Technical sheet:

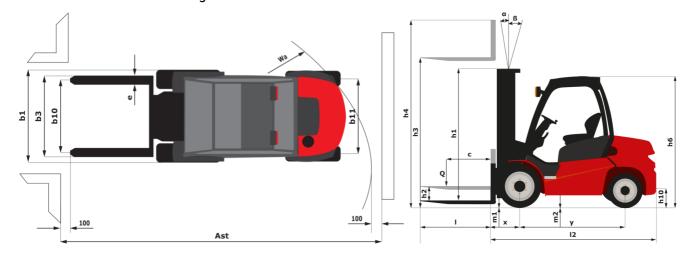
MSI-X 25





Technical characteristics		Metric	
.1 Manufacturer		Manitou	
.2 Model Name		MSI-X 25	
1.3 Power source		Diesel	
1.4 Operator type		Seated	
1.5 Max. capacity	Q	2500 kg	
Load center of gravity	c	500 mm	
1.8 Load distance, centre of drive axle to fork	X	621 mm	
1.9 Wheelbase	У	1900 mm	
Weight			
2.1 Service weight		3875 kg	
2.2 Weight on front axle (laden) / rear axle (laden)		5510 kg / 865 kg	
2.3 Weight on front axle (Unladen) / rear axle (Unladen)		1533 kg / 2342 kg	
Wheels		1000 Ng / 20 12 Ng	
3.1 Tires type		Inflatable	
3.2 Dimensions of front wheels		300-15/18 6T R43	
3.3 Dimensions of rear wheels		7.00-12/12 ED PLUS	
3.5 Number of front wheels / rear wheels		2 / 2	
5.2 Number of drive wheels		2	
3.6 Front wheel gauge	b10	1044 mm	
3 3	b10	1108 mm	
3 3	DII	1108 111111	
Dimensions 4.7 Height of overhead quard (cabin)	h6	2095 mm	
3 , ,	h7		
y y	117	972 mm 4193 mm	
3	12		
.20 Length to face of forks		3043 mm	
.21 Overall width	b1	1330 mm	
.22 Forks section / width / length	s / e / l	40 mm x 122 mm x 1150 mm	
.23 Fork carriage ISO 2328 (class/form) A/B	h o	2A	
.24 Fork carriage width	b3	1260 mm	
.31 Ground clearance below mast	m1	260 mm	
.32 Ground clearance at centre of wheelbase	m2	238 mm	
Aisle Width for pallets 1000 x 1200 crossways	Ast	4591 mm	
.35 Turning radius	Wa	2620 mm	
Performances			
5.1 Travel speed (laden / unladen)		18 km/h-22 km/h	
5.2 Lifting speed (laden / unladen)		0.50 m/s-0.50 m/s	
Lowering speed (laden / unladen)		0.50 m/s-0.30 m/s	
5.5 Drawbar pull (Laden / Unladen)		2010 daN / 1250 daN	
5.7 Gradeability (laden / unladen)		33 % / 34 %	
.10 Service brake		Hydraulic brakes by loss of pressure	
Engine			
7.1 Engine brand / model / norm		Kubota / V2403 / Stage IIIA	
7.2 I.C. Engine power rating		36 kW	
7.3 Rated speed		2700 rpm	
7.4 Number of cylinders / Capacity of cylinders		4 - 2434 cm³	
Miscellaneous			
Type of drive control		Cable	
3.2 Working hydraulic pressure for attachments		180 bar	
0:1 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 25 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 37	FVD 40	FVD 45
α - Mast/fork carriage tilt, forward	۰	10	10	10	10	10
β - Mast/fork carriage tilt, backward	۰	12	12	12	12	12
h1 - Mast lowered height	mm	2136	2286	2546	2736	2986
h2 - Mast free lift	mm	85	85	85	85	85
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	2500	2500			
Height at max capacity	mm	3000	3300	2500	2500	2500

Free Lift Triplex (FLT)		FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55	FLT 60
α - Mast/fork carriage tilt, forward	۰	10	10	10	10	10	6	6
β - 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	1183	1283	1383	1483	1633	1893	2083
h3 - Mast lifting height	mm	3400	3700	4000	4300	4700	5500	6000
h4 - Mast extended height	mm	4184	4484	4784	5116	5484	6356	6916
Residual capacity at max height	kg	2500	2500	2500	2500	2500		
Height at max capacity	mm	3400	3700	4000	4300	4700	2500	2500

Full Visibility Triplex (FVT)		FVT 33
α - Mast/fork carriage tilt, forward	۰	10
β - Mast/fork carriage tilt, backward	۰	12
h1 - Mast lowered height	mm	1826
h2 - Mast free lift	mm	72
h3 - Mast lifting height	mm	3300
h4 - Mast extended height	mm	4027
Height at max capacity	mm	2500





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