

Technical sheet :

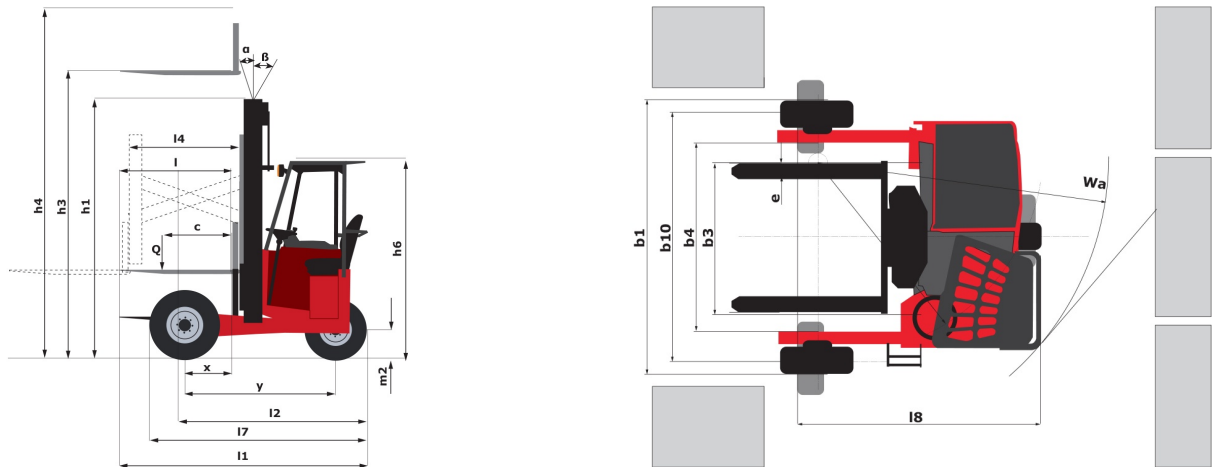
# **TMM 20**

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Technical characteristics			Metric	Imperial
1.1	Manufacturer		Manitou	Manitou
1.2	Model Name		TMM 20	TMM 20
1.2.1	Reach out equipment		Telescopic forks	Telescopic forks
1.3	Power source		Diesel	Diesel
1.4	Operator type		Seated	Seated
1.5	Max. capacity	Q	2000 kg	4409 lbs
1.6	Load centre of gravity	c	600 mm	23.622 in
1.8	Load distance, centre of drive axle to fork	x	-500 mm	-19.685 in
1.9	Wheelbase	y	1598 mm	62.913 in
Weight				
2.1	Service Weight		2290 kg	5049 lbs
Wheels				
3.1	Tyres type		Inflatable	Inflatable
3.2	Dimensions of front wheels		23 x 9 - 10 IC30	23 x 9 - 10 IC30
3.3	Dimensions of rear wheels		23 x 9 - 10 IC30	23 x 9 - 10 IC30
3.5	Number of front wheels / rear wheels		2 / 1	2 / 1
3.5.1	Drive wheels (front / rear)		2 / 1	2 / 1
3.6	Front wheel gauge	b10	2103 mm	82.795 in
Dimensions				
4.7	Height of overhead guard (cabin)	h6	2080 mm	81.89 in
4.19	Overall length	l1	2598 mm	102.283 in
4.21	Overall width	b1	2323 mm	91.457 in
4.22	Forks section / width / length	s / e / l	55 mm x 170 mm x 1350 mm	2.165 in x 6.693 in x 53.15 in
4.23	Fork carriage ISO 2328 (class/form) A/B		2A	2A
4.24	Fork carriage width	b3	1260 mm	49.606 in
4.26	Distance between wheel arms/loading surfaces	b4	1600 mm	62.992 in
4.32	Ground clearance at centre of wheelbase	m2	230 mm	9.055 in
4.28	Max. Reach	l4	1005 mm	39.567 in
4.37	Overall length (without forks)	l7	2285 mm	89.961 in
4.35	Turning radius	Wa	2463 mm	96.969 in
Performances				
5.1	Travel speed (laden / unladen)		10 km/h / 10 km/h	6.2 mph / 6.2 mph
5.7	Gradeability - laden / unladen		43 % / 26 %	43 % / 26 %
5.9	Service brake		Hydraulic	Hydraulic
5.11	Transmission type		Hydrostatic	Hydrostatic
Engine				
7.1	Engine brand		Kubota	Kubota
7.4	Number of cylinders / Capacity of cylinders		4 - 1498 cm <sup>3</sup>	4 - 91.41 in <sup>3</sup>
7.3	Rated speed		3000 tr/min	3000 tr/min
7.2	Engine power according to ISO 1585		26.5 kW	26.5 kW
Miscellaneous				
8.2	Working hydraulic pressure for attachments (bar)		190 Bar	13 PSI
8.3	Oil flow rate for attachments		43 l/min	43 l/min
8.4	Sound level at the driver's ear according to DIN 12 053		86 dB(A)	86 dB(A)

## Dimensional drawing



## Characteristics of masts and residual capacities

		Full Visibility Duplex				
		FVD 30	FVD 36	FVD 39		
Residual Capacity (Maximum Height & LC = 600)	Simple Reach	h1 - Height mast Lowered	mm	2352	2702	2852
		h3 - Lifting Height	mm	3000	3600	3900
		h4 - Height mast extended	mm	4455	5055	5355
		Pantograph reach in	kg	2000	2000	2000
		Pantograph reach out with stabilizers	kg	1750	1750	1750
		Pantograph reach out without stabilizers	kg	1050	1050	1050
	Double Reach	Telescopic forks reach in	kg	2000	2000	2000
		Telescopic Forks reach out with stabilizers	kg	1300	1300	1300
		Telescopic Forks reach out without stabilizers	kg	1100	1150	1100
		Pantograph & TF reach in	kg	2000	2000	2000
		Pantograph & TF reach out with stabilizers	kg	1100	1100	1100
		Pantograph & TF reach out without stabilizers	kg	550	550	550



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