



**WEIDEMANN**  
*designed for work*



## T4512

### Telehandlers

#### Technical Data

##### ■ Standard engine data

|  |                       |
|--|-----------------------|
| Engine manufacturer                        | Yanmar                |
| Motor type                                 | 3TNV80FT              |
| Cylinder                                   | 3                     |
| Drive output                               | 18.4 kW               |
| Drive output                               | 24.7 HP               |
| at max. rpm                                | 2,600 rpm             |
| Cylinder capacity                          | 74.82 in <sup>3</sup> |
| Type of coolant                            | Water                 |
| Exhaust standard level                     | V                     |
| Exhaust aftertreatment                     | -                     |
| Average sound power level LwA (cabin)      | 93.5 dB(A)            |
| Guaranteed sound power level LwA (cabin)   | 94 dB(A)              |
| Specified sound pressure level LpA (cabin) | 78 dB(A)              |

##### ■ Engine data Option 1

|  |                       |
|--|-----------------------|
| Engine manufacturer                        | Yanmar                |
| Motor type                                 | 3TNV86CHT             |
| Cylinder                                   | 3                     |
| Drive output                               | 33.3 kW               |
| Drive output                               | 44.7 HP               |
| at max. rpm                                | 2,600 rpm             |
| Cylinder capacity                          | 95.69 in <sup>3</sup> |
| Type of coolant                            | Water                 |
| Exhaust standard level                     | V                     |
| Exhaust aftertreatment                     | DOC/DPF               |
| Average sound power level LwA (cabin)      | 94.1 dB(A)            |
| Guaranteed sound power level LwA (cabin)   | 95 dB(A)              |
| Specified sound pressure level LpA (cabin) | 78 dB(A)              |

##### ■ Electrical system

|                   |      |
|-------------------|------|
| Operating voltage | 12 V |
|-------------------|------|

|         |       |
|---------|-------|
| Battery | 77 Ah |
|---------|-------|

|            |      |
|------------|------|
| Alternator | 80 A |
|------------|------|

##### ■ Weights

|                  |                  |
|------------------|------------------|
| Payload (max.)   | 2,756 lb         |
| Operating weight | 6,063 - 6,393 lb |

##### ■ Driver's cab

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

##### ■ Filling levels

|                                 |             |
|---------------------------------|-------------|
| Tank capacity for fuel          | 8.72 US gal |
| Tank capacity for hydraulic oil | 9.51 US gal |

##### ■ Drive system

|               |  |
|---------------|--|
| Type of drive | ecDrive (Electronic Controlled Drive)          |
| drive unit    | hydrostatic via transfer case and cardan shaft |
| Speed levels  | 2  |

|      |          |
|------|----------|
| Axle | PAL 1155 |
|------|----------|

|                       |             |
|-----------------------|-------------|
| Travel speed Standard | 0-12,43 mph |
|-----------------------|-------------|

|                       |             |
|-----------------------|-------------|
| Travel speed Option 1 | 0-18,64 mph |
|-----------------------|-------------|

|                 |  |
|-----------------|--|
| Operating brake | Hydraulically actuated disc brake on front axle acting on rear axle via cardan shaft |
|-----------------|--|

|               |   |
|---------------|---|
| Parking brake | Electro-hydraulic spring-loaded brake on front axle, acting on rear axle via cardan shaft |
|---------------|---|

|                   |                           |
|-------------------|---------------------------|
| Differential lock | 100% front axle rear axle |
|-------------------|---------------------------|

##### ■ Hydraulic system

|  |                        |
|--|------------------------|
| Drive hydraulics working pressure (max.) | 5511 psi               |
| Work hydraulics discharge volume (max.)  | 9,62 (10,99-18,49) gpm |
| Work hydraulics working pressure (max.)  | 3191 psi               |

##### ■ Kinematics

|                  |   |
|------------------|---|
| Lifting cylinder | 1 |
|------------------|---|

|                  |   |
|------------------|---|
| Tipping cylinder | 1 |
|------------------|---|

|                     |                        |
|---------------------|------------------------|
| Quick change system | mechanical (hydraulic) |
|---------------------|------------------------|

■ **Steering**

|                     |  |
|---------------------|--|
| Steering type       | Hydraulic all-wheel steering with end position synchronization |
| Steering cylinder   | 2  |
| Steering angle max. | 2x38 degree  |

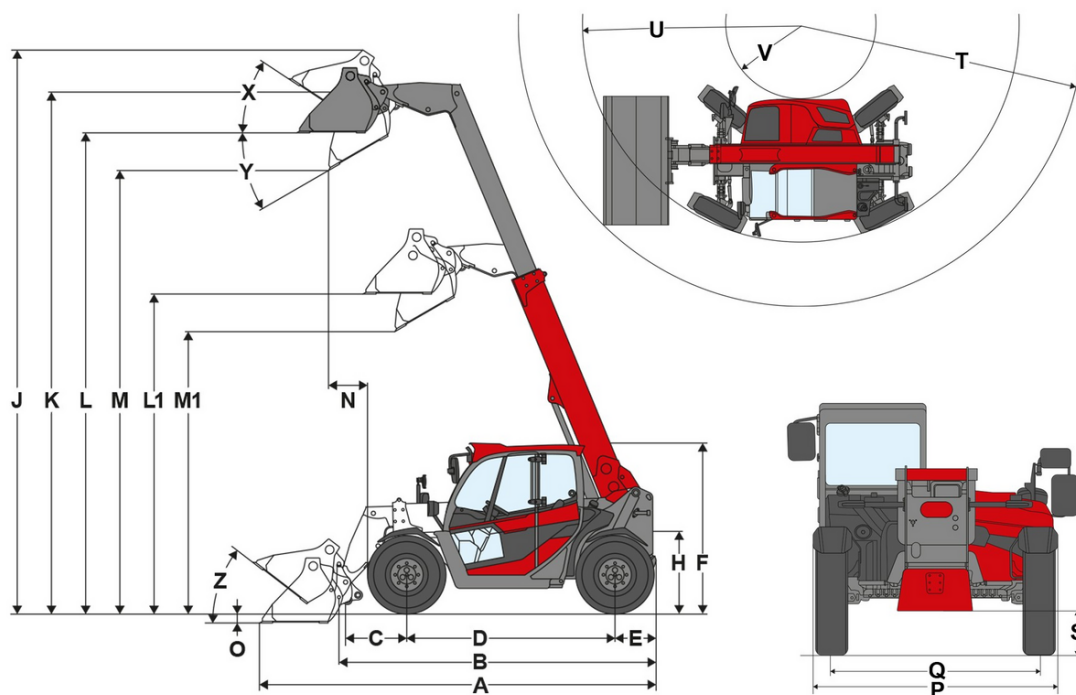
Oscillating angle of the rear axle        ± 7 degree

■ **Other information**

DPF = Diesel Particulate Filter  
DOC = Diesel oxidation catalyst  
SCR = Selective Catalytic Reduction

The illustrations, equipment and data shown may deviate from the current delivery program of your country. Optional equipment subject to additional charge may be shown. Subject to changes.

## Dimensions



|           |   |                              |
|-----------|---|------------------------------|
|           | Standard components                       | 10.0/75-15.3 AS ET-40 Starco |
| <b>A</b>  | Total length                              | 155.28 in                    |
| <b>B</b>  | Total length without bucket               | 117.76 in                    |
| <b>C</b>  | Bucket pivot point (to center of axle)    | 17.72 in                     |
| <b>D</b>  | Wheel base                                | 75.67 in                     |
| <b>E</b>  | Rear overhang                             | 16.81 in                     |
| <b>F</b>  | Height with cab lowered                   |                              |
|           | Height with cab                           | 78.54 in                     |
|           | Height with cab raised                    |                              |
| <b>H</b>  | Seat height                               | 38.50 in                     |
| <b>J</b>  | Total working height                      | 207.87 in                    |
| <b>K</b>  | Bucket pivot point (max. lift height)     | 178.62 in                    |
| <b>L1</b> | Load-over height telescopic arm retracted | 116.10 in                    |
| <b>L</b>  | Load-over height telescopic arm extended  | 163.90 in                    |
| <b>M1</b> | Dumping height telescopic arm retracted   | 95.08 in                     |
| <b>M</b>  | Dumping height telescopic arm extended    | 142.91 in                    |
| <b>N</b>  | Reach (at M)                              | 21.93 in                     |
| <b>O</b>  | Digging depth                             | 3.58 in                      |
| <b>P</b>  | Total width                               | 61.57 in                     |
| <b>Q</b>  | Track width                               | 49.02 in                     |
| <b>S</b>  | Ground clearance                          | 11.57 in                     |
| <b>T</b>  | Maximum radius                            | 138.03 in                    |
| <b>U</b>  | Radius on the outer edge                  | 106.10 in                    |
| <b>V</b>  | Inner radius                              | 37.44 in                     |
| <b>X</b>  | Rollback angle at max. lift height        | 52 °                         |
| <b>Y</b>  | Dumping angle                             | 31 °                         |
| <b>Z</b>  | Rollback angle on ground                  | 44 °                         |