Technical sheet :

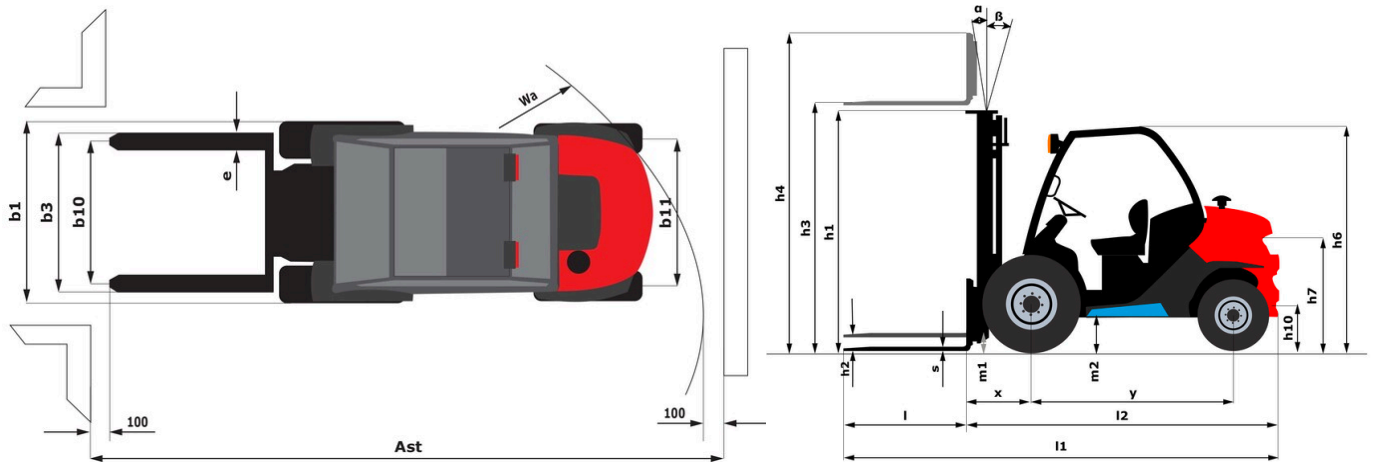
MC 18-2 E



MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		MC 18-2 e
1.3	Power source		Electrical - Lithium
1.4	Operator type		Seated
1.5	Max. capacity	Q	1800 kg
1.6	Load center of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	620 mm
1.9	Wheelbase	y	2000 mm
	Weight		
	Standard mast reference of the machine		FVD 33
2.1	Service weight		3657 kg
2.2	Weight on front axle (laden) / rear axle (laden)		4521 kg / 936 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1710 kg / 1947 kg
	Wheels		
3.1	Tires type		Pneumatic
3.2	Dimensions of front wheels		12.5/80 - 18/12 SL R4
3.3	Dimensions of rear wheels		7.00-12/12 ED PLUS
3.5	Number of front wheels / rear wheels		2 / 2
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	1159 mm
3.7	Rear wheel gauge	b11	1112 mm
	Dimensions		
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6	2166 mm / 2018 mm
4.8	Seat height/stand height	h7	1120 mm
4.19	Overall length	l1	4216 mm
4.20	Length to face of forks	l2	3066 mm
4.21	Overall width	b1	1450 mm
4.22	Forks section x width x length	s / e / l	35 mm x 100 mm / 1150 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		2A
4.24	Fork carriage width	b3	1260 mm
4.31	Ground clearance below mast	m1	300 mm
4.32	Ground clearance at centre of wheelbase	m2	305 mm
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	4548 mm
4.35	Turning radius	Wa	2725 mm
	Performances		
5.1	Travel speed (laden / unladen)		10 km/h / 20 km/h
5.2	Lifting speed (laden / unladen)		0.46 m/s / 0.46 m/s
5.3	Lowering speed (laden / unladen)		0.50 m/s / 0.30 m/s
5.5	Drawbar pull (Laden)		1150 daN
5.7	Gradeability (laden)		22 %
5.10	Service brake		Hydraulic brakes by loss of pressure
	Transmission type		Hydrostatic
	Engine		
7.1	Engine brand / model		NIDEC / ACX-3899
7.2	Engine power (Hp / kW)		27 Hp/20 kW
7.3	Rated speed		2700 rpm
	Miscellaneous		
8.1	Type of drive control		Electric
8.2	Working hydraulic pressure for attachments		165 bar
8.3	Oil flow rate for attachments		38 l/min
8.4	Sound level at the driver's ear according to DIN 12 053		80 dB

MC 18-2 e - 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	°	12	12	12	12
β - Mast/fork carriage tilt, backward	°	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	1800	1600
Residual capacity with hooked-on side shift at max heigth	kg	1640	1640	1640	1620
Height at max capacity	mm	3300	3700	4000	4350
Height at max capacity with hooked-on sideshift	mm	3300	3700	4000	4350

Free Lift Triplex (FLT)		FLT 37	FLT 40	FLT 43	FLT 47	FLT 55
α - Mast/fork carriage tilt, forward	°	12	12	12	12	6
β - Mast/fork carriage tilt, backward	°	10	10	10	10	6
h1 - Mast lowered height	mm	1998	2098	2198	2348	2608
h2 - Mast free lift	mm	1305	1405	1505	1655	1915
h3 - Mast lifting height	mm	3700	4000	4300	4700	5500
h4 - Mast extended height	mm	4453	4753	5053	5453	6253
Residual capacity at max height	kg	1800	1800	1800	1400	700
Residual capacity with hooked-on side shift at max heigth	kg	1640	1640	1640	1360	650
Height at max capacity	mm	3700	4000	4300	4360	4360
Height at max capacity with hooked-on sideshift	mm	3700	4000	4300	4360	4360

Full Visibility Triplex (FVT)		FVT 33
α - Mast/fork carriage tilt, forward	°	12
β - Mast/fork carriage tilt, backward	°	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	1640
Height at max capacity	mm	3300
Height at max capacity with hooked-on sideshift	mm	3300

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