	10	10	10
β - Mast/fork carriage tilt, backward	٥	15	15	15	15	15	15
h1 - Mast lowered height	in	95.5	98.4	100.8	105.3	111.2	118.1
h2 - Mast free lift	in	57.3	60.2	62.6	67.1	73	79.9
h3 - Mast lifting height	in	169.3	177.2	185	196.9	216.5	236.2
Residual capacity at max height	lb		9921	7716	4409	4409	
Residual capacity with hooked-on side shift at max heigth	lb	9700			6614	3527	551
Height at max capacity	in	98.4	157.5	157.5	145.7	216.5	98.4
Height at max capacity with hooked-on sideshift	in	137.8			145.7	145.7	126



Head Office B.P. 249 - 430 rue de l'Aubinière 44150 Ancenis Cedex - France Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97 www.manitou.com



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