

Technical sheet :

MLT 733-115 ST4



 **MANITOU**
HANDLING YOUR WORLD

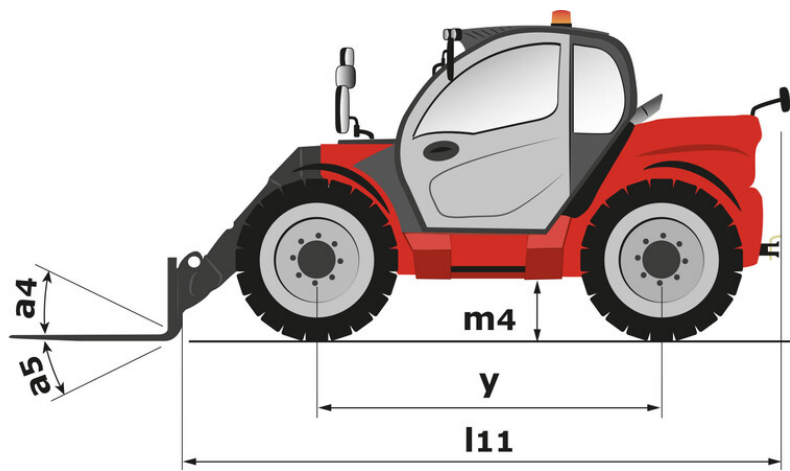
| Capacities | | Metric | Imperial |
|---|-----|--|--|
| Max. capacity | Q | 3300 kg | 7275 lb |
| Max. lifting height | h3 | 6.90 m | 22 ft 8 in |
| Max. outreach | | 3.90 m | 12 ft 10 in |
| Reach at max. height | | 0.90 m | 2 ft 11 in |
| Breakout force with bucket | | 5770 daN | 5770 daN |
| Weight 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



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