Technical sheet:

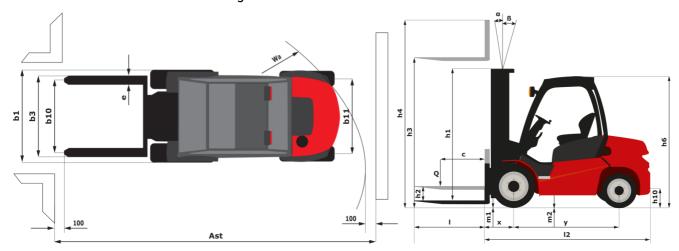
MSI 35 3B - FT4





		MSI 35 3B - FT4 Creat	ed on April 25, 2024 at 8.20.31 PM t
	Technical characteristics		Imperial
1.1	Manufacturer		Manitou
1.2	Model Name		MSI 35 3B - FT4
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	7716 lb
1.6	Load center of gravity	c	20 in
1.8	Load distance, centre of drive axle to fork	X	25 in
1.9	Wheelbase	y	71 in
	Weight		
2.1	Service weight		10681 lb
2.2	Weight on front axle (laden) / rear axle (laden)		16380 lb / 2017 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		3814 lb / 6867 lb
2.0	Wheels		0014187 000718
3.1	Tires type		Pneumatic
3.2	Dimensions of front wheels		275/70 R22,5
3.3	Dimensions of front wheels		7.00x12 14PR
			7.00x12 14PR 2 / 2
3.5	Number of front wheels / rear wheels		2
3.5.2	Number of drive wheels	110	
3.6	Front wheel gauge	b10	41 in
3.7	Rear wheel gauge	b11	43 in
10	Dimensions		
4.8	Seat height/stand height	h7	40 in
4.12	Height of towing bar (coupling height)	h10	12 in
4.19	Overall length	l1	163 in
4.20	Length to face of forks	12	119 in
4.21	Overall width	b1	52 in
4.22	Forks section / width / length	s / e / l	2 in x 5 in x 43 in
4.23	Fork carriage ISO 2328 (class/form) A/B		3A
4.24	Fork carriage width	b3	50 in
4.31	Ground clearance below mast	m1	11 in
4.32	Ground clearance at centre of wheelbase	m2	10 in
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	181 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	185 in
4.35	Turning radius	Wa	104 in
4.36	Internal turning radius (over tyres)	b13	6 in
	Performances		
5.1	Travel speed (laden / unladen)		12 mph-12 mph
5.2	Lifting speed (laden / unladen)		1 ft/s-2 ft/s
5.3	Lowering speed (laden / unladen)		1 ft/s-0.98 ft/s
5.5	Drawbar pull (Laden / Unladen)		2640 daN / 1560 daN
5.7	Gradeability (laden / unladen)		29 % / 29 %
5.10	Service brake		Hydraulic
	Engine		
7.1	Engine brand / model		Kubota / V2403 CR TE4
7.2	Engine power according to ISO 1585		48.60 kW
7.3	Rated speed		2700 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 149 in³
	Miscellaneous		
8.1	Type of drive control		Hydraulic
8.2	Working hydraulic pressure for attachments		2756 PSI
8.3	Oil flow rate for attachments		12 US gpm
0.3	On now late for attachments		12 US YPIII

MSI 35 3B - FT4 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 35	FVD 37	FVD 40	FVD 45	FVD 50
Mast/fork carriage tilt, forward	۰	10	10	10	10	10	10	10
Mast/fork carriage tilt, backward	٠	12	12	12	12	12	12	12
h1 - Mast lowered height	in	84.6	90.6	94.5	100.8	108.3	118.1	128
h2 - Mast free lift	in	0	0	0	0	0	0	0
h3 - Mast lifting height	in	118.1	129.9	137.8	145.7	157.5	177.2	196.9
h4 - Mast extended height	in	153.3	165.1	173	180.8	192.6	212.4	230.8
Residual capacity at max height	lb	7716	7716	7716	7716	7496	6393	5952
Height at max capacity	in	98.4	98.4	98.4	98.4	98.4	98.4	98.4

Free Lift Triplex (FLT)		FLT 37	FLT 40	FLT 43	FLT 47	FLT 50	FLT 55	FLT 60	FLT 65	FVD 55	FVD 60	TLL 70
Mast/fork carriage tilt, forward	۰	10	10	10	10	10	10	10	10	10	10	10
Mast/fork carriage tilt, backward	۰	12	12	12	12	12	12	12	12	12	12	12
h1 - Mast lowered height	in	80.7	84.6	90.6	94.5	100.8	108.3	118.1	128	137.8	149.2	137.8
h2 - Mast free lift	in	77.6	55	60.9	64.8	71.1	78.6	88.5	98.3	0	0	108.1
h3 - Mast lifting height	in	145.7	157.5	169.3	185	196.9	216.5	236.2	255.9	216.5	236.2	275.6
h4 - Mast extended height	in	177.2	189	200.8	216.5	228.3	248	267.7	287.4	251.7	271.4	307.1
Residual capacity at max height	lb	7496	7496	6614	5732	5952	4850	3968	2646			
Height at max capacity	in	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4





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