Technical sheet:

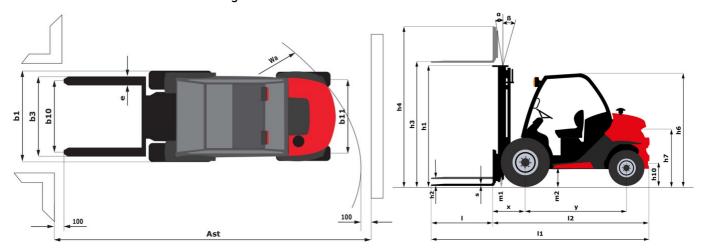
MC 30-2 ST5





		III 30 2313 Greated C	on September 14, 2023 at 11.14 Alv
Techi	nical characteristics		Metric
	facturer		Manitou
1.2 Mode	I Name		MC 30-2 ST5
1.3 Powe	r source		Diesel
1.4 Opera	ator type		Seated
1.5 Max.	capacity	Q	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 Whee	lbase	у	1900 mm
Weigl	ht		
Stand	ard mast reference of the machine		FVD 33
2.1 Service	pe weight		4220 kg
2.2 Weigh	nt on front axle (laden) / rear axle (laden)		6570 kg / 650 kg
2.3 Weigh	nt on front axle (Unladen) / rear axle (Unladen)		1570 kg / 2650 kg
Whee	ls		
3.1 Tires	type		Pneumatic
3.2 Dime	nsions of front wheels		12,5/80-18/12 SL R4
3.3 Dime	nsions of rear wheels		7,00-12/12 ED PLUS
3.5 Numb	per of front wheels / rear wheels		2 / 2
3.5.2 Numb	per of drive wheels		2
3.6 Front	wheel gauge	b10	1159 mm
3.7 Rear v	wheel gauge	b11	1176 mm
Dime	nsions		
4.7 Heigh	nt of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6 / h6*	2155 mm / 1990 mm
4.8 Seat I	height/stand height	h7	1034 mm
4.19 Overa	II length	I1	4265 mm
4.20 Lengt	th to face of forks	12	3085 mm
4.21 Overa	ll width	b1	1450 mm
4.22 Forks	section x width x length	s / e / l	45 mm x 100 mm / 1200 mm
4.23 Fork	carriage ISO 2328 (class/form) A/B		3A
4.24 Fork	carriage width	b3	1260 mm
4.31 Groun	nd clearance below mast	m1	300 mm
4.32 Grour	nd clearance at centre of wheelbase	m2	320 mm
4.33 Aisle	width for 1000 x 1200 pallet widthways	Ast	4626 mm
4.35 Turnir	ng radius	Wa	2650 mm
Perfo	mances		
5.1 Trave	l speed (laden / unladen)		12 km/h / 24.50 km/h
5.2 Liftin	g speed (laden / unladen)		0.47 m/s / 0.46 m/s
5.3 Lowe	ring speed (laden / unladen)		0.50 m/s / 0.30 m/s
5.5 Drawl	bar pull (Laden / Unladen)		1700 daN / 910 daN
5.7 Grade	eability (laden / unladen)		24 % / 22 %
5.10 Service	ce brake		Hydraulic brakes by loss of pressure
Trans	mission type		Hydrostatic
Engin	e e		
7.1 Engin	e brand / model / norm		Kubota / D1803 CRT E5B / Stage V
7.2 I.C. E	ngine power rating		37 kW
7.3 Rated	speed		2700 rpm
7.4 Numb	per of cylinders / Capacity of cylinders		3 - 1826 cm³
Misc	ellaneous		
8.1 Type	of drive control		Electronic
8.2 Worki	ing hydraulic pressure for attachments		220 bar
8.3 Oil flo	ow rate for attachments		42 l/min
8.4 Sound	d level at the driver's ear according to DIN 12 053		79 dB

MC 30-2 ST5 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)	
α - Mast/fork carriage tilt, forward	۰
β - Mast/fork carriage tilt, backward	۰
h1 - Mast lowered height	mm
h2 - Mast free lift	mm
h3 - Mast lifting height	mm
h4 - Mast extended height	mm
Residual capacity at max height	kg
Residual capacity with hooked-on side shift at max heigth	kg
Height at max capacity	mm
Height at max capacity with hooked-on sideshift	mm

FVD 33	FVD 37	FVD 45
12	12	12
10	10	10
2338	2598	3038
117	117	117
3300	3700	4500
4090	4490	5290
1400	1400	500
1400	1400	500
2700	2700	2800
2700	2700	2800

Free Lift Triplex (FLT)		FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55
α - Mast/fork carriage tilt, forward	۰	12	12	12	12	12	6
β - Mast/fork carriage tilt, backward	۰	10	10	10	10	10	6
h1 - Mast lowered height	mm	1988	2088	2188	2338	2438	2788
h2 - Mast free lift	mm	1235	1335	1435	1585	1685	2035
h3 - Mast lifting height	mm	3400	3700	4000	4300	4700	5500
h4 - Mast extended height	mm	4236	4536	4836	5136	5536	6336
Residual capacity at max height	kg	1900	1500	1300	1400	430	500
Residual capacity with hooked-on side shift at max heigth	kg	1800	1400	1250		400	400
Height at max capacity	mm	2700	2600	2700	3100	2700	2500
Height at max capacity with hooked-on sideshift	mm	2700	2600	2700		2700	2500

Full Visibility Triplex (FVT)		FVT 33
α - Mast/fork carriage tilt, forward	٠	12
β - Mast/fork carriage tilt, backward	٠	10
h1 - Mast lowered height	mm	1878
h2 - Mast free lift	mm	129
h3 - Mast lifting height	mm	3300
h4 - Mast extended height	mm	4079
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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