Technical sheet :

## **TMM 20 ST5**





		тмм 20 5 т 5 Created on May 3, 2024 at 4:33:58 AM UTC		
Technical characteristics		Metric		
Manufacturer		MANITOU		
Model Name		TMM 20 ST5		
Reach out equipment		Pantograph		
Power source		Diesel		
Operator type		Seated		
Max. capacity	0	2000 kg		
Load center of gravity	c	500 mm		
Load distance, centre of drive axle to fork	x	490 mm		
Wheelbase	v	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	11	2650 mm		
Overall width	b1	2406 mm		
Forks section / width / length	s / e / l	40 mm x 122 mm x 1200 mm		
Fork carriage ISO 2328 (class/form) A/B		2A		
Fork carriage width	b3	1260 mm		
Distance between support arms	b4	1165 mm		
Distance between wheel arms/loading surfaces	b4	1600 mm		
Maximum horizontal extension at COG 600	14	1000 mm		
Ground clearance at centre of wheelbase	m2	272 mm		
Aisle width for 800 x 1200 pallet lengthways	Ast	3363 mm		
Turning radius	Wa	2463 mm		
Performances				

	Marta
	Metric
	MANITOU
	TMM 20 ST5
	Pantograph
	Diesel
	Seated
	2000 kg
	500 mm
	490 mm
	1598 mm
	2290 kg
	3050 kg / 1240 kg
	1050 kg / 1240 kg
	Pneumatic
	27x10-12 IC30
	27x10-12 IC30
	2/1
	2 / 1
	271 2151 mm
	2131 1111
	2122
	2120 mm
	1070 mm
	2650 mm
	2406 mm
1	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
	2200
	0.38 m/s / 0.24 m/s
	56 % / 51 %
	Hydraulic brakes by loss of pressure
	4.10 s / 2.60 s
	Hydrostatic
	, , ,
	Kubota - Stage V
	18.50 kW
	3000 rpm
	3 - 1123 cm <sup>3</sup>
	5 - 1123 UIII-
	Cable
	Cable
	190 bar
	43 l/min
	84 dB

## TMM 20 ST5 - Dimensional drawing

Performances

Service brake

Rated speed

Miscellaneous

Type of drive control

Oil flow rate for attachments

Transmission type Engine

Engine brand / norm

Travel speed (laden / unladen)

Lifting speed (laden / unladen) Nominal pulling force (laden)

Lowering speed (laden / unladen)

Acceleration time (laden / unladen)

Engine power according to ISO 1585

Number of cylinders / Capacity of cylinders

Working hydraulic pressure for attachments

Sound level at the driver's ear according to DIN 12 053

Gradeability (laden / unladen)

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

4.32

4.34

4.35

5.1

5.2

5.5 5.3

5.7

5.10

5.9 5.11

7.1

7.2

7.3

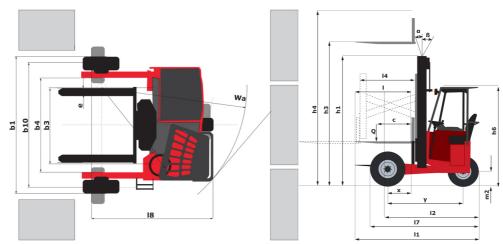
7.4

82

8.3

8.4

8.1



## 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)	Simple Reach	Pantograph reach in	kg	2000	2000
		Pantograph reach out with stabilizers	kg	1750	1750
		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
	e _	Pantograph & TF reach in	kg	2000	2000
	Double Reach	Pantograph & TF reach out with stabilizers	kg	1100	1100
201		Pantograph & TF reach out without stabilizers	kg	550	550



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