

KOMATSU

PW160-11

PRELIMINARY



Hydraulic wheeled excavator

Engine power
110 kW / 148 HP @ 2000 rpm

Operating weight
16030-18415 kg

Bucket capacity
max. 1.13 m³

PW160-11

High versatility, low fuel-consumption and
safe performance in tight spaces



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Bucket capacity

max. 1.13 m³

Powerful and environmentally friendly

- NEW** • EU Stage V engine
- NEW** • Lower fuel consumption: -5%
- NEW** • Higher productivity: +5%
- NEW** • Higher uphill travel speed: +30%
- Adjustable idle shutdown
- High lifting capacity

Total versatility

- NEW** • Preparation for tilt rotator and joystick (option)
- Compact design with short tail swing radius
- 2,75 m wide undercarriage (option)
- Additional hydraulic circuit
- Komatsu Integrated Attachment Control (KIAC) (option)
- A wide choice of options



First-class operator comfort

- NEW** • Improved premium air-suspended operator seat with integrated joystick consoles (option)
- NEW** • Automatic digging brake
- Boom suspension system (ECSS) (option)
- KomVision surround view system
- DAB+ radio with Bluetooth®, USB, AUX and hands-free kit (option)

State-of-the-art controls

- NEW** • More ergonomic steering wheel
- NEW** • Speedometer for road homologation
- Proportional controls for attachments
- Optional joystick steering system
- 6 working modes

Easy maintenance

- NEW** • KDPF with 8000 h cleaning interval
- NEW** • Easier access to coolant and AdBlue® tank
- Extended undercarriage maintenance interval
- Centralised greasing system
- User-friendly location of the electric refuelling pump

Safety first

- NEW** • Horn with optimised sound level
- Komatsu SpaceCab™
- KomVision surround view system
- Neutral position detection system
- Anchor point for safer access

Komtrax

- NEW** • Komatsu Wireless Monitoring System
- 4G mobile communications
- Integrated communication antenna
- Increased operational data and reports



A maintenance program for Komatsu customers

Engine

Model	Komatsu SAA4D107E-5
Type	Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel
Engine power	
at rated engine speed	2000 rpm
ISO 14396	110 kW / 148 HP
ISO 9249 (net engine power)	110 kW / 148 HP
No. of cylinders	4
Bore × stroke	107 × 124 mm
Displacement	4.5 l

Transmission

Type	Fully automatic power shift transmission with permanent 4 wheel drive
Max. travel speeds	
Hi / Lo / Creep	35,0 / 10,0 / 2,5 km/h
A max. speed restriction of 20 km/h is available as an option	

Steering system

Minimum turning radius	6.790 mm (to center of outer wheel)
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Hydraulic system

Type	HydrauMind. Closed-centre system with load sensing and pressure compensation valves
Additional circuits	Depending on the specification up to 2 additional proportional control & quick-coupler circuits can be installed
Maximum pump flow	294 l/min
Relief valve settings	
Implement	380 kg/cm ²
Travel	420 kg/cm ²

Environment

Engine emissions	Fully complies with EU Stage V exhaust emission regulations
Noise levels	
LwA external	102 dB(A) (2000/14/EC Stage II)
LpA operator ear	69 dB(A) (ISO 6396 dynamic test)
Vibration levels (EN 12096:1997)	
Hand/arm	≤ 2.5 m/s ² (uncertainty K = 0.49 m/s ²)
Body	≤ 0.5 m/s ² (uncertainty K = 0.16 m/s ²)
Contains fluorinated greenhouse gas HFC-134a (GWP 1430). Quantity of gas 0.9 kg; CO ₂ equivalent 1.29 t	

Operating weight (appr.)

Undercarriage attachment type	Mono boom	Two-piece boom
Without	16030 kg	16360 kg
Rear blade	16900 kg	17230 kg
Rear outrigger	17055 kg	17385 kg
2 outriggers + blade	17925 kg	18255 kg
4 outriggers	18080 kg	18415 kg

Operating weight, including specified work equipment, 2.500 mm arm, operator, lubricant, coolant, full fuel tank, bucket (475 kg) and the standard equipment.

Working range (Two-piece boom)

Arm length	2100 mm	2500 mm	3000 mm
A Max. digging height	9630 mm	9930 mm	10370 mm
B Max. dumping height	7150 mm	7450 mm	7895 mm
C Max. digging depth	4055 mm	4430 mm	4945 mm
D Max. digging reach	8535 mm	8905 mm	9405 mm
E Max. digging reach at ground level	8340 mm	8720 mm	9230 mm
F Min. swing radius	2330 mm	2425 mm	2655 mm

