

Technical sheet :

# MT 735 75D ST5



 **MANITOU**  
HANDLING YOUR WORLD

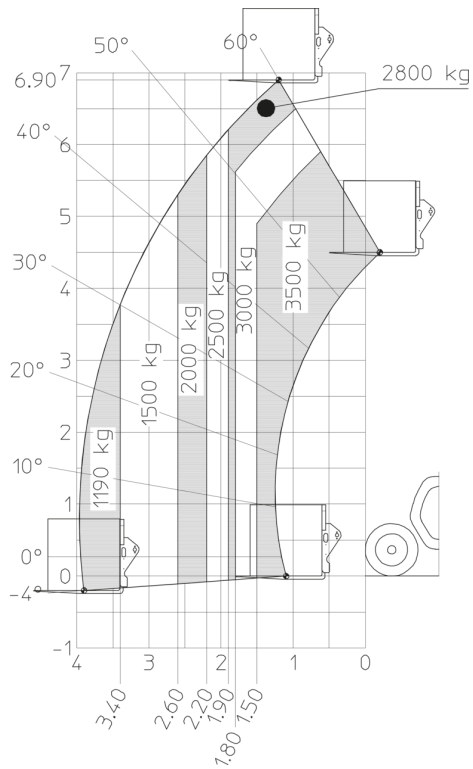
Capacities		Metric
Max. capacity		3500 kg
Max. lifting height		6.90 m
Max. outreach		4 m
Breakout force with bucket		6850 daN
Weight and dimensions		
Overall length to carriage	l11	4.70 m
Length to face of forks	l2	4.78 m
Overall length (with forks)	l1	5.98 m
Overall width	b1	2.27 m
Overall height	h17	2.48 m
Wheelbase	y	2.80 m
Ground clearance	m4	0.42 m
Overall cab width	b4	0.95 m
Tilt-up angle	a4	13 °
Tilt-down angle	a5	114 °
External turning radius	Wa3	3.78 m
External turning radius (over tyres)	Wa1	3.78 m
Unladen weight (with forks)		6930 kg
Unladen weight		6610 kg
Overall weight		6930 kg
Tires type		Pneumatic
Standard tires		ALLIANCE 400/80-24 162A8 A325
Standard tires		Alliance 400/80 - 24 -162A8
Forks length / width / section	l / e / s	1200 mm x 100 mm / 50 mm
Performances		
Lifting		5.90 s
Lowering		4.20 s
Extension		12.30 s
Retraction		4.70 s
Crowd		3.50 s
Dump		3.60 s
Engine		
Engine brand		Deutz
Engine norm		Stage V / Tier 4 Final
Engine model		TCD 3.6 L
Number of cylinders / Capacity of cylinders		4 - 2924 cm³
I.C. Engine power rating - Power		75 Hp / 55.40 kW
Max. torque / Engine rotation		375 Nm @ 1400 rpm
Drawbar pull (Laden)		7220 daN
HVO validated (according to EN 15940 standard)		Yes
Electric circuit		
12V Battery capacity		110 Ah
Transmission		
Transmission type		Torque converter
Number of gears (forward / reverse)		4 / 4
Max. travel speed		24.70 km/h
Parking brake		Automatic parking brake
Service brake		Hydraulic servo brake
Hydraulics		
Hydraulic pump type		Axial piston
Hydraulic Pressure		260 bar
Tank capacities		
Engine oil		8.50 l
Hydraulic oil		149 l
Fuel tank		137 l
Noise and vibration		
Noise at driving position (LpA)		77 dB
Noise to environment (LwA)		104 dB
Vibration on hands/arms		< 2.50 m/s²
Miscellaneous		
Steering wheels (front / rear)		2 / 2
Drive wheels (front / rear)		2 / 2
Safety / Safety cab homologation		Standard EN 15000 / ROPS - FOPS level 2 cab
Controls		JSM

## MT 735 75D ST5 - Dimensional drawing



## MT 735 75D ST5 - Load chart

Machine on tyres with forks Metric





**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](http://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