

Technical sheet :

# **MLT 733-115 ST4**

---



 **MANITOU**  
HANDLING YOUR WORLD

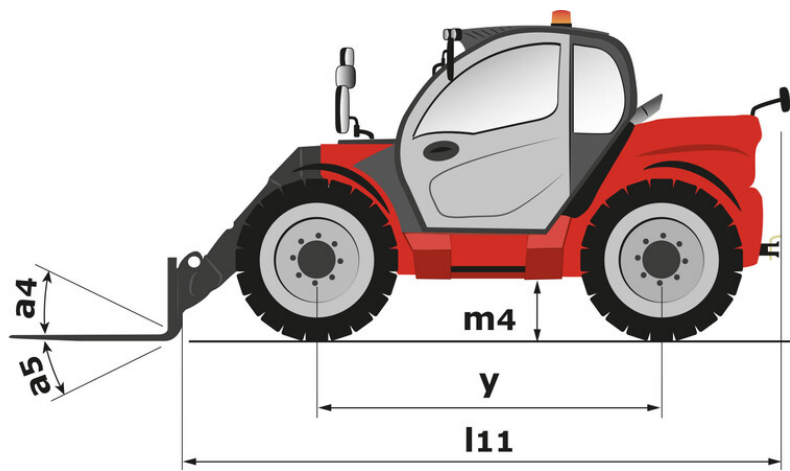
Capacities		Metric	Imperial
Max. capacity	Q	3300 kg	7275 lb
Max. lifting height	h3	6.90 m	22 ft 8 in
Max. outreach		3.90 m	12 ft 10 in
Reach at max. height		0.90 m	2 ft 11 in
Breakout force with bucket		5770 daN	5770 daN
Weight and dimensions			
Unladen weight (with forks)		7015 kg	15465 lb
Ground clearance	m4	0.44 m	1 ft 5 in
Wheelbase	y	2.81 m	9 ft 3 in
Overall length to carriage (with hitch)	l11	4.85 m	15 ft 11 in
Front overhang		1.21 m	4 ft
Overall width	b1	2.39 m	7 ft 10 in
Overall cab width	b4	0.95 m	3 ft 1 in
Overall height	h17	2.38 m	7 ft 10 in
Tilt-down angle	a5	134 °	134 °
Tilt-up angle	a4	13 °	13 °
External turning radius (over tyres)	Wa1	3.92 m	12 ft 10 in
Standard tires		Alliance - A580 - 460/70 R24 159A8	Alliance - A580 - 460/70 R24 159A8
Drive wheels (front / rear)		2 / 2	2 / 2
Steering wheels (front / rear)		2 / 2	2 / 2
Performances			
Lifting		6.75 s	6.75 s
Lowering		5.65 s	5.65 s
Extension		6.50 s	6.50 s
Retraction		3.90 s	3.90 s
Crowd		3.15 s	3.15 s
Dump		2.55 s	2.55 s
Engine			
Engine brand		Deutz	Deutz
Engine norm		Stage IV	Stage IV
Engine model		TCD 3.6 l	TCD 3.6 l
Number of cylinders - Capacity of cylinders		4 - 3621 cm³	4 - 221 in³
I.C. Engine power rating / Power		116 Hp / 85 kW	116 Hp / 85 kW
Max. torque / Engine rotation		410 Nm @1600 rpm	302 ft/lbs @1600 rpm
Drawbar pull (Laden)		7400 daN	7400 daN
Reversible fan		Option	Option
Engine cooling system		4 radiators (water + intercooler + hydraulic oil + transmission oil)	4 radiators (water + intercooler + hydraulic oil + transmission oil)
Transmission			
Transmission type		Torque converter	Torque converter
Gearbox		Powershuttle	Powershuttle
Number of gears (forward / reverse)		4 / 4	4 / 4
Max. travel speed (may vary according to applicable regulations)		32 km/h	20 mph
Differential lock		Limited slip differential on front axle	Limited slip differential on front axle
Parking brake		Manual	Manual
Service brake		Oil-immersed multi-discs on front & rear axles	Oil-immersed multi-discs on front & rear axles
Hydraulics			
Hydraulic pump type		Gear pump	Gear pump
Hydraulic flow - Pressure		104 l/min - 250 bar	27 US gpm - 3626 PSI
Tank capacities			
Hydraulic oil		135 l	36 US gal
Fuel tank		120 l	32 US gal
Diesel Exhaust fluid (AdBlue® type)		10 l	3 US gal
Noise and vibration			
Noise at driving position (LpA) tested following NF EN 12053 norm		76 dB	76 dB
Noise to environment (LwA)		105 dB	105 dB
Vibration to whole hand/arm		< 2.50 m/s²	< 2.50 m/s²
Miscellaneous			
Tractor homologation		Tractor homologation	Tractor homologation
Safety cab homologation		ROPS - FOPS level 2 cab	ROPS - FOPS level 2 cab
Controls		JSM	JSM

Options / Finishing

S : Standard / O : Optional / - : Not available

	Classic	Premium
Lifting function		
Easy Connect System (ECS)	S	S
Electrovalve for 2 hydraulic functions (on boom head)	O	O
Hydraulic attachment locking	O	O
Return pipe to hydraulic oil tank	O	O
Operator station		
"Active CRC" boom suspension	O	O
Air conditioning with automatic adjustment	O	O
Air conditioning with manual adjustment	O	S
Air suspension cloth-covered seat	O	-
Air suspension cloth-covered seat (GRAMMER)	O	S
Bluetooth USB car radio with extra microphone (100 W)	O	O
Bluetooth USB car radio with integrated microphone (100 W)	O	S
Extra front wiper	O	S
Harmony screen	S	S
Lateral wiper	O	O
Low frequency air suspension cloth seat with heating	O	O
Mechanical cloth-covered seat (GRAMMER)	S	-
Tuner car radio (50 W)	S	-
Motorization/Power		
Continuous flow hydraulics	O	O
Self cleaning air prefilter	S	S
Secondary functions		
1 pair of pre-fitted Double Action rear hydraulic couplers	O	O
Additional fuel tank (25 l)	O	O
Automatic rotating towing hitch on counterweight	O	O
Hydraulic pick-up hitch	O	O
Hydraulic trailer brake	S	S
Ladder hitch with choice of hooks	O	O
Lighting		
Boom Work Lights (on fixed part) (x2)	O	O
Front and rear LED work lights on cab (x4 : 2 front + 2 rear)	O	S
Front and rear work lights on cab (x4)	S	-
Security		
Audio warning on reverse	O	O

MLT 733-115 ST4 - Dimensional drawing





**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