



T6025 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	2,600 U/min
Maximum torque	222 Nm
Cylinder capacity	2,216 cm ³
Type of coolant	Water
Exhaust standard level	V
Exhaust aftertreatment	DOC/DPF
Average sound power level LwA (cabin)	94 dB(A)
Guaranteed sound power level LwA (cabin)	97 dB(A)
Specified sound pressure level LpA (cabin)	70 dB(A)

■ Engine data Option 1

Engine manufacturer	Perkins
Motor type	404J-E22TA
Cylinder	4
Drive output	55 kW
Drive output	75 PS
at max. rpm	2,600 U/min
Maximum torque	270 Nm
Cylinder capacity	2,216 cm ³
Type of coolant	Water
Exhaust standard level	V
Exhaust aftertreatment	DOC/DPF
Average sound power level LwA (cabin)	95.6 dB(A)
Guaranteed sound power level LwA (cabin)	97 dB(A)
Specified sound pressure level LpA (cabin)	71 dB(A)

■ Electrical system

Operating voltage	12 V
Battery	77 Ah
Alternator	120 A

■ Weights

Payload (max.)	2,500 kg
Operating weight	4,650 kg

■ Driver's cab

Driver's cab	Cab
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■ Filling levels

Tank capacity for fuel	95 l
Tank capacity for hydraulic oil	29 l

■ Drive system

Type of drive	ecDrive (Electronic Controlled Drive)
drive unit	hydrostatic via transfer gearbox and universal joint shaft
Speed levels	2
Axle	PAL 1660
Travel speed Standard	0-20 km/h
Travel speed Option 1	0-25 km/h
Travel speed Option 2	0-35 km/h
Operating brake	disc brake
Parking brake	disc brake
Differential lock	100% front axle

■ Hydraulic system

Drive hydraulics working pressure (max.)	410 (470) bar
Work hydraulics discharge volume (max.)	75 l/min
Work hydraulics working pressure (max.)	250 bar

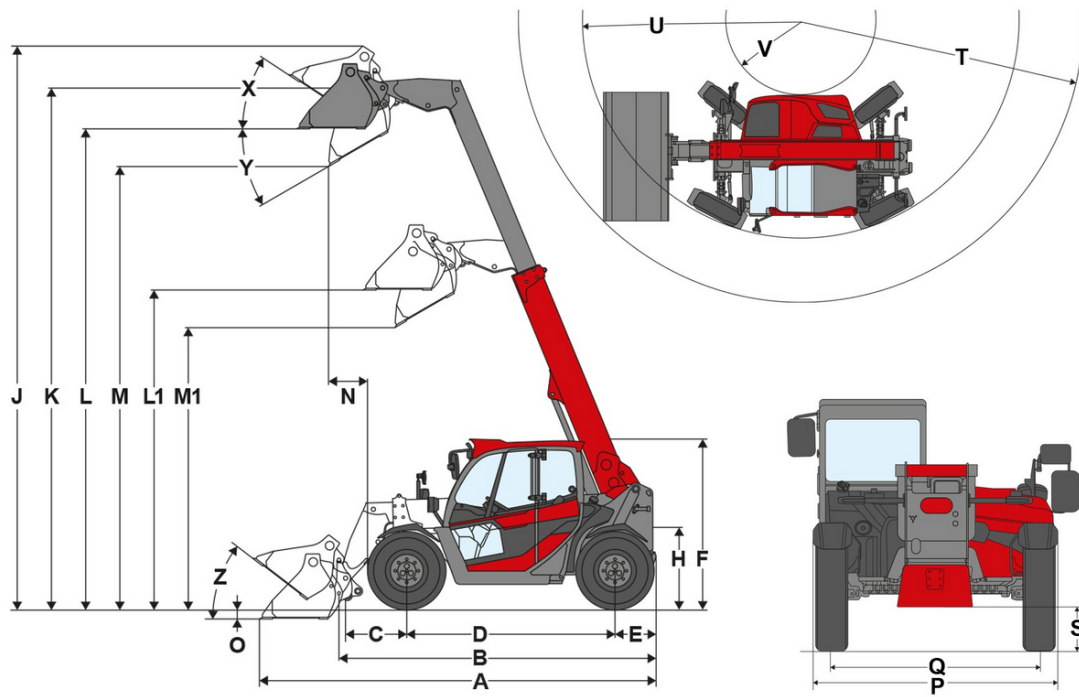
■ Kinematics

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.	2x38 degree
Oscillating angle of the rear axle	± 8 degree
■ Other information	
DPF = diesel particulate filter	
DOC = diesel oxidation catalyst	
SCR = selective catalytic reduction	

Dimensions



	Standard components	10.5 / 80 - 18 BKT AS ET17
A	Total length	4,665 mm
B	Total length without bucket	3,887 mm
C	Bucket pivot point (to center of axle)	720 mm
D	Wheel base	2,449 mm
E	Rear overhang	487 mm
F	Height with cab	1,995 mm
H	Seat height	957 mm
J	Total working height	6,618 mm
K	Bucket pivot point (max. lift height)	6,123 mm
L1	Load-over height telescopic arm retracted	3,747 mm
L	Load-over height telescopic arm extended	5,642 mm
M1	Dumping height telescopic arm retracted	3,307 mm
M	Dumping height telescopic arm extended	5,201 mm
N	Reach (at M)	454 mm
O	Digging depth	121 mm
P	Total width	1,900 mm
Q	Track width	1,660 mm
S	Ground clearance	285 mm
T	Maximum radius	4,337 mm
U	Radius on the outer edge	3,347 mm
V	Inner radius	1,161 mm
X	Rollback angle at max. lift height	34 °
Y	Dumping angle	30 °
Z	Rollback angle on ground	38 °

Standard components

Engine

- Perkins 404J-E22T, {45 kW / 61,2 PS}{45 kW / 60.4 HP} (DOC+DPF) EU: Stage V

Steering system

- Hydraulic all-wheel steering with end position synchronization
- Steering angle max. 2x38°
- Rear axle oscillation angle $\pm 8^\circ$
- Steering cylinder: 2

Operator's cab

- Cabin with heating and ventilation ROPS / FOPS tested with laminated safety glass on the right-hand side
- Front, roof and rear window wipers
- Heated rear window
- Inclination display
- Sun blind
- Armrest

Operator's seat

- Fully damped comfort seat with safety belt, weight, back and height adjustment

Lighting

- LED basic work lights (1000 lm) on the roof, 1 front, 1 rear

Drive system & Axles

- Axle: planetary steering axle PAL1660
- Drive: Hydrostatic all-wheel drive, electronically controlled, ecDrive (Electronic Controlled Drive)
- Driving modes: Auto mode; ECO mode (reduction of engine speed when the set speed is reached)
- Speed: {20 km/h (optional 25 km/h / 35 km/h)}{12.4 mph (optional 15.5 mph / 21.7 mph)}
- Driving speeds: 2 | {10 km/h / 20 km/h}{6.2 mph / 12.4 mph}
- Service brake: Drum brake on the front axle acting on the rear axle via a drive shaft
- Parking brake: Drum brake; operated by a handbrake lever on the front axle, acting on the rear axle via a drive shaft
- Steering type: All-wheel steering

Tires

- 10.5 / 80 - 18 BKT AS 504 ET17, AS profile, width {1904 mm}{74.96 in}, height {1995 mm}{78.54 in}

Loading system

- Telescopic load arm
- Quickhitch facility (Weidemann MV/TH-C) mechanical
- Lifting cylinder: 1
- Tipping cylinder: 1

Hydraulics

- Electric pilot-controlled joystick with travel direction switch and proportional telescopic function
- 3rd control circuit front, electric proportional via joystick
- vls (Vertical Lift System)
- Hydraulic oil cooler

Other

- Reversing alarm (acoustic)

EquipCare (telematics)

- EquipCare 36 months

Options

Operator's cab & Cabine

- Heated windshield right and rear
- Protective grate on front windshield, removable
- Fabric seat; air-sprung; MSG95
- Fabric seat; air-sprung; high backrest; MSG95

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-sprung; heated seat; MSG95
- Fabric seat; air-sprung; heated seat; high backrest; MSG95
- Air-conditioning system
- Radio DAB+-ready (aerial, speaker)
- Radio DAB+ complete
- 1 plug receptacle: 2xUSB
- 2 plug receptacles: 12 V / 3-pole
- 2 sockets: 2xUSB / 3-pole
- Adjustable steering column (inclination and height)
- Internal panoramic mirror
- Cellphone mount

Lighting

- Lighting in accordance with StVZO (German Road Traffic Licensing Regulations)
- Protective headlights
- 2 additional LED Basic work lights at the front
- LED Basic work lights (1000 lm) on the roof, 2 at the rear
- LED Basic work lights (1000 lm) on the telescopic arm, 1 at the front
- 2 additional LED Performance work lights at the front
- LED Performance work lights (2000 lm) on the roof, 2 at the rear
- LED Performance work lights (2000 lm) on the telescopic arm, 1 at the front
- LED rotating beacon (yellow) (National regulations must be observed.)

Approval & Road traffic

- EC Tractor Approval (CoC) (International)
- EC tractor approval (CoC) data confirmation for Germany
- Data confirmation
- Front and rear license plate holder, small

Drive system & Axles

Drive

- Perkins diesel engine / 404 J-E22TA / {55.0 kW (74.8 hp)}{55.0 kW (73.8 hp)}
- Hand throttle
- Preheating: Coolant, hydraulic oil; 230 V, plug type E/F
- Reversible fan

Axles

- PAL 1660 Basic with 100% differential lock
- Planetary axle PAL1660 Economy with 100% differential lock
- PAL 1660 Performance
- PAL 1660 Performance with 100% differential lock

Driving mode

- Driving mode Auto / Eco / M-Drive
- Proportional speed limiter (slow speed device)

Driving speed

- {20 km/h}{12.4 mph} Speed increase
- {25 km/h}{15.5 mph} Speed increase
- {35 km/h}{21.7 mph} Speed increase

Other

- Steering mode adjustment
- Closed underbody protection

Tires

- 425 / 50 - 18 Starco AS ET36, AS profile, width {2003 mm}{78.86 in}, height {2000 mm}{78.74 in}
- 10.5 / 80 - 18 Beefy Baby ET17, EM profile, width {1900 mm}{74.8 in}, height {1910 mm}{75.2 in}
- 15.5 / 55 R 18 Alliance 601 ET50, EM profile, width {1922 mm}{75.67 in}, height {1985 mm}{78.15 in}
- 12.0 / 75 - 18 Alliance 317 ET10, MPT profile, width {1959 mm}{77.13 in}, height {2001 mm}{78.78 in}
- 425 / 50 - 18 Starco Alptrak ET36, Alptrak profile, width {2015 mm}{79.33 in}, height {1993 mm}{78.46 in}

Loading system

Quickhitch plates

- Weidemann HV/TH - C (hydraulic)
- SkidSteer (hydraulic - SAEJ2513 SSL HV)
- Manitou (hydraulic)
- Euro (hydraulic - ISO23206 EURO HV) (incl. two couplings SVK size 3)
- SMS HV (hydraulic)
- Load arm dampening
- Tipping cylinder lock
- Automatic bucket return package &'38; Vibratory function

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- Telescopic arm dirt wiper

Hydraulics

- Oil quantity adjustment 3. Steering committee

Bio-hydraulic oil

- Shell Panolin S4 HLP Synth46 (Biohydraulic oil)

Hydraulics in front

- 3rd control circuit proportional, including continuous function via switch
- Pressureless return line in front (1 x Flatface size 3, plug) incl. leakage oil line (1 x Flatface size 2, plug)
- Reversing valve in front on 3rd control circuit (3rd control circuit with 4 connections)
- Pressure relief 3. Control circuit at the front of the loading system

Hydraulics in rear

- Rear double-acting hydraulic connection via changeover valve (two SVK size 3 couplings)

Electrical connections in front

- Front 13-pin socket (2x electrical functions E1/ E2 and lighting) Operation: Via 2 buttons on the joystick; 1. Function keying, 2. Function latching
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- Front 13-pin socket (2x electrical functions E1/ E2 and lighting) Operation: Via 2 buttons on the joystick; 1. Function keying, 2. Function keying
- Front 13-pin socket (2x electrical functions E1/ E2 and lighting) Operation: Via 2 buttons on the joystick; 1. Function latching, 2. Function latching

Electrical connections in rear

- Rear socket 7-pole for lighting of rear attachments

Safety options

- Rear-view camera
- Ignition key immobilizer (operation: via a coded ignition key)

Custom-made paint finish

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

Other

- Tool box incl. tool set
- Combination bag (warning triangle / first aid kit)
- Fully automatic central lubrication system

Warranty extension

- 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

- Mirror for towbar
- Trailer hitch {38 mm}{1.5 in}, automatic
- Shunting coupling (not approved for trailer operation!)
- Towing hitch ball head K50
- Maneuvering coupling trailer hitch ball head K50
- Automatic towbar towbar ball head K50
- Towbar Auto Hitch

Approval as tractor

- EC tractor approval (CoC) (International)
- EC tractor approval (CoC) + data confirmation for Germany

StVZO – equipment

- data confirmation