

Technical sheet :

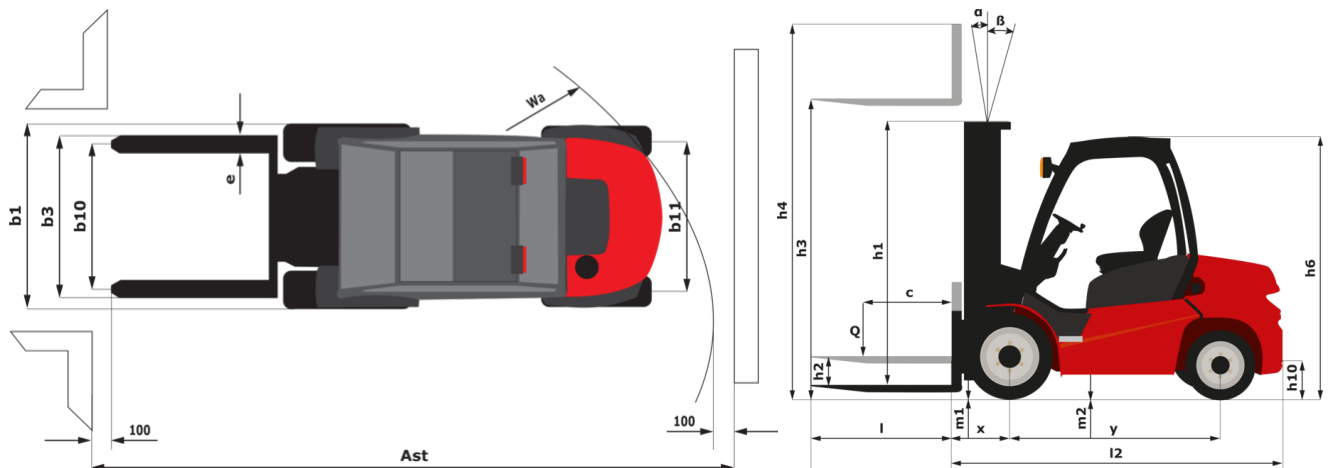
MSI 35 3B - FT4



 **MANITOU**
HANDLING YOUR WORLD

	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
	Wheels		
3.1	Tires type		Pneumatic
3.2	Dimensions of front wheels		275/70 R22,5
3.3	Dimensions of rear wheels		7.00x12 14PR
3.5	Number of front wheels / rear wheels		2 / 2
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	41 in
3.7	Rear wheel gauge	b11	43 in
	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	l2	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

MSI 35 3B - FT4 - Dimensional drawing



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