



T5522 Telehandlers

Technical Data

■ Standard engine data

Engine manufacturer	Perkins
Motor type	404J-E22T
Cylinder	4
Drive output	45 kW
Drive output	61 PS
at max. rpm	2,800 U/min
Cylinder capacity	2,200 cm ³
Type of coolant	Water
Exhaust standard level	V
Exhaust aftertreatment	DOC/DPF

■ Electrical system

Operating voltage	12 V
Battery	77 Ah
Alternator	120 A

■ Weights

Payload (max.)	2,200 kg
Operating weight	4,200 kg

■ Driver's cab

Driver's cab	Cab
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■ Filling levels

Tank capacity for fuel	70 l
Tank capacity for hydraulic oil	55 l

■ Drive system

Type of drive	Hydrostatic
drive unit	universal joint shaft

Speed levels	2
Axle	PAL 1530
Travel speed Standard	0-20 km/h
Travel speed Option 1	0-30 km/h
Operating brake	Hydrostatic drive system acting on all 4 wheels (wear-free)
Parking brake	Service and parking brake in the drive train acts on all 4 wheels
Differential lock	100 % front axle + rear axle(option)

■ Hydraulic system

Drive hydraulics working pressure (max.)	450 bar
Work hydraulics discharge volume (max.)	70 (100) l/min
Work hydraulics working pressure (max.)	225 bar

■ Kinematics

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

■ Steering

Steering type	Hydrostatic all-wheel steering with end position synchronization
Steering cylinder	2
Steering angle max.	2x40 degree
Oscillating angle of the rear axle	± 8 degree

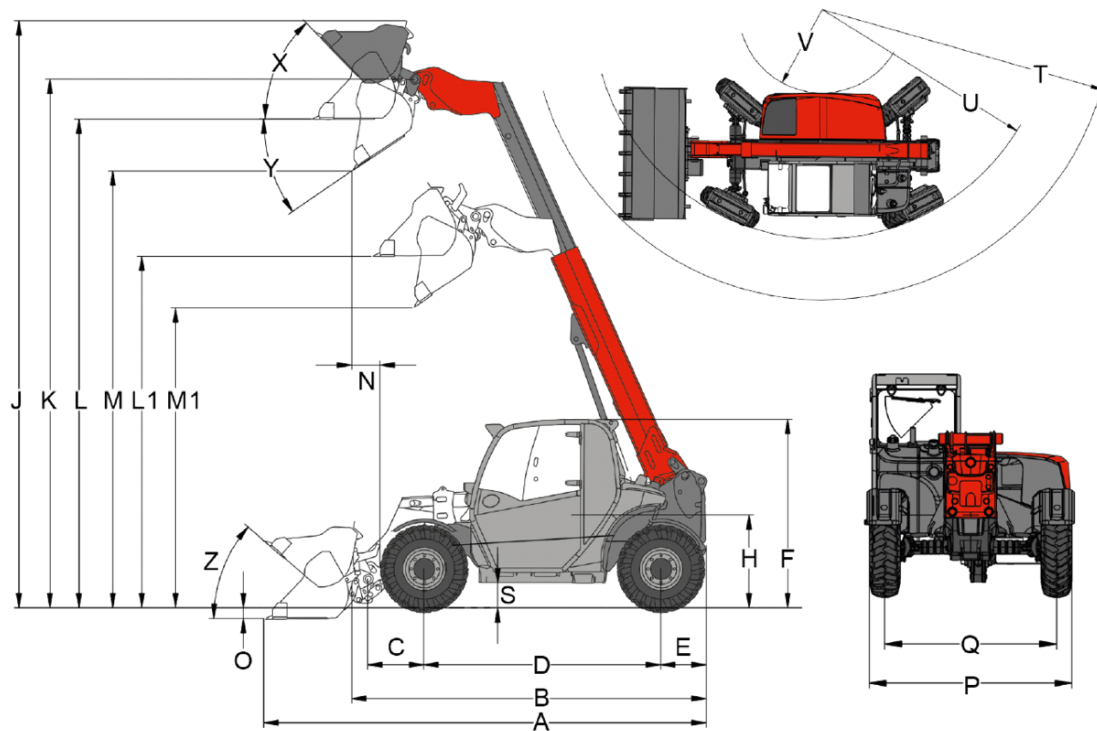
■ Noise characteristic values

Average sound power level L _{wA} (operator's canopy)	99.8 dB(A)
Guaranteed sound power level L _{wA} (operator's canopy)	101 dB(A)
Specified sound pressure level L _{pA} (operator's canopy)	77 dB(A)

■ Other information

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

Dimensions



	Standard components	10.5/80-18 AS ETO
A	Total length	4,576 mm
B	Total length without bucket	3,747 mm
C	Bucket pivot point (to center of axle)	581 mm
D	Wheel base	2,449 mm
E	Rear overhang	472 mm
F	Height with cab lowered	1,950 mm
	Height with cab	
	Height with cab raised	2,150 mm
H	Seat height	962 mm
J	Total working height	6,074 mm
K	Bucket pivot point (max. lift height)	5,471 mm
L1	Load-over height telescopic arm retracted	3,638 mm
L	Load-over height telescopic arm extended	5,056 mm
M1	Dumping height telescopic arm retracted	3,103 mm
M	Dumping height telescopic arm extended	4,520 mm
N	Reach (at M)	293 mm
O	Digging depth	111 mm
P	Total width	1,808 mm
Q	Track width	1,530 mm
S	Ground clearance	256 mm
T	Maximum radius	4,153 mm
U	Radius on the outer edge	3,281 mm
V	Inner radius	1,193 mm
X	Rollback angle at max. lift height	47 °
Y	Dumping angle	35 °
Z	Rollback angle on ground	41 °

Standard components

Engine

- Perkins 404J-E22T, 45 kW / 61 hp, stage V

Tires

- 10.5/80-18 AS ET0, width 1808 mm

Steering system

- Hydraulic all-wheel steering
- Steering angle max. 2x40
- Rear axle oscillation angle ± 8
- Steering cylinder: 2

Drive system

- Axle: PAL1530
- Drive: Hydrostatic all-wheel drive, driving direction selectable via joystick
- Service brake: Hydrostatic drive acting on all 4 wheels (wear-free)
- Central service and parking brake in drive train acting on all 4 wheels

Hydraulics

- 3rd Front control circuit proportional via joystick, incl. double detent
- Hydraulic oil cooler
- vls (Vertical Lift System)
- Discharge dampening in telescopic cylinder and lifting cylinder (Lifting)

Operator's cab & Cabine

- Cab with heating and ventilation ROPS / FOPS tested with VSG safety window on the right side
- Comfort seat with safety belt
- Hydraulically pilot-controlled joystick with direction switch and proportional telescopic function
- Operating hour meter
- Fuel display
- Roof window wiper
- Tilt display

Other

- Worklights 1 front and 1 rear
- Reversing warning device (acoustic)

Loading system

- Lowering brake valve (pipe breakage protection lifting and tipping cylinder)

Quick change plates

- Weidemann mechanical

EquipCare (Telematics)

- EquipCare 36 months (incl. App & Manager)

Options

Operator's cab & Cabine

- Radio preparation (antenna, loudspeaker)
- Radio complete
- Air conditioning system
- Protective grille front windshield
- Steering column adjustable (inclination and height)
- Cab elevation (+ 200 mm)

Operator's seat

- Fabric seat; heated seat (MSG20)
- Leatherette seat (MSG20)
- Leatherette seat; heated seat (MSG20)
- Fabric seat; air suspension (MSG 93 AL722)
- Fabric seat; air suspension; heated seat (MSG95 AL722)

Lighting

- Lighting according to StVZO
- Additional worklights, 1 front, 1 rear
- Telescopic arm worklights, 1 front
- LED worklights, 2 front and 2 rear
- Telescopic arm LED worklights, 1 front
- Rotating beacon (yellow), (National regulations must be observed!)

StVZO – equipment

- Individual operating permit > 25 km/h
- Individual operating permit > 25 km/h
- Registration plate mounting

Engine

- Engine pre-heating (coolant) + hydraulic oil pre-heating 230 V
- Manual throttle
- Cyclone prefilter

Drive system & Axles

- PAL1530 axle, hydrostatic high-pressure all-wheel drive, 20 km/h
- PAL1530 axle, hydrostatic high-pressure all-wheel drive, 30 km/h
- 30 km/h (speed increase)
- Manual inching (slow speed device)
- Adjustment steering modes

Tires

- 325/70 R 18 AS ET0, profile AS, width 1860 mm
- 425/50-18 AS ET36, profile AS, width 1874 mm
- 10.5/80-18 EM ET0, profile EM, width 1800 mm
- 15.5/55 R 18 EM ET50, profile EM, width 1800 mm
- 12.0/75-18 MPT ET0, profile MPT, width 1830 mm
- 425/50-18 Alptrak ET36 Starco, profile Alptrak, width 1870 mm

Loading system

- Load swing damping

Quick change plates

- Weidemann hydraulic
- Euro hydraulic
- Skid Steer hydraulic
- SMS hydraulic

Hydraulics in front

- Pressureless return in front
- High flow - power hydraulics single acting 100 l/min: Operation: Via switch (0 - 1)
- Switching valve at the front of the 3rd Control circuit (3d Control circuit with 4 connections): Operation: Selection via button on joystick
- 3rd Control circuit electrically proportional serial (loader swing arm can be operated together with 3rd Control circuit)
- Quick coupling Faster 4-fold - machine side

- Quick coupling Faster 4-fold - attachment side
- Pressure release, 3rd Control circuit on telescopic arm

Hydraulics in rear

- Pressureless return in rear
- Additional rear hydraulic connection, double-acting incl. separate control valve: Operation: Via switch (loading swing arm or 3rd Control circuit, can be operated simultaneously)
- Three-point rear lift cat. II (max. lifting capacity 2200 kg)
- PTO 540 rpm
- Three-point rear linkage cat. II / power take-off 540 rpm / additional rear hydraulic connection

Bio-hydraulic oil

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

Electrical connections in front

- Socket front 13-pin (2x electric functions E1/ E2 and lighting), (Operation: Via 2 buttons on the joystick; 1st Function push-button, 2nd Function latching)
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- Socket front 13-pin (2x electric functions E1/ E2 and lighting), (Operation: Via 2 buttons on the joystick; 1st Function latching, 2nd Function latching)

Electrical connections in rear

- Rear 7-pin socket for lighting rear attachments

Other

- Battery cut-off switch 2 circuits
- Hand lever grease press
- Combination bag (warning triangle / first aid kit)
- Tool box
- Closed underbody guard
- Fully automatic central lubrication unit

Warranty extension (not discountable)*

- Demo / Site
- 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)

*The offers regarding the warranty extension in Germany are currently being revised - more information will follow as quickly as possible.

Custom-made paint finish

- Special painting RAL single color - instead of Weidemann red
- Special painting RAL multicolored

Trailer and recovery equipment

- Trailer hitch self-recovery hitch
- Trailer hitch automatic
- Trailer hitch ball head K50
- Mirrors for trailer hitch

Self-propelled work machines with ball hitch

- Trailer hitch automatic