Technical sheet :

MC 18-2 ST5

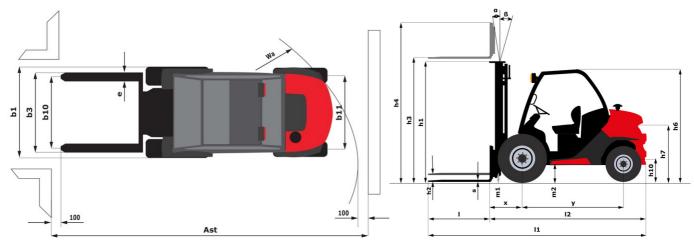




IC 18-2 ST5 Created on July 3, 2025 at 8:07 PM UT	IC 18-2 ST 5	Created on	July 3,	2025	at a	8:07	PΜ	UT	Ċ
---	--------------	------------	---------	------	------	------	----	----	---

			MC 18-2 ST5 Glean	ed on July 3, 2025 at 8:07 PM UTC
	Technical characteristics		Metric	Imperial
1.1	Manufacturer		Manitou	Manitou
1.2	Model Name		MC 18-2 ST5	MC 18-2 ST5
1.3	Power source		Diesel	Diesel
1.4	Operator type		Seated	Seated
1.5	Max. capacity	Q	1800 kg	3968 lb
1.6	Load center of gravity	с	500 mm	20 in
1.8	Load distance, centre of drive axle to fork	x	616 mm	24 in
1.9	Wheelbase	v	1900 mm	75 in
	Weight			
	Standard mast reference of the machine		FVD 33	FVD 33
2.1	Service weight		3440 kg	7584 lb
2.2	Weight on front axle (laden) / rear axle (laden)		4600 kg / 640 kg	10141 lb / 1411 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1590 kg / 1850 kg	3505 lb / 4079 lb
	Wheels		····	
3.1	Tires type		Pneumatic	Pneumatic
3.2	Dimensions of front wheels		12.5/80 - 18/12 SL R4	12.5/80 - 18/12 SL R4
3.3	Dimensions of rear wheels		7.00-12/12 ED PLUS	7.00-12/12 ED PLUS
3.5	Number of front wheels / rear wheels		2/2	2/2
3.5.2	Number of drive wheels		2	2
3.6	Front wheel gauge	b10	1159 mm	46 in
3.7	Rear wheel gauge	b11	1112 mm	44 in
0.7	Dimensions	511	1112 1111	
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6 / h6*	2155 mm / 1990 mm	85 in / 78 in
4.8	Seat height/stand height	h7	1034 mm	41 in
4.19	Overall length	11	4100 mm	161 in
4.20	Length to face of forks	12	2950 mm	116 in
4.21	Overall width	b1	1450 mm	57 in
4.22	Forks section x width x length	s/e/l	35 mm x 100 mm / 1150 mm	1 in x 4 in / 45 in
4.23	Fork carriage ISO 2328 (class/form) A/B		2A	2A
4.24	Fork carriage width	b3	1260 mm	50 in
4.31	Ground clearance below mast	m1	300 mm	12 in
4.32	Ground clearance at centre of wheelbase	m2	320 mm	13 in
4.35	Tuming radius	Wa	2585 mm	102 in
	Performances	ind ind	2000	
5.1	Travel speed (laden / unladen)		12 km/h / 23.50 km/h	7 mph / 15 mph
5.2	Lifting speed (laden / unladen)		0.44 m/s / 0.44 m/s	1 ft/s / 1 ft/s
5.3	Lowering speed (laden / unladen)		0.40 m/s / 0.40 m/s	1 ft/s / 1 ft/s
5.5	Drawbar pull (Laden)		1000 daN	1000 daN
5.7	Gradeability (laden)		19 %	19 %
5.10	Service brake		Hydraulic brakes by loss of pressure	Hydraulic brakes by loss of pressure
0.110	Transmission type		Hydrostatic	Hydrostatic
	Engine			
7.1	Engine brand / model / norm		Kubota / D1803 CR E5B / Stage V	Kubota / D1803 CR E5B / Stage V
7.2	I.C. Engine power rating		27 kW	27 kW
7.3	Rated speed		2700 rpm	2700 rpm
7.4	Number of cylinders / Capacity of cylinders		3 - 1826 cm ³	3 - 111 in ³
	Miscellaneous			
8.1	Type of drive control		Electronic	Electronic
8.2	Working hydraulic pressure for attachments		160 bar	2321 PSI
8.3	Oil flow rate for attachments		31 I/min	8 US gpm
			,	o gp





Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 33	FVD 37	FVD 40	FVD 45
α - Mast/fork carriage tilt, forward	٥	12	12	12	12
β - Mast/fork carriage tilt, backward	٥	10	10	10	10
h1 - Mast lowered height	in (mm)	92.4 (2348)	102.7 (2608)	110.2 (2798)	120 (3048)
h2 - Mast free lift	in (mm)	3.3 (85)	3.3 (85)	3.3 (85)	3.3 (85)
h3 - Mast lifting height	in (mm)	129.9 (3300)	145.7 (3700)	157.5 (4000)	177.2 (4500)
h4 - Mast extended height	in (mm)	158.2 (4018)	174.3 (4428)	187.7 (4768)	207.4 (5268)
Residual capacity at max height	lb (kg)	3968 (1800)	3968 (1800)		2425 (1100)
Residual capacity with hooked-on side shift at max heigth	lb (kg)	3968 (1800)	3968 (1800)		2425 (1100)
Height at max capacity	in (mm)	129.9 (3300)	145.7 (3700)	98.4 (2500)	141.7 (3600)
Height at max capacity with hooked-on sideshift	in (mm)	129.9 (3300)	145.7 (3700)		141.7 (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	in (mm)	78.7 (1998)	86.5 (2198)	92.4 (2348)	102.7 (2608)
h2 - Mast free lift	in (mm)	51.4 (1305)	59.3 (1505)	65.2 (1655)	75.4 (1915)
h3 - Mast lifting height	in (mm)	145.7 (3700)	169.3 (4300)	185 (4700)	216.5 (5500)
h4 - Mast extended height	in (mm)	175.3 (4453)	198.9 (5053)	214.7 (5453)	246.2 (6253)
Residual capacity at max height	lb (kg)	3527 (1600)	2205 (1000)	1323 (600)	
Residual capacity with hooked-on side shift at max heigth	lb (kg)	3417 (1550)	2205 (1000)	1323 (600)	
Height at max capacity	in (mm)	133.9 (3400)	133.9 (3400)	133.9 (3400)	98.4 (2500)
Height at max capacity with hooked-on sideshift	in (mm)	129.9 (3300)	133.9 (3400)	133.9 (3400)	

Full Visibility Triplex (FVT)		FVT 33
α - Mast/fork carriage tilt, forward	٥	12
β - Mast/fork carriage tilt, backward	۰	10
h1 - Mast lowered height	in (mm)	74.3 (1888)
h2 - Mast free lift	in (mm)	5.3 (135)
h3 - Mast lifting height	in (mm)	129.9 (3300)
h4 - Mast extended height	in (mm)	159.4 (4048)
Residual capacity at max height	lb (kg)	3968 (1800)
Residual capacity with hooked-on side shift at max heigth	lb (kg)	3968 (1800)
Height at max capacity	in (mm)	129.9 (3300)
Height at max capacity with hooked-on sideshift	in (mm)	129.9 (3300)



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



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes