Technical sheet :

TMM 20 ST5





		TMM 20 9
	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	
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	
4.7	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
4.25	Distance between support arms	b4
4.26	Distance between wheel arms/loading surfaces	b4
4.28	Maximum horizontal extension at COG 600	14
4.32	Ground clearance at centre of wheelbase	m2
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)	
5.5	Nominal pulling force (laden)	
5.3	Lowering speed (laden / unladen)	
5.7	Gradeability (laden / unladen)	
5.10	Service brake	
5.9	Acceleration time (laden / unladen)	
5.11	Transmission type	
	Engine	
7.1	Engine brand / norm	
7.2	Engine power according to ISO 1585	
7.3	Rated speed	
7.4	Number of cylinders / Capacity of cylinders	

Metric MANITOU TMM 20 ST5 Pantograph Diesel Seated Q 2000 kg c 500 mm x 490 mm y 1598 mm 2290 kg 3050 kg / 1240 kg 1050 kg / 1240 kg Pneumatic 27x10-12 IC30 2 / 1 2 / 1 b10 2151 mm
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27x10-12 IC30 27x10-12 IC30 2 / 1 2 / 1
27x10-12 IC30 27x10-12 IC30 2 / 1 2 / 1
27x10-121C30 2 / 1 2 / 1
2 / 1 2 / 1
2 / 1
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
Kubota - Stage V
18.50 kW
3000 rpm
3 - 1123 cm³
Cable 100 bor
190 bar
43 l/min
84 dB

TMM 20 ST5 - Dimensional drawing

Miscellaneous

Type of drive control

Oil flow rate for attachments

Working hydraulic pressure for attachments

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

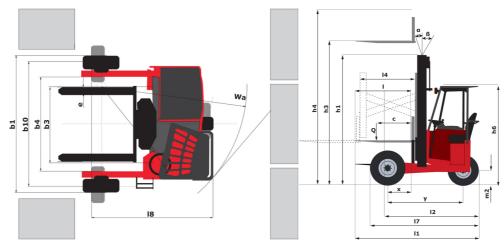
8.1

8.2

8.3

8.4

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



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
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
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
	Simple	h1 - Mast lowered height h3 - Mast lifting height h4 - Mast extended height Pantograph reach in Pantograph reach out with stabilizers Pantograph reach out without stabilizers Telescopic Forks reach out without stabilizers Pantograph & TF reach in Pantograph & TF reach in Pantograph & TF reach out with stabilizers	h1 - Mast lowered height mm h3 - Mast lifting height mm h4 - Mast extended height mm Pantograph reach in kg Pantograph reach out with stabilizers kg Pantograph reach out without stabilizers kg Telescopic Forks reach out with stabilizers kg Telescopic Forks reach out without stabilizers kg Pantograph & TF reach in kg Pantograph & TF reach in kg Pantograph & TF reach out with stabilizers kg	h1 - Mast lowered heightmm2352h3 - Mast lifting heightmm3000h4 - Mast extended heightmm4455Pantograph reach inkg2000Pantograph reach out with stabilizerskg1750Pantograph reach out without stabilizerskg1050Telescopic Forks reach inkg2000Telescopic Forks reach out with stabilizerskg1300Telescopic Forks reach out withoutkg1100Pantograph & TF reach inkg2000Pantograph & TF reach out with stabilizerskg1100



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