Technical sheet:

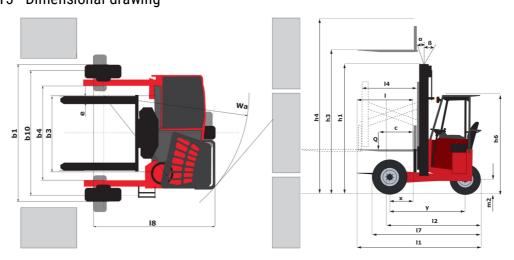
## **TMM 20 4W ST5**





		1MM2040313 0	eated off May 4, 2024 at 1.00.04 AM
	Technical characteristics		Metric
1.1	Manufacturer		MANITOU
1.2	Model Name		TMM 20 4W ST5
1.2.1	Reach out equipment		Pantograph
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	2000 kg
1.6	Load center of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	X	500 mm
1.9	Wheelbase	 y	1598 mm
11.5	Weight	,	
2.1	Service weight		2450 kg
2.2	Weight on front axle (laden) / rear axle (laden)		3180 kg / 1270 kg
2.3	Weight on front axle (Inladen) / rear axle (Unladen)		1180 kg / 1270 kg
2.3	Wheels		1160 kg / 1270 kg
2.1			Pneumatic
3.1	Tires type		
3.2	Dimensions of front wheels		27X10-12 IC30
3.3	Dimensions of rear wheels		27X10-12 IC30
3.5	Number of front wheels / rear wheels		2 / 1
1.5.2	Drive wheels (front / rear)		2 / 1
3.6	Front wheel gauge	b10	2095 mm
	Dimensions		
4.7	Height of overhead guard (cabin)	h6	2080 mm
4.8	Seat height/stand height	h7	1030 mm
1.19	Overall length	I1	2598 mm
1.21	Overall width	b1	2315 mm
1.22	Forks section / width / length	s / e / l	40 mm x 122 mm x 1200 mm
1.23	Fork carriage ISO 2328 (class/form) A/B		2A
4.24	Fork carriage width	b3	1260 m
4.25	Distance between support arms	b4	1165 mm
1.26	Distance between wheel arms/loading surfaces	b4	1492 mm
1.28	Maximum horizontal extension at COG 600	14	1000 mm
1.32	Ground clearance at centre of wheelbase	m2	231 mm
1.34	Aisle width for 800 x 1200 pallet lengthways	Ast	3363 mm
1.35	Turning radius	Wa	2463 mm
	Performances		
5.1	Travel speed (laden / unladen)		9.40 km/h - 9.50 km/h
5.2	Lifting speed (laden / unladen)		0.26 m/s / 0.24 m/s
5.5	Nominal pulling force (laden)		2450
5.3	Lowering speed (laden / unladen)		0.38 m/s / 0.24 m/s
5.7	Gradeability (laden / unladen)		47 % / 48 %
5.10	Service brake		Hydraulic brakes by loss of pressure
5.9	Acceleration time (laden / unladen)		4.10 s / 2.60 s
	Transmission type		Hydrostatic
5.11	Engine		Trydiostatic
7 1			Kubata Staga V
7.1	Engine brand / norm		Kubota - Stage V
7.2	Engine power according to ISO 1585		18.50 kW
7.3	Rated speed		3000 rpm
7.4	Number of cylinders / Capacity of cylinders		3 - 1123 cm³
	Miscellaneous		
8.1	Type of drive control		Cable
8.2	Working hydraulic pressure for attachments		190 bar
8.3	Oil flow rate for attachments		43 I/min
8.4	Sound level at the driver's ear according to DIN 12 053		84 dB

## TMM 20 4W ST5 - Dimensional drawing



## Characteristics of masts and residual capacities

		Full Visibility Duplex (FVD)		FVD 30	FVD 36
		h1 - Mast lowered height	mm	2352	2702
		h3 - Mast lifting height	mm	3000	3600
		h4 - Mast extended height	mm	4455	5055
nt &	Simple Reach	Pantograph reach in	kg	2000	2000
leigh		Pantograph reach out with stabilizers	kg	1750	1750
Ē		Pantograph reach out without stabilizers	kg	1100	1050
ij (ji		Telescopic forks reach in	kg	2000	2000
Ma)		Telescopic Forks reach out with stabilizers	kg	1300	1300
Capacity (Maximum Height & LC = 600 mm)		Telescopic Forks reach out without stabilizers	kg	1150	1100
Ca	Double Reach	Pantograph & TF reach in	kg	2000	2000
Residual		Pantograph & TF reach out with stabilizers	kg	1100	1100
Res		Pantograph & TF reach out without stabilizers	kg	550	550





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