Technical sheet :

# **TMM 20 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)	
2.2	Weight on front axle (Unladen) / rear axle (Unladen)	
2.3	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	
4.32	Ground clearance at centre of wheelbase	m2
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast
4.35	Tuming 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	
5.10	Transmission type	
71	Engine	
7.1	Engine brand / norm / model	
7.2	I.C. Engine power rating	
7.3	Rated speed	
7.4	Number of cylinders / Capacity of cylinders	
0.1	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	

DST5	Created on June 18, 2025 at 2:23 AM UTC					
	Metric					
	MANITOU					
	TMM 20 ST5					
	Pantograph					
	Diesel					
	Seated					
	2000 kg					
	500 mm					
	490 mm					
	1598 mm					
	EV/D 00					
	FVD 30					
	2290 kg					
	3050 kg / 1240 kg					
	1050 kg / 1240 kg					
	Pneumatic					
	27x10-12 IC30					
	27x10-12 IC30					
	2/1					
	2/1					
	2151 mm					
	4200 mm					
	2120 mm					
	1070 mm					
	2650 mm					
	2406 mm					
	40 mm x 122 mm x 1200 mm					
	2A					
	1260 mm					
	1165 mm					
	1600 mm					
	1000 mm					
	272 mm					
	3363 mm					
	2463 mm					

9.40 km/h - 9.50 km/h	
0.26 m/s / 0.24 m/s	

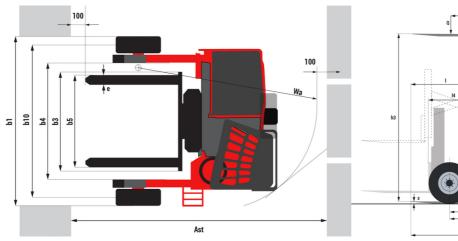
### 0.38 m/s / 0.24 m/s

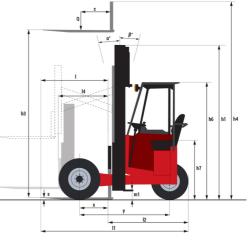
56 % / 51 % 4.10 s / 2.60 s

Hydraulic brakes by loss of pressure						
Hudrostatio						

nyulustatic	
Kubota - Stage V / D1105-E4B-MNT-2	
18.50 kW	
3000 rpm	
3 - 1123 cm <sup>3</sup>	
Cable	
190 bar	
43 l/min	
84 dB	

## TMM 20 ST5 - Dimensional drawing





#### **TMM 20 ST5** Created on June 18, 2025 at 2:23 AM UTC

# 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)		Pantograph reach in	kg	2000	2000	2500
	_	Pantograph reach out with stabilizers	kg	1750	1750	
	Simple Reach	Pantograph reach out without stabilizers	kg	1050	1050	
		Telescopic forks reach in	kg	2000	2000	
		Telescopic Forks reach out with stabilizers	kg	1300	1300	
		Telescopic Forks reach out without stabilizers	kg	1100	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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