Technical sheet:

# **MLT-X 735 T LSU**





|   | MLT-X 735 T LSU | Created on May 5, 2024 at 8:54:39 PM U         |
|---|-----------------|--|
| Capacities  |                 | Metric   |
| 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   | у               | 2.81 m   |
| Overall length to carriage (with hitch)                           | )<br>I11        | 4.79 m   |
| Overall length to carriage (without hitch)                        | 13              | 4.76 m   |
| Front overhang  | 10              | 1.19 m   |
| Overall width   | b1              | 2.40 m   |
| Overall cab width   | b4              | 0.98 m   |
|   | h17             |  |
| Overall height  |                 | 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 norm   |                 | Stage IIIA                                     |
| Max. fuel sulphur content   |                 | 5000 ppm                                       |
| Engine model  |                 | 1104D-44 TA                                    |
| Number of cylinders - Capacity of cylinders                       |                 | 4 - 4400 cm <sup>3</sup>                       |
| 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  |                 | Variable disc.                                 |
| Hydraulic pump type   |                 | Variable displacement pump                     |
| Hydraulic flow - Pressure   |                 | 108 l/min - 270 bar                            |
| Flow sharing distributor  |                 | Standard                                       |
| Tank capacities   |                 |  |
| Hydraulic oil   |                 | 135 I  |
| 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                          | Overall height | Overall width |
|---|----------------|---------------|
| FIRESTONE - R8000 UT - 460/70 R24 159A8 | 2.30 m         | 2.40 m        |
| NOKIAN - TRI STEEL - 460/65 R24 156A8   | 2.27 m         | 2.38 m        |
| MICHELIN - XHA - 15 5 R25 158A2         | 2.28 m         | 2 38 m        |

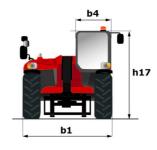
## Options / Finishing

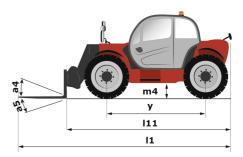
S: Standard / O: Optional / -: Not available

| Lifting function         O         O           Boom suspension         0         0           Electric predisposition on the top of the boom         0         0           Electric predisposition on the top of the boom         0         0           Phydraulic functions (on boom head)         0         0           Hydraulic attachment locking         0         0           Return pipe to hydraulic oil tank         0         0           Operator station         0         \$           Air conditioning with manual adjustment         0         \$           Air suspension cloth-covered seat         0         \$           Air suspension cloth-covered seat         0         0           CD MP3 car radio         0         0           Cyclonic air pre-filter         \$         \$           Low frequency air suspension cloth seat with heating         0         0           Mechanical cloth-covered seat         \$         \$           Low frequency air suspension cloth seat with heating         0         0           Mechanical cloth-covered seat         \$         \$           Low frequency air suspension cloth seat with heating         0         0           Moforization/Fower         \$         \$         -   |  | Classic | Premium  |  |
|--|--|---------|----------|--|
| Electric predisposition on the top of the boom  Electrovalve for 2 hydraulic functions (on boom head)  O O O O O O O O O O O O O O O O O O O   | Lifting function   |         |          |  |
| Electrovalve for 2 hydraulic functions (on boom head)  Hydraulic attachment locking  Return pipe to hydraulic oil tank  O  O  O  Return pipe to hydraulic oil tank  O  O  O  O  Return pipe to hydraulic oil tank  O  Air conditioning with manual adjustment  Air suspension cloth-covered seat  O  SI  Bluetooth CD MP3 radio  CD MP3 radio  CD MP3 car radio  CD MP4 car radio  CD MP5 car radio  CD MP6 car radio  CD MP6 car radio  CD MP7 car radio (SD M)  CD Mechanical cloth-covered seat  SS  -  Tuner car radio (SD W)  SS  -  Tuner car radio (SD W)  COntinuous flow hydraulics  CO  Continuous flow hydraulics  CO  COITINUOUS flow hydraulic couplers  CO  CO  COITINUOUS flow hydraulic couplers  CO  CO  CO  CO  CO  CO  CO  CO  CO  C  | Boom suspension  | 0       | 0        |  |
| Hydraulic attachment locking   | Electric predisposition on the top of the boom             | 0       | 0        |  |
| Return pipe to hydraulic oil tank         0         0           Operator station         Committed in the pipe to hydraulic oil tank         0         S           Air conditioning with manual adjustment         0         S           Air suspension cloth-covered seat         0         S           Bluetooth CD MP3 radio         0         0           CD MP3 car radio         0         S           Cyclonic air pre-filter         S         S           Low frequency air suspension cloth seat with heating         0         O           Mechanical cloth-covered seat         S         -           Tuner car radio (50 W)         S         -           Mechanical cloth-covered seat         S         -           Tuner car radio (50 W)         S         -           Motorization/Power         S         -           Attachment hydraulic flow control system         0         O           Continuous flow hydraulics         0         O           Self cleaning air prefilter         0         O           Security         0         O           Jair pair of pre-fitted Double Action rear hydraulic couplers         0         O           Automatic rotating towing hitch on counterweight         S         S   | Electrovalve for 2 hydraulic functions (on boom head)      | 0       | 0        |  |
| Operator station         Air conditioning with manual adjustment         0         \$           Air suspension cloth-covered seat         0         \$           Bluetooth CD MP3 radio         0         0           CD MP3 car radio         0         \$           Cyclonic air pre-filter         \$         \$           Low frequency air suspension cloth seat with heating         0         0           Mechanical cloth-covered seat         \$         -           Tuner car radio (50 W)         \$         -           Motorization/Power         ***         ***           Attachment hydraulic flow control system         0         0           Continuous flow hydraulics         0         0           Self cleaning air prefilter         0         0           Secondary functions         0         0           1 pair of pre-fitted Double Action rear hydraulic couplers         0         0           Automatic rotating towing hitch on counterweight         0         0           Manual rotating towing hitch         \$         \$           Lighting         ***         ***           Front and rear LED work lights on cab (x4 : 2 front + 2 rear)         0         0           Work lights on boom head (x2)         0   | Hydraulic attachment locking                               | 0       | 0        |  |
| Air conditioning with manual adjustment       0       \$         Air suspension cloth-covered seat       0       \$         Bluetooth CD MP3 radio       0       0         CD MP3 car radio       0       \$         CD MP3 car radio       0       \$         COV plonic air pre-filter       \$       \$         Low frequency air suspension cloth seat with heating       0       0         Mechanical cloth-covered seat       \$       -         Tuner car radio (50 W)       \$       -         Motorization/Power       S       -         Attachment hydraulic flow control system       0       0         Continuous flow hydraulics       0       0         Self cleaning air prefilter       0       0         Secondary functions       0       0         1 pair of pre-fitted Double Action rear hydraulic couplers       0       0         Automatic rotating towing hitch on counterweight       0       0         Manual rotating towing hitch       \$       \$         Italities       \$       \$         Front and rear LED work lights on cab (x4:2 front + 2 rear)       0       0         Work lights on boom head (x2)       0       0   | Return pipe to hydraulic oil tank                          | 0       | 0        |  |
| Air suspension cloth-covered seat  Bluetooth CD MP3 radio  CD MP3 car radio  Cyclonic air pre-filter  Cyclonic air pre-filter  Low frequency air suspension cloth seat with heating  Cyclonic air pre-filter  Cyclonic air pr | Operator station   |         |          |  |
| Bluetooth CD MP3 radio   | Air conditioning with manual adjustment                    | 0       | S        |  |
| CD MP3 car radio  Cyclonic air pre-filter  Low frequency air suspension cloth seat with heating  O  Mechanical cloth-covered seat  Tuner car radio (50 W)  Motofization/Power  Attachment hydraulic flow control system  Continuous flow hydraulics  Self cleaning air prefilter  Secondary functions  1 pair of pre-fitted Double Action rear hydraulic couplers  Automatic rotating towing hitch on counterweight  Manual rotating towing hitch  S  Lighting  Front and rear LED work lights on cab (x4 : 2 front + 2 rear)  Work lights on boom head (x2)  Security   | Air suspension cloth-covered seat                          | 0       | S        |  |
| Cyclonic air pre-filter  Low frequency air suspension cloth seat with heating  Mechanical cloth-covered seat  Tuner car radio (50 W)  Motorization/Power  Attachment hydraulic flow control system  Continuous flow hydraulics  Self cleaning air prefilter  Secondary functions  1 pair of pre-fitted Double Action rear hydraulic couplers  Automatic rotating towing hitch on counterweight  Manual rotating towing hitch on counterweight  Front and rear LED work lights on cab (x4 : 2 front + 2 rear)  Work lights on boom head (x2)  Security  S S S S S S S S S S S S S S S S S S S   | Bluetooth CD MP3 radio                                     | 0       | 0        |  |
| Low frequency air suspension cloth seat with heating 0 0 0 Mechanical cloth-covered seat S - C - C - C - C - C - C - C - C - C -   | CD MP3 car radio   | 0       | S        |  |
| Mechanical cloth-covered seat  Tuner car radio (50 W)  Motorization/Power  Attachment hydraulic flow control system  Continuous flow hydraulics  Continuous flow hydraulic | Cyclonic air pre-filter                                    | S       | S        |  |
| Tuner car radio (50 W)  Motorization/Power  Attachment hydraulic flow control system  Continuous flow hydraulics   | Low frequency air suspension cloth seat with heating       | 0       | 0        |  |
| Motorization/Power     0     0       Attachment hydraulic flow control system     0     0       Continuous flow hydraulics     0     0       Self cleaning air prefilter     0     0       Secondary functions     0     0       1 pair of pre-fitted Double Action rear hydraulic couplers     0     0       Automatic rotating towing hitch on counterweight     0     0       Manual rotating towing hitch     S     S       Lighting     S     S       Front and rear LED work lights on cab (x4:2 front + 2 rear)     0     0       Work lights on boom head (x2)     0     0       Security     0     0  |  | S       | -        |  |
| Attachment hydraulic flow control system       0       0         Continuous flow hydraulics       0       0         Self cleaning air prefilter       0       0         Secondary functions       0       0         1 pair of pre-fitted Double Action rear hydraulic couplers       0       0         Automatic rotating towing hitch on counterweight       0       0         Manual rotating towing hitch       \$       \$         Ighting       0       0         Front and rear LED work lights on cab (x4: 2 front + 2 rear)       0       0         Work lights on boom head (x2)       0       0         Security       0       0   | Tuner car radio (50 W)                                     | S       | <u> </u> |  |
| Continuous flow hydraulics 0 0 0  Self cleaning air prefilter 0 0 0  Secondary functions  1 pair of pre-fitted Double Action rear hydraulic couplers 0 0 0  Automatic rotating towing hitch on counterweight 0 0 0  Manual rotating towing hitch because the first of the | Motorization/Power   |         |          |  |
| Self cleaning air prefilter     0     0       Secondary functions     0     0       1 pair of pre-fitted Double Action rear hydraulic couplers     0     0       Automatic rotating towing hitch on counterweight     0     0       Manual rotating towing hitch     \$     \$       Lighting     0     0       Front and rear LED work lights on cab (x4:2 front + 2 rear)     0     0       Work lights on boom head (x2)     0     0       Security     0     0   | Attachment hydraulic flow control system                   | 0       | 0        |  |
| Secondary functions     0     0       1 pair of pre-fitted Double Action rear hydraulic couplers     0     0       Automatic rotating towing hitch on counterweight     0     0       Manual rotating towing hitch     \$     \$       Lighting     ***     ***       Front and rear LED work lights on cab (x4: 2 front + 2 rear)     0     0       Work lights on boom head (x2)     0     0       Security     ***     ***  | Continuous flow hydraulics                                 | 0       | 0        |  |
| 1 pair of pre-fitted Double Action rear hydraulic couplers  Automatic rotating towing hitch on counterweight  O  Manual rotating towing hitch  S  S  Lighting  Front and rear LED work lights on cab (x4: 2 front + 2 rear)  Work lights on boom head (x2)  Security  O  O  O  Security  | Self cleaning air prefilter                                | 0       | 0        |  |
| Automatic rotating towing hitch on counterweight 0 0 0  Manual rotating towing hitch S S S  Lighting  Front and rear LED work lights on cab (x4:2 front + 2 rear) 0 0  Work lights on boom head (x2) 0 0  Security   | Secondary functions  |         |          |  |
| Manual rotating towing hitch S S  Lighting  Front and rear LED work lights on cab (x4: 2 front + 2 rear)  Work lights on boom head (x2)  Security  S S  S  O  O  O  Security   | 1 pair of pre-fitted Double Action rear hydraulic couplers | 0       | 0        |  |
| Lighting Front and rear LED work lights on cab (x4:2 front + 2 rear)  Work lights on boom head (x2)  Security  O  O  O  Security   | Automatic rotating towing hitch on counterweight           | 0       | 0        |  |
| Front and rear LED work lights on cab (x4:2 front + 2 rear)  Work lights on boom head (x2)  Security  0  0  0  0  0  | * *  | S       | S        |  |
| Work lights on boom head (x2) 0 0 Security   |  |         |          |  |
| Security   | , , ,  |         |          |  |
|  |  | 0       | 0        |  |
| Audio waming on reverse 0 0  | •  |         |          |  |
|  | Audio warning on reverse                                   | 0       | 0        |  |

#### MLT-X 735 T LSU - Dimensional drawing











#### **Head Office**

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