Technical sheet :

## MC 18-2 ST5





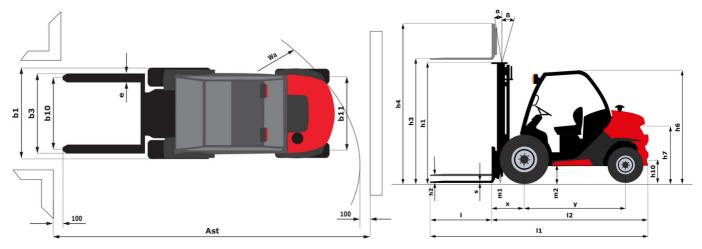
IC 18-2 ST 5	Created or	September	10, 2025	at 2:11	AM UTC
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		MC 18-231:
	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	c
1.8	Load distance, centre of drive axle to fork	x
1.9	Wheelbase	у
	Weight	, ,
	Standard mast reference of the machine	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.2	Weight on front axle (Unladen) / rear axle (Unladen)	
2.5	Wheels	
3.1	Tires type	
3.1	Dimensions of front wheels	
3.2	Dimensions of rear wheels	
3.5	Number of front wheels / rear wheels	
3.5	Number of drive wheels	
3.5.2		<b>h</b> 10
3.0	Front wheel gauge	b10 b11
3./	Rear wheel gauge	DII
4.7	Dimensions	
	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6 / h6 <sup>3</sup>
4.8	Seat height/stand height	h7
4.19	Overall length	1
4.20	Length to face of forks	
4.21	Overall width	b1
4.22	Forks section x width x 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
4.35	Turning radius	Wa
5.4	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	
	Miscellaneous	
8.1	Type of drive control	
8.2	Working hydraulic pressure for attachments	
8.3	Oil flow rate for attachments	

2515	Created on September 10, 2025 at 2.11 AW OTC
	Metric
	Manitou
	MC 18-2 ST5
	Diesel
	Seated
Q	1800 kg
С	500 mm
х	616 mm
у	1900 mm
	FVD 33
	3440 kg
	4600 kg / 640 kg
	1590 kg / 1850 kg
	Pneumatic
	12.5/80 - 18/12 SL R4
	7.00-12/12 ED PLUS
	2 / 2
	2
b10	1159 mm
b11	1112 mm
n6 / h6*	2155 mm / 1990 mm
h7	1034 mm
11	4100 mm
12	2950 mm
b1	1450 mm
s / e / l	35 mm x 100 mm / 1150 mm
	2A
b3	1260 mm
m1	300 mm
m2	320 mm
Wa	2585 mm
	12 km/h / 23.50 km/h
	0.44 m/s / 0.44 m/s
	0.40 m/s / 0.40 m/s
	1000 daN
	19 %
	Hydraulic brakes by loss of pressure
	Hydrostatic
	Kubota / D1803 CR E5B / Stage V
	27 kW
	2700 rpm
	3 - 1826 cm³
	Electronic
	160 bar
	31 I/min

## MC 18-2 ST5 - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 33	FVD 37	FVD 40	FVD 45
α - Mast/fork carriage tilt, forward	۰	12	12	12	12
β - Mast/fork carriage tilt, backward	۰	10	10	10	10
h1 - Mast lowered height	mm	2348	2608	2798	3048
h2 - Mast free lift	mm	85	85	85	85
h3 - Mast lifting height	mm	3300	3700	4000	4500
h4 - Mast extended height	mm	4018	4428	4768	5268
Residual capacity at max height	kg	1800	1800		1100
Residual capacity with hooked-on side shift at max heigth	kg	1800	1800		1100
Height at max capacity	mm	3300	3700	2500	3600
Height at max capacity with hooked-on sideshift	mm	3300	3700		3600

Free Lift Triplex (FLT)		FLT 37	FLT 43	FLT 47	FLT 55
α - Mast/fork carriage tilt, forward	۰	12	12	12	6
β - Mast/fork carriage tilt, backward	۰	10	10	10	6
h1 - Mast lowered height	mm	1998	2198	2348	2608
h2 - Mast free lift	mm	1305	1505	1655	1915
h3 - Mast lifting height	mm	3700	4300	4700	5500
h4 - Mast extended height	mm	4453	5053	5453	6253
Residual capacity at max height	kg	1600	1000	600	
Residual capacity with hooked-on side shift at max heigth	kg	1550	1000	600	
Height at max capacity	mm	3400	3400	3400	2500
Height at max capacity with hooked-on sideshift	mm	3300	3400	3400	

Full Visibility Triplex (FVT)		FVT 33
a - Mast/fork carriage tilt, forward	۰	12
$\beta$ - Mast/fork carriage tilt, backward	٥	10
h1 - Mast lowered height	mm	1888
h2 - Mast free lift	mm	135
h3 - Mast lifting height	mm	3300
h4 - Mast extended height	mm	4048
Residual capacity at max height	kg	1800
Residual capacity with hooked-on side shift at max heigth	kg	1800
Height at max capacity	mm	3300
Height at max capacity with hooked-on sideshift	mm	3300



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