Technical data

Perkins 1104D-E44TA max. power
116.9 kW/157 PS
Performance characteristics T3028
106 kW/144 PS @ 2200 rpm
Torque
556 Nm @ 1400 rpm
Displacement
4400 ccm (268 cu inch)
Emission standard
EC Standard 97/68/EC Stage 3A
US EPA 40 CFR 89 Stage 3
Starter
4.2 kW
Alternator
85 A
Battery
2x70 Ah - 760 A
Sound pressure
LpA 77 dB(A)
Sound level
LWA 99.9 dB(A)
Cooling system
5-circuit cooling system
Max. ambient temperature
46°C (115°F)
Tank capacity diesel (tank/chassis tank)
396 l (120 l/276 l) 104.6 gal (31.7 gal/72.9 gal)
Hydraulic system capacity (tank)
200 l (140 l) 52.8 gal (37 gal)
Slewing rate (powerful/fast)
4 rpm; 9 rpm
Slew torque
4800 Nm
Rotation crown wheel
Module 10
Working transverse to slope
70%
Working longitudinally to slope
100%
Turning circle
13 m (42’ 6”)
Travelling speed (powerful/fast)
0-6 km/h; 0-10 km/h (0-4 mph; 0-6.2 mph)
Climbing ability on roads up to
50%
Tensile strength
69 kN (ISO 6015)
Breakaway torque
92 kN (ISO 6015)
Lifting power
3 m/55 kN (6.5 t) 9* 10/55 kN
5 m/28 kN (2.8 t) 16* 5/28 kN
7 m/16 kN (1.6 t) 22* 12/16 kN
Weight
From 10’230 kg (22.553 lb)
Cab
ROPS/FOPS DIN ISO 3471 and DIN 24090

Walking Mobile Excavator

Rugged design

Undercarriage

Precise movement in terrain without damage. Various steering modes displayable.

Ungarriect, heavy-duty boom with long reach and excellent load lifting capacity, which can be fully utilized due to high stability. Centering fix for quick and easy bucket change. Solid connecting rod and sheath. All bolts on boom screwed. Advertising board on left and right on boom.

Boom piping arranged for optimal protection of hydraulic hoses. Five hydraulic connections for accessories such as hydraulic tilt bucket, hammer and grapple bucket.

Hydraulic cylinders
All boom cylinders are provided with end position damping and spherical joint bearing. Cylinders in undercarriage are provided with spherical joint bearings and hose fracture safety valves to ensure that the excavator maintains its position in the event of a failure.

Top performance

Slewing drive
Torque controlled 360° continuous slewing drive with 48kN.m. Axial piston variable speed motor with two operating modes for fast (0-9 rpm) and powerful (0-4 rpm) slewing with maximum positioning accuracy.

Two-speed planetary gearing with automatic disc brake in oil bath. Rugged ball bearing slewing ring module type 10 with hardened tooth profiles.

Drive
Closed hydraulic circuit with separate pump for maximum performance. Driving and working movements can be performed simultaneously. Precise handling through power control. Axial piston variable speed motor with two operating modes for fast (0-10 km/h / 0-6.2 mph) and powerful (0-6 km/h / 0-4 mph) driving with maximum handling precision.

Two-speed planetary gearing with disc brake in oil bath. The parking brake is manually operated via joystick for easy manoeuvrability.

Mobility
Maximum mobility with intelligent all-wheel steering kinematics. Small turning circle and excellent track precision over the entire adjustment range.

Options

S2 4x4

Front tyres
15.5/55R18.8/760 – STANDARD
400/65-17.5 (d=850mm/2’ 8”; 400mm/1’ 3”) – STANDARD
Rear tyres
52x20.5-20 (d=1280mm/4’ 2”; b=525mm/1’ 8”) – STANDARD
600/50-22.5 (d=1170mm/3’ 10”; b=600mm/1’ 11”) – STANDARD
600/50-28.5 (d=1330mm/4’ 4”; b=600mm/1’ 11”) – STANDARD

Technical changes are possible without further notice!

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## Maximum comfort

### Control

Futura® joystick in an optimal ergonomic design for left and right-hand use; guaranteed functionality and reliability. All functions can be selected directly via the joystick, no release of the control necessary (brake, display switching and speed selection).

Three ergonomically arranged pedals for actuating telescopic, driving and additional connection. Plenty of leg room and foot support options including foot rail.

### Instrument panel

Instrument panel with multifunction display for all important operating states:
- Engine speed
- Operating hour meter
- Hour meter
- Fuel gauge
- Hydraulic oil temperature
- Water temperature
- Alarm
- Battery charge indicator
- Engine oil pressure
- Emergency stop
- Overload display

- Toggle switch for speed selection, slewing fast/powerful, washer/wiper system, working light.

### Cab

Comfortable, safety cab with wide door, clear all-round view and plenty of legroom. ROPS and FOPS test according to DIN ISO 3471 and DIN 24090. Continuous inward opening windshield, (without cross member) ensures clear all-round view. Glass roof for maximum visibility.

Low vibration and noise level due to hydraulic suspension and hermetic insulation (Engineered in cooperation with research Universities and Institutions). Air-suspension seat with high backrest and numerous adjustment options.

- Roof sunblind
- Hydraulic one-hand cab tilting device

### OPERATING RANGE

Toggle switch for speed selection, slewing fast/powerful, washer/wiper system, working light.

### TRANSPORT

Cab
- Comfortable, safety cab with wide door, clear all-round view and plenty of legroom. ROPS and FOPS test according to DIN ISO 3471 and DIN 24090. Continuous inward opening windshield, (without cross member) ensures clear all-round view. Glass roof for maximum visibility.

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### ADJUSTMENT RANGE