



**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	25 PS
at max. rpm	2,600 U/min
Cylinder capacity	1,226 cm <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	45.3 PS
at max. rpm	2,600 U/min
Cylinder capacity	1,568 cm <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
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Battery	77 Ah
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Alternator	80 A
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##### ■ Weights

Payload (max.)	1,250 kg
Operating weight	2,750 - 2,900 kg

##### ■ Driver's cab

Driver's cab	Cab
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##### ■ Filling levels

Tank capacity for fuel	33 l
Tank capacity for hydraulic oil	36 l

##### ■ Drive system

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

Axle	PAL 1155
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Travel speed Standard	0-20 km/h
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Travel speed Option 1	0-30 km/h
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Operating brake	Hydraulically actuated disc brake on front axle acting on rear axle via cardan shaft
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Parking brake	Electro-hydraulic spring-loaded brake on front axle, acting on rear axle via cardan shaft
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Differential lock	100% front axle rear axle
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##### ■ Hydraulic system

Drive hydraulics working pressure (max.)	380 bar
Work hydraulics discharge volume (max.)	36,4 (41,6-70) l/min
Work hydraulics working pressure (max.)	220 bar

##### ■ Kinematics

Lifting cylinder	1
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Tipping cylinder	1
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Quick change system	mechanical (hydraulic)
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■ **Steering**

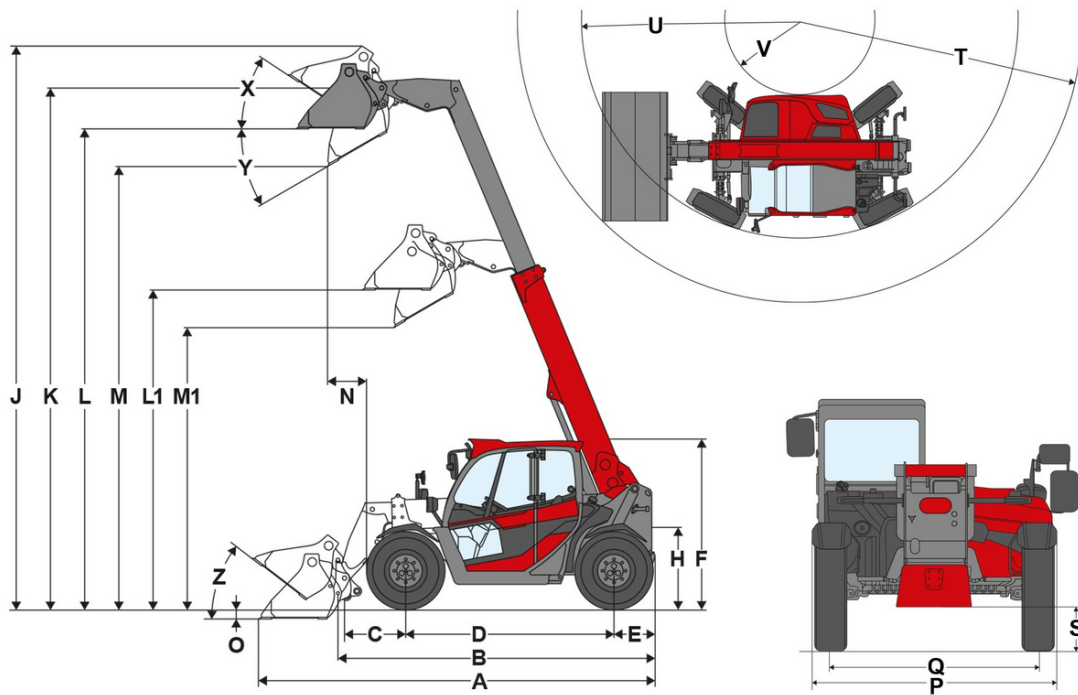
Steering type	Hydraulic all-wheel steering with end position synchronization
Steering cylinder	2
Steering angle max.	2x38 degree

Oscillating angle of the rear axle      ± 7 degree

■ **Other information**

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

## Dimensions



	Standard components	10.0/75-15.3 AS ET-40 Starco
<b>A</b>	Total length	3,944 mm
<b>B</b>	Total length without bucket	2,991 mm
<b>C</b>	Bucket pivot point (to center of axle)	450 mm
<b>D</b>	Wheel base	1,922 mm
<b>E</b>	Rear overhang	427 mm
<b>F</b>	Height with cab lowered	
	Height with cab	1,995 mm
	Height with cab raised	
<b>H</b>	Seat height	978 mm
<b>J</b>	Total working height	5,280 mm
<b>K</b>	Bucket pivot point (max. lift height)	4,537 mm
<b>L1</b>	Load-over height telescopic arm retracted	2,949 mm
<b>L</b>	Load-over height telescopic arm extended	4,163 mm
<b>M1</b>	Dumping height telescopic arm retracted	2,415 mm
<b>M</b>	Dumping height telescopic arm extended	3,630 mm
<b>N</b>	Reach (at M)	557 mm
<b>O</b>	Digging depth	91 mm
<b>P</b>	Total width	1,564 mm
<b>Q</b>	Track width	1,245 mm
<b>S</b>	Ground clearance	294 mm
<b>T</b>	Maximum radius	3,506 mm
<b>U</b>	Radius on the outer edge	2,695 mm
<b>V</b>	Inner radius	951 mm
<b>X</b>	Rollback angle at max. lift height	52 °
<b>Y</b>	Dumping angle	31 °
<b>Z</b>	Rollback angle on ground	44 °

## Standard components

### Engine

- Yanmar 3 TNV 80 FT, {18.4 kW / 25 hp}{18.4 kW / 24.7 HP}, EU Stage V

### Tires

- 255 / 75 - 15.3 (10.0/75-15.3) Starco AS ET-40, tread AS, width {1560 mm}{61.42}, height {1995 mm}{78.54 in}

### Steering system

- Hydraulic all-wheel steering with end position synchronisation
- Max. steering lock 2x38 °
- Oscillating angle of the rear axle  $\pm 7^\circ$
- Steering cylinder: 2

### Operator's cab

- Cabin with heater and ventilation ROPS / FOPS tested with VSG safety glazing on the right side
- Front, roof and rear windscreen wipers
- Heated rear windscreen
- Tilt display
- Armrest with storage compartment
- Sun blind
- Bottle holder
- Storage net

### Operator's seat

- Comfort seat with seat belt

### Lighting

- LED Basic work lights (1000 lm) on the cabin, 1 front, 1 rear

### Drive system

- Axle: Planetary axle PAL1165
- Drive system: Hydrostatic all-wheel drive system, electronically controlled, ecDrive (Electronic Controlled Drive)
- Operator mode: Auto Mode; Eco mode (reduction in rpm upon reaching the configured speed)
- Speed: {20 km/h}{12.4 mph}
- Travel speeds: 2 | {7 km/h / 20 km/h (Optional 30 km/h)}{4.4 mph / 12.4 mph (Optional 18.6 mph)}
- Service brake: Hydraulically activated disc brake on the front axle acts on rear axle through universal joint shaft
- Parking brake: Electro-hydraulic spring-loaded brake on the front axle acts on the rear axle through universal joint shaft, incl. auto-hold function

### Loading system

- Telescopic arm lift height {4537 mm}{178.62}
- Quickhitch facility (Weidemann MV/TH- C) mechanical
- Lift cylinder: 1
- Tipping cylinder: 1

### Hydraulics

- Mechanical pilot operated joystick with forward-reverse control switch and telescoping function
- 3rd control circuit front via lever; Flatface size 2 connections
- VLS (Vertical Lift System)
- Hydraulic oil cooler

### Other

- Reversing alarm (audible)

### EquipCare (telematics)

- EquipCare 36 months (incl. App & Manager)

## Options

### Operator's cab & Cabine

- Protective grating for front windscreen, removable
- Faux leather seat; air-cushioned; MSG75
- Fabric seat; air cushioned; MSG75

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.

- Fabric seat; air cushioned; heated seat; MSG75
- Air-conditioning system
- Radio-ready DAB+ (aerial, speaker)
- Radio DAB+ complete
- 2X USB/3-pole sockets
- Adjustable steering column (incline and height)

#### Lighting

- Lighting according to Road Traffic Regulations
- LED lighting according to StVZO
- LED work lights (1000 lm) on cabin roof, 2 front, 1 rear
- LED Performance work lights (2000 lm) on roof, 2 front, 2 rear
- LED work light (1000 lm) on telescopic arm, 1 front
- LED Performance work light (2000 lm) on telescopic arm, 1 front
- LED rotating beacon (yellow), national regulations must be adhered to

#### Approval & Road traffic

- Single operator permission < {25 km/h}{15.5 mph}
- Single operator permission > {25 km/h}{15.5 mph}
- Small, front and rear licence plate mounts
- Warning markings, the respective national provisions are to be observed!

#### Drive system & Axles

- Diesel engine Yanmar 3TNV86, {33.3 kW / 45.3 hp}{33.3 kW / 44.7 HP} (Application from -15°C - +45°C!), Stage V
- Manual throttle
- Engine pre-heater (coolant) + hydraulic oil pre-heater 230 V
- Pre-heating: Coolant, hydraulic oil, 230 V connector Type J (destination country: Switzerland)
- Reversing fan

##### Axles

- Planetary axle PAL1165, hydrostatic medium pressure 4 wheel drive, differential lock 100%

##### Operating mode

- Auto / Eco / Attachment operating mode
- Auto / Eco / M-Drive operating mode

##### Travel speed

- Proportional speed limiter (slow travel speed facility)
- {30 km/h}{18.6 mph} (speed increase)
- Steering modes adjustment

#### Tires

- 31 x 15.50 - 15 BKT TR 313 ET0, tread AS, width {1560 mm}{61.42 in}, height {1992 mm}{78.43 in}
- 400 / 50 - 15 (31x15.5-15) Starco AS ET0, tread AS, width {1560 mm}{61.42 in}, height {1997 mm}{78.62 in}
- 270 / 65 - 16.5 (10-16.5) Kenda Power Grip ET-40, tread EM, width {1560 mm}{61.42 in}, height {2000 mm}{78.74 in}
- 400 / 50 - 15 Starco Turf Tech ET0, turf tread, width {1560 mm}{61.42 in}, height {1995 mm}{78.54 in}
- 270 / 65 - 16.5 (10-16.5) Kenda Rock Grip ET-40, tread SureTrax, width {1560 mm}{61.42 in}, height {2000 mm}{78.74 in}
- 315 / 55 R 16 Continental MPT81 ET-30, tread MPT81, width {1560 mm}{61.42 in}, height {1990 mm}{78.35 in}

#### Loading system

- Weidemann HV/TH - C (hydraulic)
- Weidemann HV/TH - C - ECS (hydraulic - easy coupler system)
- Euro (hydraulic - ISO23206 EURO HV) (incl. two couplings SVK size 3)
- SkidSteer (hydraulic - SAEJ2513 SSL HV)
- SMS HV (hydraulic)
- Kramer HV/TH - C (hydraulic)

#### Hydraulics

- Shell PANOLIN S4 HLP Synth 46 (bio hydraulic oil)

#### Hydraulics in front

- 3rd control circuit via lever (two couplings Flatface size 2) incl. notch for simple control lever
- 3rd control circuit proportional, incl. continuous function via switch incl. telescopic function proportional Operation: via scroll wheel on front of joystick
- High Flow - Performance hydraulics single-acting {(70 l/min)}{(18.5 gpm)}, (two couplings 1x Flatface size 4A, socket / 1x Flatface size 4A, bushing) Operation: via switch (0 - 1) + lever for 3rd control circuit
- Depressurised return line, front (1x Flatface size 3, connector) incl. leakage pipe (1x Flatface size 2, connector)
- Faster, 2-way, rapid-action coupling - machine-side
- Faster, 2-way, rapid-action coupling - machine-side + attachment-side
- Faster, 2x 2-way, rapid-action coupling - machine-side
- Faster, 2x 2-way, rapid-action coupling - machine-side + attachment-side

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- Reversing valve in front on 3rd control circuit (3rd control circuit with 4 couplings Flatface size 2)
- Pressure release of 3rd control circuit on front of telescopic arm

#### **Hydraulics in rear**

- Rear hydraulic connection, dual-acting via reversing valve (two couplings SVK size 3) (3rd control circuit front or rear), operation: via switch (0 - 1) + 3rd control circuit
- Rear hydraulic connect, dual-acting (two couplings SVK size 3) incl. separate control valve, operation: via switch (1 - 0- 2)

#### **Electrical connections in front**

- Front socket, 13-pole (2x electrical functions E1/E2 and lighting)
- Front socket, 13-pole (2x electrical functions E1/E2 and lighting)
- Front socket, 13-pole (2x electrical functions E1/E2 and lighting)
- Front socket, 13-pole (2x electrical functions E1/E2 and lighting)

#### **Electrical connections in rear**

- Rear socket, 3-pole (2x electrical functions E3/E4, connectible to front socket)
- 7-pole plug receptacle in rear for lighting rear attachments
- Battery isolator switch for 2 circuits (disconnection of the on-board system and the generator via 2 throws from the battery)

#### **Safety options**

- Ignition key with immobiliser (operation: via coded ignition key)

#### **Custom-made paint finish**

- Special paint finish RAL one colour - instead of Weidemann red
- Multi-colour custom-made paint finish

#### **Other**

- Toolbox incl. tool set and hand lever grease gun
- Combination case (warning triangle / first aid kit)
- Fully automatic central lubrication unit

Warranty extension (not discountable)

- Economy 24 months (2500 h)
- Economy 36 months (3000 h)
- Economy 48 months (3500 h)
- Economy 60 months (4000 h)
- Premium 24 months (3000 h)
- Premium 36 months (4000 h)
- Premium 48 months (5000 h)
- Premium 60 months (6000 h)

#### **Trailer and recovery equipment**

- Self-loading equipment (not permitted for attachment operation)
- Shunting coupling (not permitted for attachment operation)
- Ball hitch device K50
- Hitch device {38 mm}{1.5 in}, automatic
- Shunting coupling + ball hitch device K50
- Automatic hitch device + ball hitch device K50

#### **Self-propelled work machines with ball hitch**

- Hitch device {38 mm}{1.5 in}, automatic