Technical sheet:

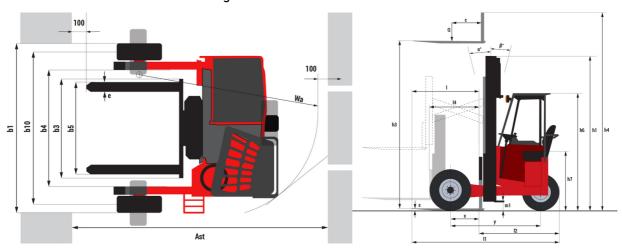
## **TMM 45 4W K ST5**





	Technical characteristics		Metric
1.1	Manufacturer		MANITOU
1.2	Model Name		TMM 45 4W K ST5
.2.1	Reach out equipment		Pantograph
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	2000 kg
1.6	Load center of gravity	С	500 mm
1.8	Load distance, centre of drive axle to fork	Х	490 mm
1.9	Wheelbase	у	1598 mm
	Weight		
	Standard mast reference of the machine		FVD 30
2.1	Service weight		2450 kg
2.2	Weight on front axle (laden) / rear axle (laden)		3180 kg / 1270 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1180 kg / 1270 kg
	Wheels		
3.1	Tires type		Pneumatic
3.2	Dimensions of front wheels		27x10-12 IC30
3.3	Dimensions of rear wheels		27x10-12 IC30
3.5	Number of front wheels / rear wheels		2 / 1
3.6	Front wheel gauge	b10	2143 mm
	Dimensions		
4.4	Max. lifting height	h3	3000 mm
4.7	Height of overhead guard (cabin)	h6	2120 mm
4.8	Seat height/stand height	h7	1070 mm
.19	Overall length	 I1	2650 mm
.21	Overall width	b1	2398 mm
.22	Forks section / width / length	s / e / l	40 mm x 122 mm x 1200 mm
.23	Fork carriage ISO 2328 (class/form) A/B	37671	2A
1.24	Fork carriage width	b3	1260 mm
1.26		b5	1165 mm
1.26	Distance between support arms	b4	1492 mm
1.28	Distance between wheel arms/loading surfaces	14	1492 mm
	Maximum horizontal extension at COG 600		
.32	Ground clearance at centre of wheelbase	m2	272 mm
.34	Aisle width for 800 x 1200 pallet lengthways	Ast	3363 mm
.35	Turning radius	Wa	2463 mm
	Performances		
5.1	Travel speed (laden / unladen)		10.60 km/h - 10.70 km/h
5.2	Lifting speed (laden / unladen)		0.26 m/s / 0.24 m/s
5.3	Lowering speed (laden / unladen)		0.38 m/s / 0.24 m/s
5.7	Gradeability (laden / unladen)		47 % / 48 %
5.9	Acceleration time (laden / unladen)		4.10 s / 2.60 s
5.10	Service brake		Hydraulic brakes by loss of pressure
	Transmission type		Hydrostatic
	Engine		
7.1	Engine brand / norm / model		Kubota - Stage V / D1105-E4B-MNT-2
7.2	I.C. Engine power rating		18.50 kW
7.3	Rated speed		3000 rpm
7.4	Number of cylinders / Capacity of cylinders		3 - 1123 cm³
	Miscellaneous		
B.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 45 4W K ST5 - Dimensional drawing



## Characteristics of masts and residual capacities

		-	
		h1 - Mast lowered height	mm
		h3 - Mast lifting height	mm
		h4 - Mast extended height	mm
ht &	Simple Reach	Pantograph reach in	kg
leigl		Pantograph reach out with stabilizers	kg
Ē		Pantograph reach out without stabilizers	kg
Éim (m)		Telescopic forks reach in	kg
Мау п		Telescopic Forks reach out with stabilizers	kg
Residual Capacity (Maximum Height & LC = 600 mm)		Telescopic Forks reach out without stabilizers	kg
- Ca	Double Reach	Pantograph & TF reach in	kg
idua		Pantograph & TF reach out with stabilizers	kg
Res		Pantograph & TF reach out without stabilizers	kg

FVD 30	FVD 36
2352	2702
3000	3600
4455	5055
2000	2000
1750	1750
1100	1050
2000	2000
1300	1300
1150	1100
2000	2000
1100	1100
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