Technical sheet:

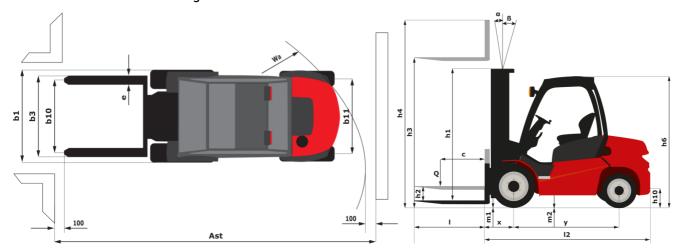
MSI-X 30





Technical characteristics 1.1 Manufacturer 1.2 Model Name 1.3 Power source 1.4 Operator type 1.5 Max. capacity Q 1.6 Lead active of smith:	Metric Manitou MSI-X 30 Diesel
1.2 Model Name 1.3 Power source 1.4 Operator type 1.5 Max. capacity Q	MSI-X 30
1.3 Power source 1.4 Operator type 1.5 Max. capacity Q	
1.4 Operator type 1.5 Max. capacity Q	Diesel
1.5 Max. capacity Q	
	Seated
	3000 kg
1.6 Load center of gravity c	500 mm
1.8 Load distance, centre of drive axle to fork x	626 mm
1.9 Wheelbase y	1900 mm
Weight	
2.1 Service weight	4355 kg
2.2 Weight on front axle (laden) / rear axle (laden)	6435 kg / 920 kg
2.3 Weight on front axle (unladen) / rear axle (Unladen)	1660 kg / 2695 kg
Wheels	1000 kg / 2000 kg
3.1 Tires type	Inflatable
3.2 Dimensions of front wheels	300-15/18 6T P43
3.3 Dimensions of rear wheels	7.00-12/12 ED PLUS
3.5 Number of front wheels / rear wheels	2/2
3.5.2 Number of drive wheels	2
3.6 Front wheel gauge b10	1044 mm
3.7 Rear wheel gauge b11	1108 mm
Dimensions Dimensions	1100 11111
4.7 Height of overhead quard (cabin) h6	2095 mm
4.8 Seat height/stand height h7	972 mm
4.5 Seat neight 117 4.19 Overall length 11	4234 mm
ş	
	3084 mm
4.21 Overall width b1	1330 mm
,	15 mm x 122 mm x 1150 mm
4.23 Fork carriage ISO 2328 (class/form) A/B	3A
4.24 Fork carriage width b3	1260 mm
4.31 Ground clearance below mast m1	260 mm
4.32 Ground clearance at centre of wheelbase m2	238 mm
4.33 Aisle Width for pallets 1000 x 1200 crossways Ast	4626 mm
4.35 Tuming radius Wa	2650 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
5.3 Lowering speed (laden / unladen)	0.50 m/s-0.30 m/s
5.5 Drawbar pull (Laden / Unladen)	2140 daN / 1340 daN
5.7 Gradeability (laden / unladen)	30 % / 32 %
	aulic brakes by loss of pressure
Engine	
	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	
8.1 Type of drive control	Cable
	180 bar
8.2 Working hydraulic pressure for attachments	
8.2 Working hydraulic pressure for attachments 8.3 Oil flow rate for attachments	45 I/min
	45 l/min < 80 dB 80 dB

MSI-X 30 - 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	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	3000	3000			
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	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	3000						
Height at max capacity	mm	3400	2500	2500	2500	2500	2500	2500

Full Visibility Triplex (FVT)		FVT 33
h1 - Mast lowered height	mm	1826
h2 - Mast free lift	mm	77
h3 - Mast lifting height	mm	3300
h4 - Mast extended height	mm	4027
Height at max capacity	mm	2500





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