Technical sheet :



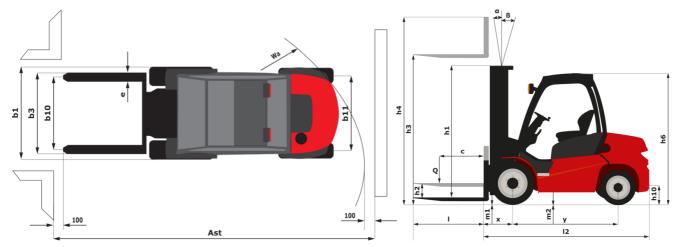




	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	С
1.8	Load distance, centre of drive axle to fork	x
1.9	Wheelbase	у
	Weight	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.3	Weight 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	
3.5.2		b10
3.0	Front wheel gauge	b10
3./	Rear wheel gauge	
47	Dimensions	
4.7	Height of overhead guard (cabin)	h6
4.8	Seat height/stand height	h7
4.19	Overall length	1
4.20	Length to face of forks	12
4.21	Overall width	b1
4.22	Forks section / width / length	s / e / l
4.23	Fork carriage ISO 2328 (class/form) A/B	
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
4.35	Turning radius	Wa
	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 / norm	
7.2	I.C. Engine power rating	
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	
8.4	Measured/guaranteed mean noise level at the ear of the operator	
8.4	Sound level at the driver's ear according to DIN 12 053	

MSI-X 30	Created on August 2, 2025 at 2:37 AM UTC					
	Metric					
	Manitou					
	MSI-X_30					
	Diesel					
	Seated					
Q	3000 kg					
С	500 mm					
х	626 mm					
у	1900 mm					
	4355 kg					
	6435 kg / 920 kg					
	1660 kg / 2695 kg					
	Inflatable					
	300-15/18 6T P43					
	7.00-12/12 ED PLUS					
	2/2					
h10	2					
b10	1044 mm 1108 mm					
b11	1108 mm					
h6	2095 mm					
h7	972 mm					
11	4234 mm					
12	3084 mm					
b1	1330 mm					
s/e/l	45 mm x 122 mm x 1150 mm					
	3A					
b3	1260 mm					
m1	260 mm					
m2	238 mm					
Ast	4626 mm					
Wa	2650 mm					
	18 km/h-22 km/h					
	0.50 m/s-0.50 m/s					
	0.50 m/s-0.30 m/s					
	2140 daN / 1340 daN					
	30 % / 32 %					
	Hydraulic brakes by loss of pressure					
	Kubota / V2403 / Stage IIIA					
	36 kW					
	2700 rpm					
	4 - 2434 cm ³					
	Cable					
	180 bar					
	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	٥	10	10	10	10	10
β - Mast/fork carriage tilt, backward	٥	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
a - Mast/fork carriage tilt, forward	٥	10	10	10	10	10	6	6
β - Mast/fork carriage tilt, backward	٥	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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