



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	2,400 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)	102.5 dB(A)
Guaranteed sound power level LwA (cabin)	104 dB(A)
Specified sound pressure level LpA (cabin)	79 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	2,400 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)	102.5 dB(A)
Guaranteed sound power level LwA (cabin)	104 dB(A)
Specified sound pressure level LpA (cabin)	79 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
--------------	-----

■ 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 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 via transfer case and universal joint shaft, electronic controlled
- Operating modes: Auto Mode; ECO Mode (reduction of engine speed when set speed is reached)
- Speed: 20 km/h (Optional 25 km/h / 35 km/h)
- Travel speeds: 2 | 10 km/h / 20 km/h
- Operating brake: Disc brake on front axle acting on rear axle via universal joint shaft
- Parking brake: Disc brake - actuation via the handbrake lever on the front axle acting on the rear axle via the universal joint shaft
- Type of steering: All-wheel steering

Tires

- 10.5 / 80 - 18 BKT AS ET17 AS tread, width 1904 mm, height 1995 mm

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
- 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 according to StVZO road regulations
- Headlight protection
- 2 additional LED basic front work lights
- 1 additional LED basic rear work light
- 1 LED basic work light on the telescopic arm
- 2 additional LED performance front work lights
- 1 additional LED performance rear work light
- 1 LED performance work light on the telescopic arm
- LED rotating beacon (yellow), (the national regulations must be observed)

Approval & Road traffic

- EC Tractor Approval (CoC) (International)
- EC tractor approval (CoC) data confirmation for Germany
- Data confirmation
- License plate holder front and rear

Drive system & Axles

Drive

- Perkins diesel engine / 404 J-E22TA / 55.0 kW (75 hp)
- Manual throttle
- Pre-heating: Coolant, hydraulic oil; 230 V, plug receptacle type E/F
- Reverse fans

Axles

- PAL 1660 Basic with 100% differential lock
- PAL 1660 Performance
- PAL 1660 Performance with 100% differential lock

Operator mode

- Operator mode Auto / Eco / M-Drive
- Speed limiter proportional (slow speed device)

Travel speed

- 20 km/h Travel speed increase
- 25 km/h Travel speed increase
- 35 km/h Travel speed increase

Other

- Adjustment steering modes
- Closed underbody guard

Tires

- 425 / 50 R 18 Starco AS ET36, AS tread, width 2003 mm, height 2000 mm
- 10.5 / 80 - 18 Beefy Baby ET17, EM tread, width 1900 mm, height 1910 mm
- 15.5 / 55 - 18 Alliance 601 ET50, EM tread, width 1922 mm, height 1985 mm
- 12.0 / 75 R 18 Alliance 317 ET10, MPT tread, width 1959 mm, height 2001 mm
- 425 / 50 - 18 Starco Alptrak ET36, Alptrak tread, width 2015 mm, height 1993 mm

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 & Vibratory function
- 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 release of 3rd control circuit, front

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

Trailer and recovery equipment

- Mirror for towbar
- Trailer hitch 38 mm, 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