Technical sheet :

## **TMM 20 ST5**





	TMM 20 ST
Technical characteristics	
Manufacturer	
Model Name	
Reach out equipment	
Power source	
Operator type	
Max. capacity	Q
Load center of gravity	с
Load distance, centre of drive axle to fork	x
Wheelbase	у
Weight	
Service weight	
Weight on front axle (laden) / rear axle (laden)	
Weight on front axle (Unladen) / rear axle (Unladen)	
Wheels	
Tires type	
Dimensions of front wheels	
Dimensions of rear wheels	
Number of front wheels / rear wheels	
Drive wheels (front / rear)	
Front wheel gauge	b10
Dimensions	
Height of overhead guard (cabin)	h6
Seat height/stand height	h7
Overall length	11
Overall width	b1
Forks section / width / length	s / e / l
Fork carriage ISO 2328 (class/form) A/B	
Fork carriage width	b3
Distance between support arms	b4
Distance between wheel arms/loading surfaces	b4
Maximum horizontal extension at COG 600	14
Ground clearance at centre of wheelbase	m2
Aisle width for 800 x 1200 pallet lengthways	Ast
Turning radius	Wa
Performances	
Travel speed (laden / unladen)	
Lifting speed (laden / unladen)	
Nominal pulling force (laden)	
Lowering speed (laden / unladen)	
Gradeability (laden / unladen)	
Service brake	
Acceleration time (laden / unladen)	

20 ST 5	Created on May 3, 2024 at 9:29:25 PM UTC			
	Metric			
	MANITOU			
	TMM 20 ST5			
	Pantograph			
	Diesel			
	Seated			
Q	2000 kg			
с	500 mm			
x	490 mm			
у	1598 mm			
	2290 kg			
	3050 kg / 1240 kg			
	1050 kg / 1240 kg			
	Pneumatic			
	27x10-12 IC30			
	27x10-12 IC30			
	2/1			
	2/1			
b10	2151 mm			
510	2131 mm			
h6	2120 mm			
h7	1070 mm			
11	2650 mm			
b1	2406 mm			
/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			
	Kubota - Stage V			
	18.50 kW			
	3000 rpm			
	3 - 1123 cm³			
	Cable			
	190 bar			
	43 l/min			
	84 dB			

## TMM 20 ST5 - Dimensional drawing

Transmission type
Engine

Engine brand / norm

Rated speed

Miscellaneous

Type of drive control

Oil flow rate for attachments

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

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

7.4

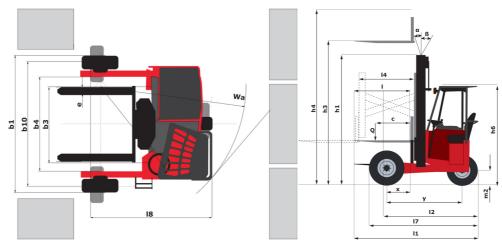
8.1

8.2

8.3

8.4

7.3



## 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)	Pantograp Pantograp Pantograp Telescop Telescop Telescop	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
	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



Head Office B.P. 249 - 430 rue de l'Aubinière 44150 Ancenis Cedex - France Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97 www.manitou.com



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes