Technical sheet :

TMM 20 ST5





	TMM 20 ST5 Crea	ted on May 5, 2024 at 6:09:55 AM UTC		
Technical characteristics		Metric		
Manufacturer		MANITOU		
Model Name		TMM 20 ST5		
Reach out equipment		Pantograph		
Power source		Diesel		
Operator type		Seated		
Max. capacity	Q	2000 kg		
Load center of gravity	с	500 mm		
Load distance, centre of drive axle to fork	x	490 mm		
Wheelbase	у	1598 mm		
Weight				
Service weight		2290 kg		
Weight on front axle (laden) / rear axle (laden)		3050 kg / 1240 kg		
Weight on front axle (Unladen) / rear axle (Unladen)		1050 kg / 1240 kg		
Wheels				
Tires type		Pneumatic		
Dimensions of front wheels		27x10-12 IC30		
Dimensions of rear wheels		27x10-12 IC30		
Number of front wheels / rear wheels		2 / 1		
Drive wheels (front / rear)		2 / 1		
Front wheel gauge	b10	2151 mm		
Dimensions				
Height of overhead guard (cabin)	h6	2120 mm		
Seat height/stand height	h7	1070 mm		
Overall length	l1	2650 mm		
Overall width	b1	2406 mm		

	Metric		
	MANITOU		
	TMM 20 ST5		
	Pantograph		
	Diesel		
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	2290 kg		
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	1050 kg / 1240 kg		
	Pneumatic		
	27x10-12 IC30		
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	2 / 1		
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b10	2151 mm		
h6	2120 mm		
h7	1070 mm		
l1	2650 mm		
b1	2406 mm		
s / e / l	40 mm x 122 mm x 1200 mm		
	2A		
b3	1260 mm		
b4	1165 mm		
b4	1600 mm		
14	1000 mm		
m2	272 mm		
Ast	3363 mm		
Wa	2463 mm		
	9.40 km/h - 9.50 km/h		
	0.26 m/s / 0.24 m/s		
	2200		
	0.38 m/s / 0.24 m/s		
	56 % / 51 %		
	Hydraulic brakes by loss of pressure		
	4.10 s / 2.60 s		
	Hydrostatic		

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 press
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	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

Forks section / width / length

Distance between support arms

Travel speed (laden / unladen)

Lifting speed (laden / unladen)

Fork carriage ISO 2328 (class/form) A/B

Distance between wheel arms/loading surfaces

Maximum horizontal extension at COG 600

Aisle width for 800 x 1200 pallet lengthways

Ground clearance at centre of wheelbase

Fork carriage width

Turning radius

Performances

1.1

1.2 1.2.1

1.3

1.4

1.5

1.6

1.8

1.9

2.1

2.2

2.3

3.1

3.2

3.3

3.5

3.5.2

3.6

4.7

4.8

4.19 4.21

4.22

4.23

4.24

4.25

4.26

4.28

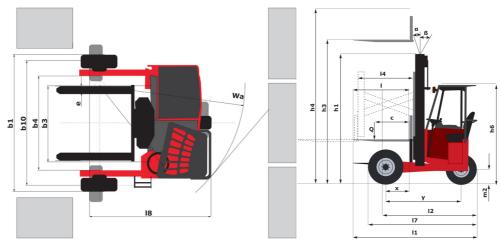
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4.35

5.1

5.2



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
Residual Capacity (Maximum Height & LC = 600 mm)		Pantograph reach in	kg	2000	2000
	ے	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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