

Fiche technique :

# **MLT-X 735 T LSU**

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 **MANITOU**  
HANDLING YOUR WORLD

| Capacities                                                        |     | Métrique                                       |
|-------------------------------------------------------------------|-----|------------------------------------------------|
| Max. capacity                                                     | Q   | 3500 kg                                        |
| Max. lifting height                                               | h3  | 6.90 m                                         |
| Max. outreach                                                     |     | 3.90 m                                         |
| Reach at max. height                                              |     | 1 m                                            |
| Breakout force with bucket                                        |     | 6825 daN                                       |
| Weight and dimensions                                             |     |                                                |
| Unladen weight (with forks)                                       |     | 7075 kg                                        |
| Ground clearance                                                  | m4  | 0.44 m                                         |
| Wheelbase                                                         | y   | 2.81 m                                         |
| Overall length to carriage (with hitch)                           | l11 | 4.79 m                                         |
| Overall length to carriage (without hitch)                        | l3  | 4.76 m                                         |
| Front overhang                                                    |     | 1.19 m                                         |
| Overall width                                                     | b1  | 2.40 m                                         |
| Overall cab width                                                 | b4  | 0.98 m                                         |
| Overall height                                                    | h17 | 2.30 m                                         |
| Tilt-down angle                                                   | a5  | 134 °                                          |
| Tilt-up angle                                                     | a4  | 13 °                                           |
| External turning radius (over tyres)                              | Wa1 | 3.86 m                                         |
| Standard tires                                                    |     | Alliance - A580 - 460/70 R24 159A8             |
| Drive wheels (front / rear)                                       |     | 2 / 2                                          |
| Steering wheels (front / rear)                                    |     | 2 / 2                                          |
| Performances                                                      |     |                                                |
| Lifting                                                           |     | 7.30 s                                         |
| Lowering                                                          |     | 5.60 s                                         |
| Extension                                                         |     | 8.20 s                                         |
| Retraction                                                        |     | 6.60 s                                         |
| Crowd                                                             |     | 3.20 s                                         |
| Dump                                                              |     | 2.70 s                                         |
| Engine                                                            |     |                                                |
| Engine brand                                                      |     | Perkins                                        |
| Engine nom                                                        |     | Stage IIIA                                     |
| Max. fuel sulphur content                                         |     | 5000 ppm                                       |
| Engine model                                                      |     | 1104D-44 TA                                    |
| Number of cylinders - Capacity of cylinders                       |     | 4 - 4400 cm³                                   |
| I.C. Engine power rating / Power                                  |     | 101 Hp / 74.50 kW                              |
| Max. torque / Engine rotation                                     |     | 410 Nm @1400 rpm                               |
| Drawbar pull (Laden)                                              |     | 8200 daN                                       |
| Reversible fan                                                    |     | Standard                                       |
| Transmission                                                      |     |                                                |
| Transmission type                                                 |     | Torque converter                               |
| Gearbox                                                           |     | Powershuttle                                   |
| Number of gears (forward / reverse)                               |     | 4 / 4                                          |
| Max. travel speed (may vary according to applicable regulations)  |     | 35 km/h                                        |
| Differential lock                                                 |     | Limited slip differential on front axle        |
| Parking brake                                                     |     | Manual                                         |
| Service brake                                                     |     | Oil-immersed multi-discs on front & rear axles |
| Hydraulics                                                        |     |                                                |
| Hydraulic pump type                                               |     | Variable displacement pump                     |
| Hydraulic flow - Pressure                                         |     | 108 l/min - 270 bar                            |
| Flow sharing distributor                                          |     | Standard                                       |
| Tank capacities                                                   |     |                                                |
| Hydraulic oil                                                     |     | 135 l                                          |
| Fuel tank                                                         |     | 120 l                                          |
| Noise and vibration                                               |     |                                                |
| Noise at driving position (LpA) tested following NF EN 12053 norm |     | 76 dB                                          |
| Noise to environment (LwA)                                        |     | 104 dB                                         |
| Vibration to whole hand/arm                                       |     | < 2.50 m/s²                                    |
| Miscellaneous                                                     |     |                                                |
| Tractor homologation                                              |     |                                                |
| Controls                                                          |     | JSM                                            |

## Optional tires tab

### Optional tires

FIRESTONE - R8000 UT - 460/70 R24 159A8

NOKIAN - TRI STEEL - 460/65 R24 156A8

MICHELIN - XHA - 15.5 R25 158A2

### Overall height

2.30 m

2.27 m

2.28 m

### Overall width

2.40 m

2.38 m

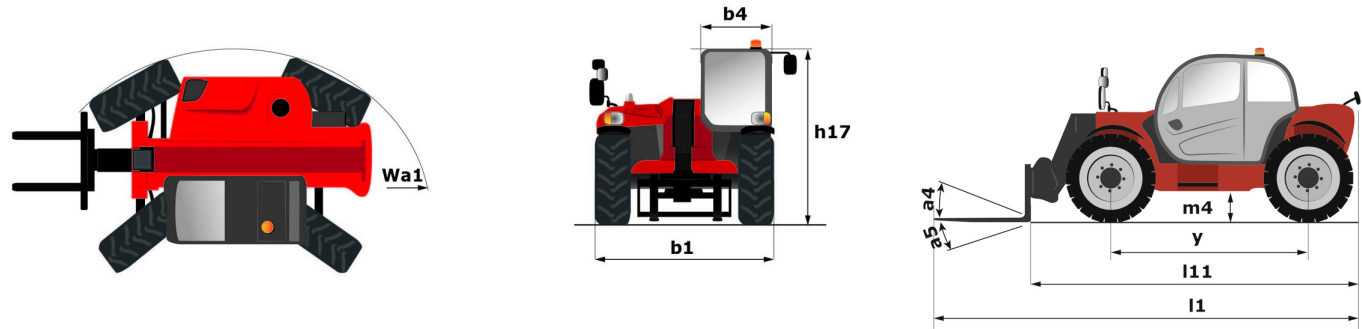
2.38 m

Options / finitions

S : Standard / O : Option / - : Non disponible

|                                                               | Classic | Premium | Elite |
|---------------------------------------------------------------|---------|---------|-------|
| Lifting function                                              |         |         |       |
| Boom suspension                                               | O       | O       | S     |
| Electric predisposition on the top of the boom                | O       | O       | O     |
| Electrovalve for 2 hydraulic functions (on boom head)         | O       | O       | O     |
| Hydraulic attachment locking                                  | O       | O       | O     |
| Return pipe to hydraulic oil tank                             | O       | O       | O     |
| Operator station                                              |         |         |       |
| Air conditioning with manual adjustment                       | O       | S       | S     |
| Air suspension cloth-covered seat                             | O       | S       | -     |
| Bluetooth CD MP3 radio                                        | O       | O       | S     |
| CD MP3 car radio                                              | O       | S       | -     |
| Cyclonic air pre-filter                                       | S       | S       | O     |
| Low frequency air suspension cloth seat with heating          | O       | O       | S     |
| Mechanical cloth-covered seat                                 | S       | -       | -     |
| Tuner car radio (50 W)                                        | S       | -       | -     |
| Motorization/Power                                            |         |         |       |
| Attachment hydraulic flow control system                      | O       | O       | O     |
| Continuous flow hydraulics                                    | O       | O       | O     |
| Self cleaning air prefilter                                   | O       | O       | S     |
| Secondary functions                                           |         |         |       |
| 1 pair of pre-fitted Double Action rear hydraulic couplers    | O       | O       | O     |
| Automatic rotating towing hitch on counterweight              | O       | O       | O     |
| Manual rotating towing hitch                                  | S       | S       | S     |
| Lighting                                                      |         |         |       |
| Front and rear LED work lights on cab (x4 : 2 front + 2 rear) | O       | O       | O     |
| Work lights on boom head (x2)                                 | O       | O       | O     |
| Security                                                      |         |         |       |
| Audio warning on reverse                                      | O       | O       | O     |

MLT-X 735 T LSU - Schémas d'encombrement





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