Technical sheet:

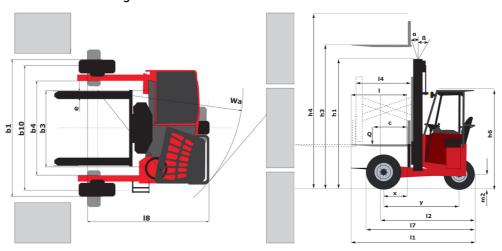
## **TMM 20 ST5**





		1 MM 2U S I	TMM 20 ST5 Created on 3 May 2024 at 4.15.27 010		
	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	х	490 mm		
1.9	Wheelbase	у	1598 mm		
	Weight				
2.1	Service weight		2290 kg		
2.2	Weight on front axle (laden) / rear axle (laden)		3050 kg / 1240 kg		
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1050 kg / 1240 kg		
	Wheels				
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		2/11		
3.5.2	Drive wheels (front / rear)		2/1		
3.6	Front wheel gauge	b10	27 T		
3.0	Dimensions	510	2131 111111		
4.7		h6	2120 mm		
4.7	Height of overhead guard (cabin)	h7	1070 mm		
4.19	Seat height/stand height		2650 mm		
	Overall length	l1			
4.21	Overall width	b1	2406 mm		
4.22	Forks section / width / length	s / e / I	40 mm x 122 mm x 1200 mm 2A		
4.23	Fork carriage ISO 2328 (class/form) A/B	LO.			
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		
	Engine				
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  Miscellaneous		3 - 1123 cm³		
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
Ма) 00 ш		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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