Technical sheet :

MSI 30 ST5

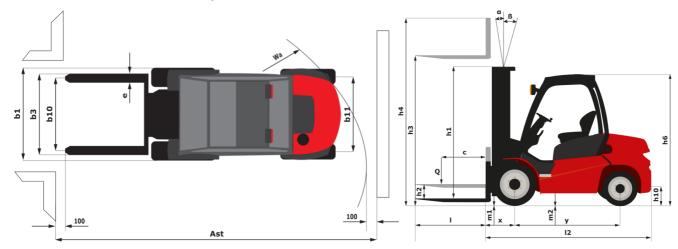




	Technical characteristics
11	Technical characteristics Manufacturer
1.1	
1.2	Model Name
1.3	Power source
1.4	Operator type
1.5	Max. capacity
1.6	Load center of gravity
1.8	Load distance, centre of drive axle to fork
1.9	Wheelbase
	Standard mast reference of the machine
	Weight
2.1	Service weight
2.2	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
3.6	Front wheel gauge
3.7	Rear wheel gauge
	Dimensions
4.7	Height of overhead guard (cabin)
4.8	Seat height/stand height
4.19	Overall length
4.20	Length to face of forks
4.21	Overall width
4.22	Forks section / width / length
4.23	Fork carriage ISO 2328 (class/form) A/B
4.24	Fork carriage width
4.31	Ground clearance below mast
4.32	Ground clearance at centre of wheelbase
4.33	Aisle Width for pallets 1000 x 1200 crossways
4.35	Turning radius
	Performances
5.1	Travel speed (laden / unladen)
5.2	Lifting speed (laden / unladen)
5.3	Lowering speed (laden / unladen)
5.5	Drawbar pull (Laden)
5.7	Gradeability (laden)
5.10	Service brake
	Transmission type
	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
7.7	Miscellaneous
8.1	Type of drive control
8.2	Working hydraulic pressure for attachments
8.2	Oil flow rate for attachments
8.4	Sound level at the driver's ear according to DIN 12 053

MSI 30 ST 5	Created on June 16, 2025 at 11:06 PM UTC
	Metric
	Manitou
	MSI 30 ST5
	Diesel
	Seated
Q	3000 kg
С	500 mm
x	626 mm
У	1900 mm
	FVD 33
	4400 kg
	6560 kg / 840 kg
	1660 kg / 2740 kg
	Draumatia
	Pneumatic 300-15/18 6T P43
	7.00-12/12 ED PLUS
	2/2
	2
b10	1044 mm
b10	1108 mm
h6	2095 mm
h7	972 mm
1	4234 mm
12	3034 mm
b1	1330 mm
s / e / l	45 mm x 100 mm x 1200 mm
	3A
b3	1260 mm
m1	260 mm
m2	238 mm
Ast	4676 mm
Wa	2650 mm
	21 km/h-21 km/h
	0.50 m/s-0.50 m/s
	0.50 m/s-0.30 m/s
	1900 daN
	27 %
	Hydraulic brakes by loss of pressure
	Hydrostatic
	Kubota / D1803 CRT E5B / Stage V
	37 kW
	2700 rpm
	3 - 1826 cm³
	Electronic
	220 bar
	45 l/min
	81 dB

MSI 30 ST5 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 37	FVD 37 FVD 40
α - Mast/fork carriage tilt, forward	۰	12	12	12	12 12
β - Mast/fork carriage tilt, backward	٥	10	10	10	10 10
h1 - Mast lowered height	mm	2136	2286	2546	2546 2736
h2 - Mast free lift	mm	90	90	90	90 90
h3 - Mast lifting height	mm	3000	3300	3700	3700 4000
h4 - Mast extended height	mm	3738	4038	4438	4438 4738
Residual capacity at max height	kg	3000	3000	3000	3000 3000
Residual capacity with hooked-on side shift at max heigth	kg	3000	3000	3000	3000 3000
Height at max capacity	mm	3000	3300	3700	3700 4000
Height at max capacity with hooked-on sideshift	mm	3000	3300	3700	3700 4000

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	12	12	12	12	12	6	6
β - Mast/fork carriage tilt, backward	۰	10	10	10	10	10	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	3000	3000	3000	2700	2300	2200
Residual capacity with hooked-on side shift at max heigth	kg	3000	3000	3000	3000	2350		2200
Height at max capacity	mm	3400	3700	4000	4300	4300	4200	4200
Height at max capacity with hooked-on sideshift	mm	3400	3700	4000	4300	4200		4200

Full Visibility Triplex (FVT)		FVT 33
α - Mast/fork carriage tilt, forward	۰	12
β - Mast/fork carriage tilt, backward	۰	10
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



Head Office B.P. 249 - 430 rue de l'Aubinière 44150 Ancenis Cedex - France Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97 www.manitou.com



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