Technical sheet:

## MLT 635-140 V+ ST4





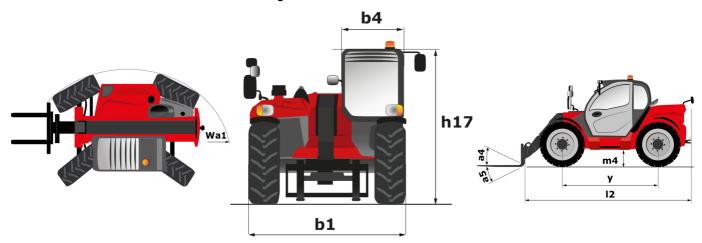
|   |     |   | reated on April 19, 2024 at 12:39:49 AM         |  |
|---|-----|---|---|--|
| Capacities  |     | Metric  | Imperial  |  |
| Max. capacity   | Q   | 3500 kg   | 7716 lb   |  |
| Max. lifting height   | h3  | 6.08 m  | 19 ft 11 in                                     |  |
| Max. outreach   |     | 3.20 m  | 10 ft 6 in                                      |  |
| Reach at max. height  |     | 0.60 m  | 2 ft  |  |
| Breakout force with bucket  |     | 5004 daN  | 5004 daN  |  |
| Weight and dimensions   |     |   |   |  |
| Jnladen weight (with forks)                                       |     | 7405 kg   | 16325 lb  |  |
| Ground clearance  | m4  | 0.41 m  | 1 ft 4 in                                       |  |
| Wheelbase   | у   | 2.60 m  | 8 ft 6 in                                       |  |
| Overall length to carriage (with hitch)                           | J11 | 4.66 m  | 15 ft 3 in                                      |  |
| Front overhang  |     | 1.11 m  | 3 ft 8 in                                       |  |
| Overall width   | b1  | 2.39 m  | 7 ft 10 in                                      |  |
| Overall cab width   | b4  | 0.95 m  | 3 ft 1 in                                       |  |
|   |     |   | 7 ft 10 in                                      |  |
| Overall height  | h17 | 2.38 m  |   |  |
| Filt-down angle   | a5  | 134 °   | 134 °   |  |
| Filt-up angle   | a4  | 12 °  | 12 °  |  |
| External turning radius (over tyres)                              | Wa1 | 3.77 m  | 12 ft 4 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   |     | 7.10 s  | 7.10 s  |  |
| Lowering  |     | 5.10 s  | 5.10 s  |  |
| Extension   |     | 6 s   | 6 s   |  |
| Retraction  |     | 4.50 s  | 4.50 s  |  |
| Crowd   |     | 3 s   | 3 s   |  |
| Dump  |     | 2.40 s  | 2.40 s  |  |
| Engine  |     |   |   |  |
| Engine brand  |     | Deutz   | Deutz   |  |
| Engine norm   |     | Stage IV  | Stage IV  |  |
| Engine model  |     | TCD 3.6 I                                       | TCD 3.6 I                                       |  |
| Number of cylinders - Capacity of cylinders                       |     | 4 - 3621 cm³                                    | 4 - 221 in³                                     |  |
| I.C. Engine power rating / Power                                  |     | 136 Hp / 100 kW                                 | 136 Hp / 100 kW                                 |  |
| Max. torque / Engine rotation                                     |     | 500 Nm @1600 rpm                                | 369 ft/lbs @1600 rpm                            |  |
|   |     | 6800 daN  | 6800 daN  |  |
| Drawbar pull (Laden)  |     |   |   |  |
| Reversible fan  |     | Standard  | Standard  |  |
| Engine cooling system   |     | 3 radiators water + intercooler + hydraulic oil | 3 radiators water + intercooler + hydraulic oil |  |
| Transmission  |     |   |   |  |
| Transmission type   |     | M-Vario Plus                                    | M-Vario Plus                                    |  |
| Max. travel speed (may vary according to applicable regulations)  |     | 40 km/h   | 25 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   |     | Variable displacement pump                      | Variable displacement pump                      |  |
| Hydraulic flow - Pressure   |     | 170 l/min - 270 bar                             | 45 US gpm - 3916 PSI                            |  |
| Flow sharing distributor  |     | Standard  | Standard  |  |
| Tank capacities   |     |   |   |  |
| Hydraulic oil   |     | 135   | 36 US gal                                       |  |
| Fuel tank   |     | 120   | 32 US gal                                       |  |
| Diesel Exhaust fluid (AdBlue® type)                               |     | 10  | 3 US gal  |  |
|   |     | 101   | ə və yai  |  |
| Noise and vibration   |     | 70.10   | 70.10   |  |
| Noise at driving position (LpA) tested following NF EN 12053 norm |     | 72 dB   | 72 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                            |  |

## Options / Finishing

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

| Ladder hitch with choice of hooks       0       0       0         Manual rotating towing hitch       S       S       S         Lighting       Boom Work Lights (on fixed part) (x2)       0       0       0       0         Front and rear LED work lights on cab (x4 : 2 front + 2 rear)       0       S       S         Front and rear work lights on cab (x4)       S       -       -         LED + (4 additional work lights)       0       0       0         Security       0       0       0   |   | Classic | Premium | Elite |
|--|---|---------|---------|-------|
| Early Connect System (ECS)   S   S   S   S   S   S   S   S   S   | Lifting function  |         |         |       |
| Electrowards for 2 hybraulic functions (on boom head)  | •   | S       | S       | S     |
| Hydraulic attachment locking   |   | 0       | 0       | 0     |
| Intelligent hydraulics   |   | 0       | 0       | 0     |
| Regeneralive Hydraulics Return pice to hydraulic oil tank O  |   | 0       | 0       | S     |
| Reaturn pipe to Indicatation    Comparison Statistion   Comparison Statistion   Comparison Statistion   Comparison Statistion   Comparison Statistion   Comparison Statistic   Comparis |   | 0       | S       |       |
| Operator station         O         O         S           "Active CRO" hoom suspension         O         O         S           Air conditioning with national adjustment         O         O         S           Air conditioning with manual adjustment         O         S         -           Air is suspension cloth-covered seat (GRAMMER)         O         S         -           Automatic wheel alignment         O         O         S           Blueboth USB car radio with integrated microphone (100 W)         O         O         S           Blueboth USB car radio with integrated microphone (100 W)         O         S         -           Electric mirror with de-loing         O         O         S         -           Electric mirror with de-loing         O         O         S         -           Electric mirror with de-loing         O         O         S         S           Ever from with de-loing         O         O         S         S           Ever from with de-loing         O         O         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S <t< td=""><td>•</td><td></td><td></td><td></td></t<>  | •   |         |         |       |
| "Active CRC' boom suspension   |   |         |         |       |
| Air conditioning with automatic adjustment 0 S S Air conditioning with manual adjustment 0 S S Air conditioning with manual adjustment 0 S S Air suspension cloth-covered seat (SAMMER) 0 S S Automatic wheel alignment 0 O O O S S Bibletooth USB car radio with integrated microphone (100 W) O S S Bibletooth USB car radio with integrated microphone (100 W) O S S S S S S S S S S S S S S S S S S  |   | 0       | 0       | S     |
| Air conditioning with manual adjustment  Air suspension cloth-covered seat (GRAMMER)  0  |   |         |         |       |
| Air suspension cloth-covered seat (GRAMMER)  Automatic wheel alignment  Buetooth USB carradio with integrated microphone (100 W)  Clear arradio with with de-icing  Clear arradio with with de-icing  Clear arradio with with de-icing  Clear arradio with even with  | . ,   | 0       | S       |       |
| Automatic wheel alignment Automatic wheel alignment Bluetont USB car radio with integrated microphone (100 W) O S S Bluetont USB car radio with integrated microphone (100 W) O S Ektra front wheer Bluetont USB car radio with integrated microphone (100 W) O S Ektra front wheer O S S Ektra front wheer O S S S S Lateral wiper S S S S S Lateral wiper S S S S S S Low frequency air suspension cloth-covered seat (GRAMMER) O O O O Mcchanical cloth-covered seat (GRAMMER) O O O Mcchanical cloth-covered seat (GRAMMER) S S C C Tuner car radio (50 W) S S Motorizadion/Fower O   | •   | 0       |         |       |
| Bluetooth USB car adio with extra microphone (100 W)   |   | 0       | 0       | S     |
| Bluetoth USB car radio with integrated microphone (100 W)  | •   |         |         |       |
| Electric miror with de-icing   |   | 0       | S       |       |
| Extra front wiper         0         S         S           Hamony screen         S         S         S           Lateral wiper         S         S         S           Low frequency air suspension cloth-covered seat (GRAMMER)         -         0         -           Low frequency air suspension cloth-covered seat with heating         0         0         0           Mechanical cloth-covered seat (GRAMMER)         S         -         -           Tuner car radio (50 W)         S         -         -           Vision screen 7*         0         0         S           Continuous flow hydraulics         0         0         S           Hand throttle         S         S         S         S           Self cleaning air prefitter         S         S         S         S           Secondary functions         Unique to the tank (25 T)         0         0         0           Additional fuel tank (25 T)         0         0         0         0           Additional fuel tank (25 T)         0         0         0         0           Hydraulic taing towing hitch on counterweight         0         0         0         0           Hydraulic tailer brake         S   |   |         |         | S     |
| Halmony screen   | -   |         |         |       |
| Lateral wiper         S         S         S           Low frequency air suspension cloth-covered seat (GRAMMER)         -         0         -           Low frequency air suspension cloth-covered seat with heating         0         0         0           Mechanical cloth-covered seat (GRAMMER)         S         -         -           Tuner car radio (50 W)         S         -         -           Vision screen 7'         0         0         0         S           Modrization/Power         0         0         0         S           Continuous flow hydraulics         0         0         S         S           Hand throttle         S         S         S         S         S           Self cleaning air prefilter         S  |   |         |         |       |
| Low frequency air suspension cloth-covered seat (GRAMMER)         -         0         -           Low frequency air suspension cloth-covered seat with heating         0         0         0           Mechanical cloth-covered seat (GRAMMER)         S         -         -           Tuner car radio (50 W)         S         -         -           Vision screen 7°         0         0         S           Motorization/Power         S         S         S           Continuous flow hydraulics         0         0         S           Hand throttle         S         S         S           Self cleaning air prefilter         S         S         S           Secondary functions         S         S         S           1 pair of pre-fitted Double Action rear hydraulic couplers         0         0         0           Additional fuel tank (25 I)         0         0         0           Additional fuel tank (25 I)         0         0         0           Hydraulic pick-up hitch         0         0         0           Hydraulic traiter brake         S         S         S           Ladder hitch with choice of hooks         0         0         0           Manual rotating towing hitch <td></td> <td></td> <td></td> <td>S</td>  |   |         |         | S     |
| Low frequency air suspension cloth-covered seat (GRAMMER)         0         0         0           Tuner car radio (50 W)         S         -         -           Vision screen 7"         0         0         S           Motorization/Power         0         0         S           Continuous flow hydraulics         0         0         S           Hand throttle         S         S         S           Self cleaning air prefilter         S         S         S           Secondary functions         S         S         S           1 pair of pre-filted Double Action rear hydraulic couplers         0         0         0           Additional fuel tank (25 I)         0         0         0           Additional fuel tank (25 I)         0         0         0           Additional fuel tank (25 I)         0         0         0           Hydraulic pick-up hitch         0         0         0           Hydraulic pick-up hitch         0         0         0           Hydraulic pick-up hitch         0         0         0           Ladder hitch with choice of hooks         0         0         0           Manual rotating towing hitch         0         0  |   |         |         |       |
| Mechanical cloth-covered seat (GRAMMER)  |   | 0       |         | 0     |
| Tuner car radio (50 W)         S         -         -           Vision screen 7"         0         0         S           Motor/zation/Power         Continuous flow hydraulics         0         0         S           Continuous flow hydraulics         0         0         S           Hand throttle         S         S         S           Self cleaning air prefitter         S         S         S           Secondary functions         S         S         S           Secondary functions         0         0         0         0           Secondary functions         0         0         0         0           Secondary functions         0         0         0         0           Additional fuel tank (25 I)         0         0         0         0           Automatic rotating towing hitch on counterweight         0         0         0         0         0           Hydraulic trailer brake         S <td></td> <td></td> <td></td> <td></td>  |   |         |         |       |
| Vision screen 7°         O         O         S           Motorization/Power         Continuous flow hydraulics         O         O         S           Hand throttle         S         S         S         S           Self cleaning air prefilter         S         S         S         S           Secondary functions         S         S         S         S           1 pair of pre-fitted Double Action rear hydraulic couplers         O  | , ,   |         |         |       |
| Motorization/Power         O         O         S           Continuous flow hydraulics         O         O         S           Hand throttle         S         S         S           Self cleaning air prefilter         S         S         S           Secondary functions         S         S         S           1 pair of pre-fitted Double Action rear hydraulic couplers         O         O         O           Additional fuel tank (25 l)         O         O         O         O           Automatic rotating towing hitch on counterweight         O         O         O         O           Hydraulic pick-up hitch         O         O         O         O         O           Hydraulic pick-up hitch         O </td <td>, ,</td> <td></td> <td>0</td> <td>S</td>  | , ,   |         | 0       | S     |
| Continuous flow hydraulics         0         0         S           Hand throttle         S         S         S           Self cleaning air prefilter         S         S         S           Secondary functions         ***********************************   | Motorization/Power  |         |         |       |
| Hand throttle  |   | 0       | 0       | S     |
| Self cleaning air prefilter         S         S         S           Secondary functions         S         S         S           1 pair of pre-fitted Double Action rear hydraulic couplers         0         0         0           Additional fuel tank (25 I)         0         0         0           Automatic rotating towing hitch on counterweight         0         0         0           Hydraulic pick-up hitch         0         0         0           Hydraulic trailer brake         S         S         S           Ladder hitch with choice of hooks         0         0         0           Manual rotating towing hitch         S         S         S           Lighting         S         S         S           Boom Work Lights (on fixed part) (x2)         0         0         0           Boom Work Lights on cab (x4) 2 front + 2 rear)         0         S         S           Front and rear work lights on cab (x4)         S         -         -           LED + (4 additional work lights)         0         0         0           Security         0         0         0  | •   |         |         |       |
| Secondary functions         In pair of pre-fitted Double Action rear hydraulic couplers         0         0         0           Additional fuel tank (25 I)         0         0         0         0           Automatic rotating towing hitch on counterweight         0         0         0         0           Hydraulic pick-up hitch         0         0         0         0           Hydraulic trailer brake         S         S         S         S           Ladder hitch with choice of hooks         0         0         0         0           Manual rotating towing hitch         S         S         S         S           Lighting         S         S         S         S           Boom Work Lights (on fixed part) (x2)         0         0         0         0           Front and rear LED work lights on cab (x4 : 2 front + 2 rear)         0         S         S         S           Front and rear work lights on cab (x4)         S         -         -         -         -         -           LED + (4 additional work lights)         0         0         0         0         0         0   | Self cleaning air prefilter                                   | S       | S       | S     |
| 1 pair of pre-fitted Double Action rear hydraulic couplers       0       0       0         Additional fuel tank (25 I)       0       0       0         Automatic rotating towing hitch on counterweight       0       0       0         Hydraulic pick-up hitch       0       0       0         Hydraulic trailer brake       S       S       S         Ladder hitch with choice of hooks       0       0       0         Manual rotating towing hitch       S       S       S         Lighting       S       S       S         Boom Work Lights (on fixed part) (x2)       0       0       0         Front and rear LED work lights on cab (x4 : 2 front + 2 rear)       0       S       S         Front and rear work lights on cab (x4)       S       -       -         LED + (4 additional work lights)       0       0       0         Security       0       0       0   | • 1   |         |         |       |
| Additional fuel tank (25 I)       0       0       0         Automatic rotating towing hitch on counterweight       0       0       0         Hydraulic pick-up hitch       0       0       0         Hydraulic trailer brake       S       S       S         Ladder hitch with choice of hooks       0       0       0         Manual rotating towing hitch       S       S       S         Lighting       S       S       S         Boom Work Lights (on fixed part) (x2)       0       0       0         Front and rear LED work lights on cab (x4 : 2 front + 2 rear)       0       S       S         Front and rear work lights on cab (x4)       S       -       -         LED + (4 additional work lights)       0       0       0         Security       0       0       0  | •   | 0       | 0       | 0     |
| Automatic rotating towing hitch on counterweight       0       0       0         Hydraulic pick-up hitch       0       0       0         Hydraulic trailer brake       S       S       S         Ladder hitch with choice of hooks       0       0       0         Manual rotating towing hitch       S       S       S         Lighting       S       S       S         Boom Work Lights (on fixed part) (x2)       0       0       0       0         Front and rear LED work lights on cab (x4 : 2 front + 2 rear)       0       S       S       S         Front and rear work lights on cab (x4)       S       -       -       -         LED + (4 additional work lights)       0       0       0       0         Security       0       0       0       0  |   | 0       | 0       | 0     |
| Hydraulic pick-up hitch         0         0         0           Hydraulic trailer brake         S         S         S           Ladder hitch with choice of hooks         0         0         0           Manual rotating towing hitch         S         S         S           Lighting         S         S         S           Boom Work Lights (on fixed part) (x2)         0         0         0           Front and rear LED work lights on cab (x4 : 2 front + 2 rear)         0         S         S           Front and rear work lights on cab (x4)         S         -         -           LED + (4 additional work lights)         0         0         0           Security         O         0         0   | , ,   | 0       | 0       | 0     |
| Hydraulic trailer brake         S         S         S           Ladder hitch with choice of hooks         0         0         0           Manual rotating towing hitch         S         S         S           Lighting         Boom Work Lights (on fixed part) (x2)         0         0         0           Front and rear LED work lights on cab (x4 : 2 front + 2 rear)         0         S         S           Front and rear work lights on cab (x4)         S         -         -           LED + (4 additional work lights)         0         0         0           Security         0         0         0   |   | 0       | 0       | 0     |
| Manual rotating towing hitch         S         S         S           Lighting         Companies         Companies <td>Hydraulic trailer brake</td> <td>S</td> <td>S</td> <td>S</td>  | Hydraulic trailer brake                                       | S       | S       | S     |
| Lighting         Common Work Lights (on fixed part) (x2)         O<  | Ladder hitch with choice of hooks                             | 0       | 0       | 0     |
| Lighting         Common Work Lights (on fixed part) (x2)         O<  | Manual rotating towing hitch                                  | S       | S       | S     |
| Boom Work Lights (on fixed part) (x2)         0         0         0           Front and rear LED work lights on cab (x4 : 2 front + 2 rear)         0         S         S           Front and rear work lights on cab (x4)         S         -         -           LED + (4 additional work lights)         0         0         0           Security         0         0         0   |   |         |         |       |
| Front and rear LED work lights on cab (x4 : 2 front + 2 rear)         0         S         S           Front and rear work lights on cab (x4)         S         -         -           LED + (4 additional work lights)         0         0         0           Security         Security         S         -         -  |   | 0       | 0       | 0     |
| Front and rear work lights on cab (x4)         S         -         -           LED + (4 additional work lights)         0         0         0           Security         Security         S         -         -  | Front and rear LED work lights on cab (x4 : 2 front + 2 rear) |         |         |       |
| LED + (4 additional work lights)         0         0         0           Security <td< td=""><td>. , , ,</td><td></td><td></td><td></td></td<>   | . , , ,   |         |         |       |
| Security   |   |         | 0       | 0     |
| · · · · · · · · · · · · · · · · · · ·  | Security  |         |         |       |
| The state of the s | Audio warning on reverse                                      | 0       | 0       | 0     |

## MLT 635-140 V+ ST4 - Dimensional drawing







## **Head Office**

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