



## T7042

### Telehandlers

#### Technical Data

##### ■ Standard engine data

|  |                        |
|--|------------------------|
| Engine manufacturer                        | Perkins                |
| Motor type                                 | 904J-E36TA             |
| Cylinder                                   | 4                      |
| Drive output                               | 100 kW                 |
| Drive output                               | 134.1 HP               |
| at max. rpm                                | 2,200 rpm              |
| Cylinder capacity                          | 220.97 in <sup>3</sup> |
| Type of coolant                            | Water                  |
| Exhaust standard level                     | V                      |
| Exhaust aftertreatment                     | DOC/DPF/SCR            |
| Average sound power level LwA (cabin)      | 105 dB(A)              |
| Guaranteed sound power level LwA (cabin)   | 106 dB(A)              |
| Specified sound pressure level LpA (cabin) | 76 dB(A)               |

##### ■ Electrical system

|                   |        |
|-------------------|--------|
| Operating voltage | 12 V   |
| Battery           | 185 Ah |
| Alternator        | 150 A  |

##### ■ Weights

|                  |           |
|------------------|-----------|
| Payload (max.)   | 9,259 lb  |
| Operating weight | 16,865 lb |

##### ■ Driver's cab

|              |     |
|--------------|-----|
| Driver's cab | Cab |
|--------------|-----|

##### ■ Filling levels

|                                 |              |
|---------------------------------|--------------|
| Tank capacity for fuel          | 37.51 US gal |
| Tank capacity for hydraulic oil | 23.78 US gal |
| Tank capacity for urea solution | 5.02 US gal  |

##### ■ Drive system

|                       |  |
|-----------------------|--|
| Type of drive         | Hydrostatic (electronically regulated)   |
| drive unit            | universal joint shaft  |
| Speed levels          | 3  |
| Axle                  | PAL 1930   |
| Travel speed Standard | 0-12,43 mph  |
| Travel speed Option 1 | 0-24,85 mph  |
| Operating brake       | Multi-disc brake on front axle acting on rear axle via universal joint shaft<br>Electro-hydraulic multi-disc brake with spring suspension on the front axle, acting on rear axle via universal joint shaft |
| Parking brake         |  |
| Differential lock     | 100 % front axle (option)  |

##### ■ Hydraulic system

|  |                   |
|--|-------------------|
| Drive hydraulics working pressure (max.) | 7252 psi          |
| Work hydraulics discharge volume (max.)  | 36,61 (49,40) gpm |
| Work hydraulics working pressure (max.)  | 3785 psi          |

##### ■ Kinematics

|                     |                                      |
|---------------------|--------------------------------------|
| Lifting cylinder    | 1                                    |
| Tipping cylinder    | 1                                    |
| Quick change system | Mechanical (hydraulically activated) |

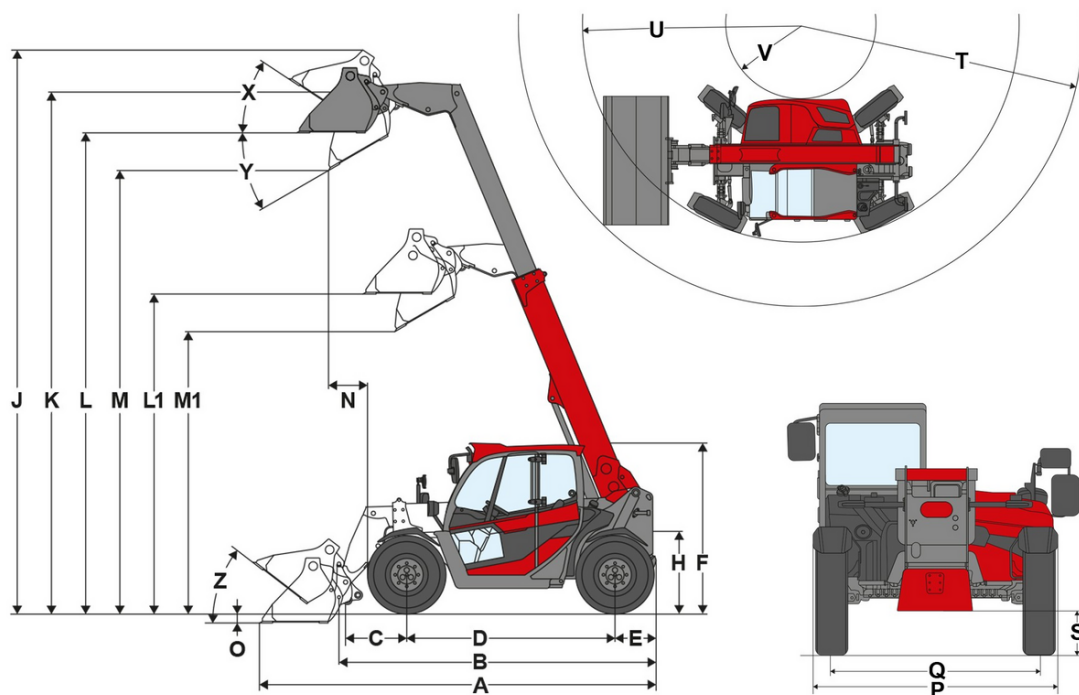
##### ■ Steering

|                                    |   |
|------------------------------------|---|
| Steering type                      | Hydrostatic all-wheel steering with fully automatic synchronization |
| Steering cylinder                  | 2   |
| Steering angle max.                | 2x45 degree   |
| Oscillating angle of the rear axle | ± 10 degree   |

##### ■ Other information

DPF = diesel particulate filter  
DOC = diesel oxidation catalyst  
SCR = selective catalytic reduction

## Dimensions



|           | Standard components                       | Mitas 405/70 R24 MPT-01 |
|-----------|---|-------------------------|
| <b>A</b>  | Total length                              | 237.60 in               |
| <b>B</b>  | Total length without bucket               | 194.88 in               |
| <b>C</b>  | Bucket pivot point (to center of axle)    | 34.29 in                |
| <b>D</b>  | Wheel base                                | 116.14 in               |
| <b>E</b>  | Rear overhang                             | 27.56 in                |
| <b>F</b>  | Height with cab lowered                   |                         |
|           | Height with cab                           | 95.47 in                |
|           | Height with cab raised                    |                         |
| <b>H</b>  | Seat height                               | 53.94 in                |
| <b>J</b>  | Total working height                      | 310.83 in               |
| <b>K</b>  | Bucket pivot point (max. lift height)     | 287.60 in               |
| <b>L1</b> | Load-over height telescopic arm retracted | 175.98 in               |
| <b>L</b>  | Load-over height telescopic arm extended  | 266.54 in               |
| <b>M1</b> | Dumping height telescopic arm retracted   | 154.72 in               |
| <b>M</b>  | Dumping height telescopic arm extended    | 245.28 in               |
| <b>N</b>  | Reach (at M)                              | 4.53 in                 |
| <b>O</b>  | Digging depth                             | 7.28 in                 |
| <b>P</b>  | Total width                               | 96.46 in                |
| <b>Q</b>  | Track width                               | 75.98 in                |
| <b>S</b>  | Ground clearance                          | 14.57 in                |
| <b>T</b>  | Maximum radius                            | 202.95 in               |
| <b>U</b>  | Radius on the outer edge                  | 145.67 in               |
| <b>V</b>  | Inner radius                              | 64.57 in                |
| <b>X</b>  | Rollback angle at max. lift height        | 45 °                    |
| <b>Y</b>  | Dumping angle                             | 44 °                    |
| <b>Z</b>  | Rollback angle on ground                  | 46 °                    |