Technical sheet:

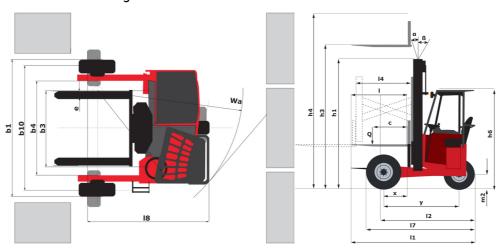
## **TMM 20 ST5**





		TMM 20 ST5	Created on April 28, 2024 at 4:14:44 PM UT	
	Technical characteristics		Metric	
1.1	Manufacturer		MANITOU	
1.2	Model Name		TMM 20 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	490 mm	
1.9	Wheelbase	V	1598 mm	
11.5	Weight	,	TOSC HIIII	
2.1	Service weight		2290 kg	
2.2	Weight on front axle (laden) / rear axle (laden)		3050 kg / 1240 kg	
2.3				
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1050 kg / 1240 kg	
0.1	Wheels		Dogwoodin	
3.1	Tires type		Pneumatic	
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	
3.5.2	Drive wheels (front / rear)		2 / 1	
3.6	Front wheel gauge	b10	2151 mm	
	Dimensions			
4.7	Height of overhead guard (cabin)	h6	2120 mm	
4.8	Seat height/stand height	h7	1070 mm	
4.19	Overall length	l1	2650 mm	
4.21	Overall width	b1	2406 mm	
4.22	Forks section / width / length	s / e / l	40 mm x 122 mm x 1200 mm	
4.23	Fork carriage ISO 2328 (class/form) A/B		2A	
4.24	Fork carriage width	b3	1260 mm	
4.25	Distance between support arms	b4	1165 mm	
4.26	Distance between wheel arms/loading surfaces	b4	1600 mm	
4.28	Maximum horizontal extension at COG 600	14	1000 mm	
4.32	Ground clearance at centre of wheelbase	m2	272 mm	
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	3363 mm	
4.35	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)		2200	
5.3	Lowering speed (laden / unladen)		0.38 m/s / 0.24 m/s	
5.7	Gradeability (laden / unladen)		56 % / 51 %	
5.10	Service brake		Hydraulic brakes by loss of pressure	
5.9	Acceleration time (laden / unladen)		4.10 s / 2.60 s	
5.11	Transmission type		Hydrostatic	
J.11	Engine		Trydiostatic	
7.1			Kuhata Staga V	
7.1	Engine power according to ISO 1595		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 l/min	
8.4	Sound level at the driver's ear according to DIN 12 053		84 dB	

## TMM 20 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
leigl		Pantograph reach out with stabilizers	kg	1750	1750
Ē		Pantograph reach out without stabilizers	kg	1050	1050
Éjm (m)		Telescopic forks reach in	kg	2000	2000
Мау п		Telescopic Forks reach out with stabilizers	kg	1300	1300
Capacity (Maximum Height & LC = 600 mm)		Telescopic Forks reach out without stabilizers	kg	1100	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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