Technical sheet :

## **TMM 20 4W ST5**

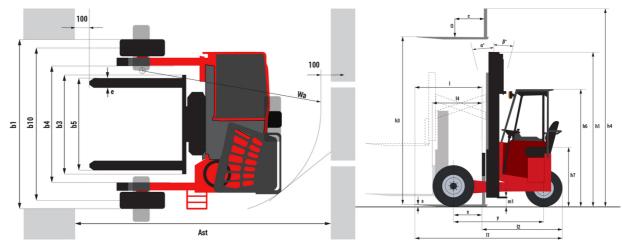




	Technical characteristics		
1.1	Manufacturer		
1.2	Model Name		
1.2.1	Reach out equipment		
1.3	Power source		
1.4	Operator type		
1.5	Max. capacity	Q	
1.6	Load center of gravity	С	
1.8	Load distance, centre of drive axle to fork	x	
1.9	Wheelbase	у	
	Weight		
	Standard mast reference of the machine		
2.1	Service weight		
2.2	Weight on front axle (laden) / rear axle (laden)		
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		
	Wheels		
3.1	Tires type		
3.2	Dimensions of front wheels		
3.3	Dimensions of rear wheels		
3.5	Number of front wheels / rear wheels		
3.5.2	Drive wheels (front / rear)		
3.6	Front wheel gauge	b10	
	Dimensions		
4.4	Max. lifting height	h3	
4.7	Height of overhead guard (cabin)	h6	
4.8	Seat height/stand height	h7	
4.19	Overall length	11	
4.21	Overall width	b1	
4.22	Forks section / width / length	s / e / l	
4.23	Fork carriage ISO 2328 (class/form) A/B		
4.24	Fork carriage width	b3	
4.26	Distance between support arms	b5	
4.26	Distance between wheel arms/loading surfaces	b4	
4.28	Maximum outreach		
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	
4.35	Turning radius	Wa	
	Performances		
5.1	Travel speed (laden / unladen)		
5.2	Lifting speed (laden / unladen)		
5.3	Lowering speed (laden / unladen)		
5.7	Gradeability (laden / unladen)		
5.9	Acceleration time (laden / unladen)		
5.10	Service brake		
	Transmission type		
	Engine		
7.1	Engine brand / norm / model		
7.2	I.C. Engine power rating / Power		
7.3	Rated speed		
7.4	Number of cylinders / Capacity of cylinders		
	Miscellaneous		
8.1	Type of drive control		
8.2	Working hydraulic pressure for attachments		
8.3	Oil flow rate for attachments		
8.4	Sound level at the driver's ear according to DIN 12 053		

) 4W ST 5	Created on August 12, 2025 at 3:48 PM UTC						
	Metric						
	MANITOU						
	TMM 20 4W ST5						
	Pantograph						
	Diesel						
	Seated						
Q	2000 kg						
C	500 mm						
X	500 mm 1598 mm						
у	1598 mm						
	EV/D 20						
	FVD 30						
	2450 kg						
	3180 kg / 1270 kg						
	1180 kg / 1270 kg						
	Pneumatic						
	27X10-12 IC30						
	27X10-12 IC30						
	2 / 1						
	2 / 1						
b10	2143 mm						
h3	4200 mm						
h6	2120 mm						
h7	1070 mm						
11	2638 mm						
b1	2398 mm						
s/e/l	40 mm x 122 mm x 1200 mm						
	2A						
b3	1260 m						
b5	1165 mm						
b4	1492 mm						
	1000 mm						
Ast	3363 mm						
Wa	2463 mm						
	9.40 km/h - 9.50 km/h						
	0.26 m/s / 0.24 m/s						
	0.38 m/s / 0.24 m/s						
	47 % / 48 %						
	4.10 s / 2.60 s						
	Hydraulic brakes by loss of pressure						
	Hydrostatic						
	Kubota - Stage V / D1105-E4B-MNT-2						
	18.50 kW / 18.50 kW						
	3000 rpm						
	3 - 1123 cm <sup>3</sup>						
	Cable						
	190 bar 42 l/min						
	43 l/min						
	84 dB						

## TMM 20 4W ST5 - Dimensional drawing



## Characteristics of masts and residual capacities

		Full Visibility Duplex (FVD)		FVD 30	FVD 36	FVD 42
		h1 - Mast lowered height	mm	2352	2702	3090
		h3 - Mast lifting height	mm	3000	3600	4200
		h4 - Mast extended height	mm	4455	5055	5695
Residual Capacity (Maximum Height & LC = 600 mm)	Simple Reach	Pantograph reach in	kg	2000	2000	2500
		Pantograph reach out with stabilizers	kg	1750	1750	
		Pantograph reach out without stabilizers	kg	1100	1050	
		Telescopic forks reach in	kg	2000	2000	
		Telescopic Forks reach out with stabilizers	kg	1300	1300	
		Telescopic Forks reach out without stabilizers	kg	1150	1100	
	Double Reach	Pantograph & TF reach in	kg	2000	2000	
		Pantograph & TF reach out with stabilizers	kg	1100	1100	
		Pantograph & TF reach out without stabilizers	kg	550	550	



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