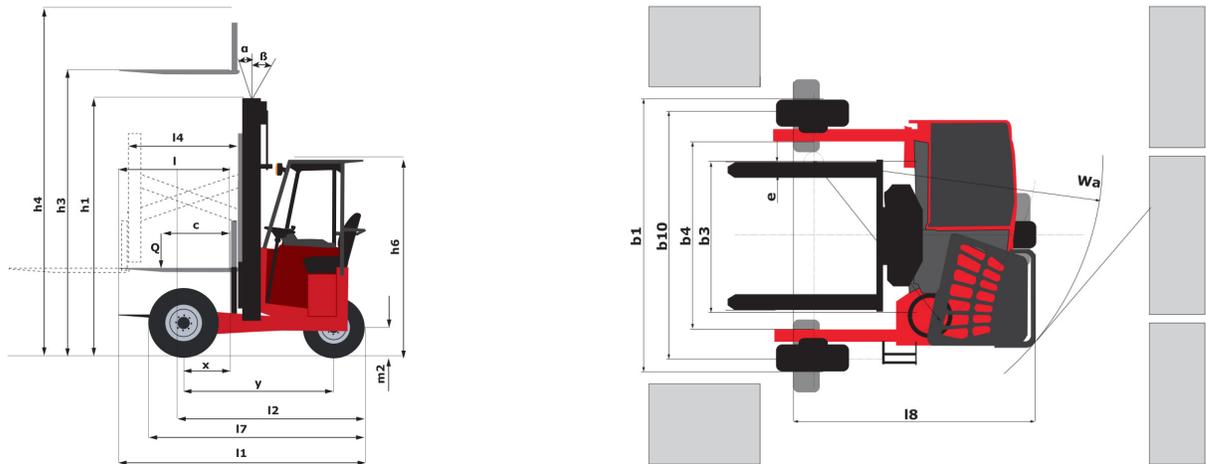


Technical sheet :

TMM 20 4W ST5

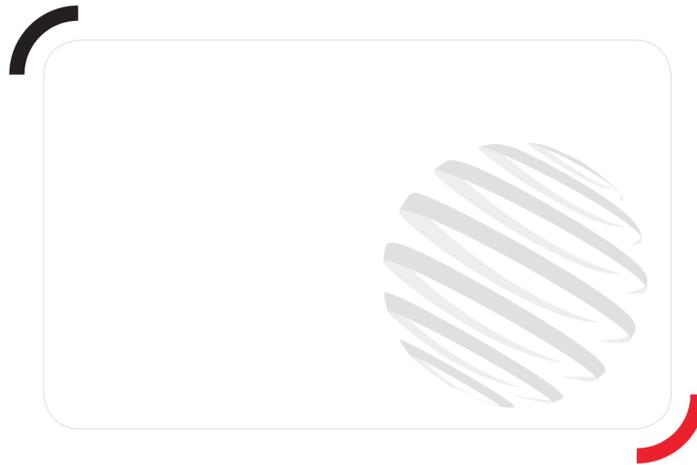
Technical characteristics			Metric	Imperial
1.1	Manufacturer		MANITOU	MANITOU
1.2	Model Name		TMM 20 4W ST5	TMM 20 4W ST5
1.2.1	Reach out equipment		Pantograph	Pantograph
1.3	Power source		Diesel	Diesel
1.4	Operator type		Seated	Seated
1.5	Max. capacity	Q	2000 kg	4409 lbs
1.6	Load centre of gravity	c	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		2450 kg	5401 lbs
Wheels				
3.1	Tyres type		Inflatable	Inflatable
3.2	Dimensions of front wheels		23x9-10 IC30	23x9-10 IC30
3.3	Dimensions of rear wheels		23x9-10 IC30	23x9-10 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	2095 mm	82.48 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	2315 mm	91.142 in
4.23	Fork carriage ISO 2328 (class/form) A/B		2A	2A
4.24	Fork carriage width	b3	1260 m	4133 ft 10 in
4.26	Distance between wheel arms/loading surfaces	b4	1492 mm	58.74 in
4.32	Ground clearance at centre of wheelbase	m2	231 m	757 ft 10 in
4.28	Max. Reach	l4	1005 mm	39.567 in
4.37	Overall length (without forks)	l7	2285 mm	89.961 in
4.38	Length across wheel arms (4W position)	l8	2320 mm	91.339 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 / norm		Kubota - Stage 5	Kubota - Stage 5
7.4	Number of cylinders / Capacity of cylinders		3 - 1123 cm ³	3 - 68.53 in ³
7.3	Rated speed		3000 tr/min	3000 tr/min
7.2	Engine power according to ISO 1585		18.5 kW	18.5 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		84 dB(A)	84 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	1100	1050	1000
	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	1150	1100	1050
		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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