Technical sheet :

MSI 30 3B - FT4

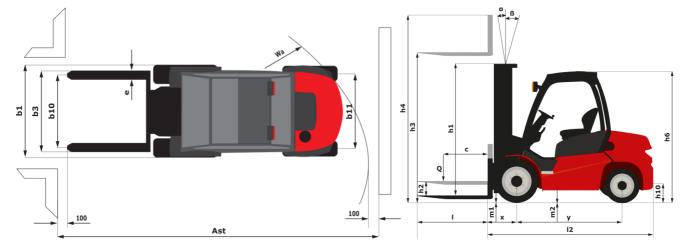




Manitou MSI 30 3B - FT4 Diesel Seated 6614 lb 20 in 25 in 71 in 10373 lb 14947 lb / 2039 lb 4189 lb / 6184 lb Pneumatic 275/70 R22,5 7.00x12 14PR 2/2 2 41 in 43 in 40 in 12 in 161 in 117 in 52 in 180 in 2 in x 4 in x 43 in 3A 50 in 11 in 10 in 183 in 183 in 104 in 6 in 12 mph-12 mph 1 ft/s-2 ft/s 2 ft/s-1 ft/s 2460 daN / 1260 daN 24 % / 29 % Hydraulic Kubota / V2403 CR TE4 48.60 kW 2700 rpm 4 - 149 in³ Hydraulic 2683 PSI 12 US gpm

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	Technical characteristics		
1.1	Manufacturer		
1.2	Model Name		
1.3	Power source		
1.4	Operator type		
1.5	Max. capacity	Q	
1.6	Load center of gravity	С	
1.8	Load distance, centre of drive axle to fork	x	
1.9	Wheelbase	у	
	Weight		
2.1	Service weight		
2.2	Weight on front axle (laden) / rear axle (laden)		
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		
	Wheels		
3.1	Tires type		
3.2	Dimensions of front wheels		
3.3	Dimensions of rear wheels		
3.5	Number of front wheels / rear wheels		
3.5.2	Number of drive wheels		
3.6	Front wheel gauge	b10	
3.7	Rear wheel gauge	b10	
3.7	Dimensions	bTI	
4.8		h7	
4.12	Seat height/stand height Height of towing bar (coupling height)	h10	
4.12	Overall length	11	
4.19	Length to face of forks	12	
4.20	Overall width	b1	
4.21		b1	
4.21	Overall width - Single wheels Forks section / width / length		
4.22	-	s / e / l	
	Fork carriage ISO 2328 (class/form) A/B	F 3	
4.24	Fork carriage width	b3	
4.31	Ground clearance below mast	m1	
4.32	Ground clearance at centre of wheelbase	m2	
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	
4.35	Tuming radius	Wa	
4.36	Internal turning radius (over tyres)	b13	
5.4	Performances		
5.1	Travel speed (laden / unladen)		
5.2	Lifting speed (laden / unladen)		
5.3	Lowering speed (laden / unladen)		
5.5	Drawbar pull (Laden / Unladen)		
5.7	Gradeability (laden / unladen)		
5.10	Service brake		
	Engine		
7.1	Engine brand / model		
7.2	Engine power according to ISO 1585		
7.3	Rated speed		
7.4	Number of cylinders / Capacity of cylinders		_
	Miscellaneous		
8.1	Type of drive control		
8.2	Working hydraulic pressure for attachments		
8.3	Oil flow rate for attachments		





Characteristics of masts and residual capacities

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	۰	10	10	10	10	10	10	10	10	10
Mast/fork carriage tilt, backward	۰	12	12	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	137.8	149.2
h2 - Mast free lift	in	0	0	0	0	0	0	0	0	0
h4 - Mast extended height	in	153.3	165.1	173	180.8	192.6	212.4	230.8	251.7	271.4
Residual capacity at max height	lb	6614	6614	6614	6614	6614	5732	5291	4189	3307
Height at max capacity	in	98.4	98.4	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	TLL 70
Mast/fork carriage tilt, forward	۰	10	10	10	10	10	10	10	10	10
Mast/fork carriage tilt, backward	۰	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
h2 - Mast free lift	in	51.1	55	60.9	64.8	71.1	78.6	88.5	98.3	108.1
h3 - Mast lifting height	in	145.7	157.5	169.3	185	196.9	216.5	236.2	255.9	275.6
h4 - Mast extended height	in	177.2	189	200.8	216.5	228.3	248	267.7	287.4	307.1
Residual capacity at max height	lb	6614	6614	6173	5732	5291	4189	3307		
Height at max capacity	in	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4



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