Technical sheet:

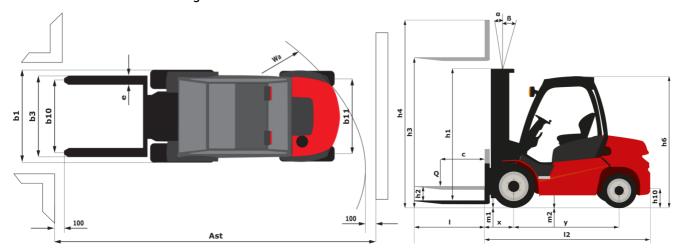
MSI-X 35





Technical characteristics Manufacturer Model Name Power source		Metric Manitou	
Model Name		Manitou	
Power course		MSI-X_35	
rowei souice		Diesel	
Operator type		Seated	
Max. capacity	Q	3500 kg	
Load center of gravity	C	500 mm	
Load distance, centre of drive axle to fork	X	631 mm	
Wheelbase	٧	1900 mm	
Weight	, i		
Service weight		4645 kg	
Weight on front axle (laden) / rear axle (laden)		7260 kg / 885 kg	
Weight on front axle (Unladen) / rear axle (Unladen)		1680 kg / 2965 kg	
Wheels		is a second of the second	
Tires type		Pneumatic	
Dimensions of front wheels		300-15/18 6T P43	
Dimensions of rear wheels		7.00-12/12 ED PLUS	
Number of front wheels / rear wheels		2/2	
Number of drive wheels		2	
Front wheel gauge	b10	1044 mm	
Rear wheel gauge	b10	1108 mm	
	DII	1108 mm	
Dimensions Height of overhead guard (cabin)	h.c	2095 mm	
	h6	972 mm	
Seat height/stand height	h7		
Overall length	l1 l2	4239 mm	
Length to face of forks		3189 mm	
Overall width	b1	1330 mm	
Forks section / width / length	s/e/l	50 mm x 122 mm x 1150 mm	
Fork carriage ISO 2328 (class/form) A/B	1.0	3A	
Fork carriage width	b3	1260 mm	
Ground clearance below mast	m1	260 mm	
Ground clearance at centre of wheelbase	m2	238 mm	
Aisle Width for pallets 1000 x 1200 crossways	Ast	4661 mm	
Tuming radius	Wa	2680 m	
Performances			
Travel speed (laden / unladen)		18 km/h-22 km/h	
Lifting speed (laden / unladen)		0.50 m/s-0.50 m/s	
Lowering speed (laden / unladen)		0.50 m/s-0.30 m/s	
Drawbar pull (Laden / Unladen)		2070 daN / 1380 daN	
Gradeability (laden / unladen)		26 % / 31 %	
Service brake		Hydraulic brakes by loss of pressure	
Engine			
Engine brand / model		Kubota / V2403	
Engine power according to ISO 1585		36 kW	
Rated speed		2700 rpm	
Number of cylinders / Capacity of cylinders		4 - 2434 cm³	
Miscellaneous			
Type of drive control		Cable	
Working hydraulic pressure for attachments		180 bar	
Oil flow rate for attachments		45 I/min	
Measured/guaranteed mean noise level at the ear of the operator		< 80 dB	
Sound level at the driver's ear according to DIN 12 053		80 dB	

MSI-X 35 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 37	FVD 40	FVD 45
Mast/fork carriage tilt, forward	٠	10	10	3500	10	10
Mast/fork carriage tilt, backward	٠	12	12	3500	12	12
h1 - Mast lowered height	mm	2136	2286	2546	2736	2986
h2 - Mast free lift	mm	90	90	90	90	90
h3 - Mast lifting height	mm	3000	3300	3700	4000	4500
h4 - Mast extended height	mm	3738	4038	4438	4738	5238
Residual capacity at max height	kg	3500	3500			
Height at max capacity	mm	3000	3700	3700	2500	2500

Free Lift Triplex (FLT)		FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55	FLT 60
Mast/fork carriage tilt, forward	۰	10	10	10	10	10	6	6
Mast/fork carriage tilt, backward	۰	12	12	12	12	12	6	6
h1 - Mast lowered height	mm	1936	2036	2136	2286	2386	2736	2986
h2 - Mast free lift	mm	1208	1308	1408	1558	1658	2008	2258
h3 - Mast lifting height	mm	3400	3700	4000	4300	4700	5500	6000
h4 - Mast extended height	mm	4184	4484	4784	5084	5484	6284	6784
Residual capacity at max height	kg	3500						
Height at max capacity	mm	3400	2500	2500	2500	2500	2500	2500

Full Visibility Triplex (FVT)		FVT 33
Mast/fork carriage tilt, forward	۰	10
Mast/fork carriage tilt, backward	۰	12
h1 - Mast lowered height	mm	1826
h2 - Mast free lift	mm	82
h3 - Mast lifting height	mm	3300
h4 - Mast extended height	mm	4027
Height at max capacity	mm	2500





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