

Technical sheet :

# **MLT-X 1040-140 PS+ L**

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 **MANITOU**  
HANDLING YOUR WORLD

| Capacities  |     | Metric   | Imperial   |
|---|-----|--|--|
| Max. capacity   | Q   | 4000 kg  | 8818 lb  |
| Max. lifting height   | h3  | 9.60 m   | 31 ft 6 in   |
| Maximum outreach  |     | 6.55 m   | 21 ft 6 in   |
| Reach at max. height  |     | 1.50 m   | 4 ft 11 in   |
| Breakout force with bucket  |     | 5500 daN   | 5500 daN   |
| Weight and dimensions   |     |  |  |
| Unladen weight (with forks)                                       |     | 9175 kg  | 20227 lb   |
| Ground clearance  | m4  | 0.42 m   | 1 ft 5 in  |
| Wheelbase   | y   | 2.88 m   | 9 ft 5 in  |
| Overall length to carriage (with hitch)                           | l11 | 5.17 m   | 17 ft  |
| Front overhang  |     | 1.26 m   | 4 ft 2 in  |
| Overall width   | b1  | 2.39 m   | 7 ft 10 in   |
| Overall cab width   | b4  | 1 m  | 3 ft 3 in  |
| Overall height  | h17 | 2.38 m   | 7 ft 10 in   |
| Tilt-down angle   | a5  | 135 °  | 135 °  |
| Tilt-up angle   | a4  | 12 °   | 12 °   |
| External turning radius (over tyres)                              | Wa1 | 3.74 m   | 12 ft 3 in   |
| Standard tires  |     | Trelleborg - TH400 - 460/70 R24 159A8                                | Trelleborg - TH400 - 460/70 R24 159A8                                |
| Drive wheels (front / rear)                                       |     | 2 / 2  | 2 / 2  |
| Steering wheels (front / rear)                                    |     | 2 / 2  | 2 / 2  |
| Performances  |     |  |  |
| Lifting   |     | 8.30 s   | 8.30 s   |
| Lowering  |     | 5.40 s   | 5.40 s   |
| Extension   |     | 11.30 s  | 11.30 s  |
| Retraction  |     | 9 s  | 9 s  |
| Crowd   |     | 3.80 s   | 3.80 s   |
| Dump  |     | 2.60 s   | 2.60 s   |
| Engine  |     |  |  |
| Engine brand  |     | John Deere   | John Deere   |
| Engine norm   |     | Stage IIIA   | Stage IIIA   |
| Engine model  |     | PWL 4045   | PWL 4045   |
| Number of cylinders - Capacity of cylinders                       |     | 4 - 4500 cm³   | 4 - 275 in³  |
| I.C. Engine power rating / Power                                  |     | 137 Hp / 102 kW  | 137 Hp / 102 kW  |
| Max. torque / Engine rotation                                     |     | 545 Nm @1500 rpm   | 402 ft/lbs @1500 rpm   |
| Drawbar pull (Laden)  |     | 9300 daN   | 9300 daN   |
| Reversible fan  |     | Standard   | Standard   |
| 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   |     | M-Shift  | M-Shift  |
| Number of gears (forward / reverse)                               |     | 5 / 3  | 5 / 3  |
| Max. travel speed (may vary according to applicable regulations)  |     | 40 km/h  | 25 mph   |
| Differential lock   |     | Limited slip differential on front and rear axles                    | Limited slip differential on front and rear axles                    |
| Parking brake   |     | Automatic negative parking brake                                     | Automatic negative parking brake                                     |
| Service brake   |     | Oil-immersed multi-discs on front & rear axles                       | Oil-immersed multi-discs on front & rear axles                       |
| Hydraulics  |     |  |  |
| Hydraulic pump type   |     | Variable displacement pump   | Variable displacement pump   |
| Hydraulic flow - Pressure   |     | 200 l/min - 270 bar  | 53 US gpm - 3916 PSI   |
| Flow sharing distributor  |     | Standard   | Standard   |
| Tank capacities   |     |  |  |
| Hydraulic tank capacity   |     | 156 l  | 41 US gal  |
| Fuel tank   |     | 126 l  | 33 US gal  |
| Noise and vibration   |     |  |  |
| Noise at driving position (LpA) tested following NF EN 12053 norm |     | 74 dB  | 74 dB  |
| Noise to environment (LwA)  |     | 105 dB   | 105 dB   |
| Vibration on hands/arms   |     | < 2.50 m/s²  | < 2.50 m/s²  |
| Miscellaneous   |     |  |  |
| Tractor homologation  |     | Tractor homologation   | Tractor homologation   |
| Cab certification   |     | Cabin ROPS - FOPS level 2  | Cabin ROPS - FOPS level 2  |
| Controls  |     | JSM  | JSM  |

## Options / Finishing

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

|   | Classic | Premium | Elite |
|---|---------|---------|-------|
| <b>Lifting function</b>                                       |         |         |       |
| 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     |
| Intelligent hydraulics  | O       | O       | S     |
| Regenerative Hydraulics                                       | O       | S       | S     |
| Return pipe to hydraulic oil tank                             | O       | O       | O     |
| <b>Operator station</b>                                       |         |         |       |
| Air conditioning with manual adjustment                       | O       | S       | S     |
| Air suspension fabric seat - GRAMMER                          | O       | S       | -     |
| Automatic wheel alignment                                     | O       | O       | S     |
| Bluetooth USB radio - With extra microphone - 100W            | O       | O       | S     |
| Bluetooth USB radio - With integrated microphone - 100W       | O       | S       | -     |
| Boom suspension - "Active CRC"                                | O       | O       | S     |
| Exterior right electric rear-view mirror with de-icing        | O       | O       | S     |
| Hand throttle with engine memo                                | O       | O       | S     |
| Lateral wiper   | S       | S       | S     |
| Mechanical cloth-covered seat (GRAMMER)                       | S       | -       | -     |
| Roof wiper  | S       | S       | S     |
| Tuner car radio - 50W   | S       | -       | -     |
| <b>Motorization/Power</b>                                     |         |         |       |
| Continuous flow hydraulics                                    | O       | O       | S     |
| <b>Secondary functions</b>                                    |         |         |       |
| 1 pair of pre-fitted Double Action rear hydraulic couplers    | O       | O       | O     |
| Automatic rotating towing hitch on counterweight              | O       | O       | O     |
| Hydraulic trailer brake                                       | O       | O       | O     |
| Manual rotating towing hitch                                  | S       | S       | S     |
| <b>Lighting</b>   |         |         |       |
| Front and rear LED work lights on cab (x4 : 2 front + 2 rear) | -       | S       | S     |
| Front and rear work lights on cab (x4)                        | S       | -       | -     |
| LED + (4 additional work lights)                              | O       | O       | S     |
| <b>Security</b>   |         |         |       |
| Audio warning on reverse                                      | O       | O       | O     |
| Rear windscreen defrost                                       | S       | S       | S     |



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