KOMATSU

PW160-11



Hydraulic wheeled excavator

Engine power

110 kW / 148 HP @ 2000 rpm

Operating weight 16030-18415 kg

Bucket capacity

max. 1.13 m³

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

- EU Stage V engine
- **NEW** Lower fuel consumption: -5%
- NEW Higher productivity: +5%
- NEWHigher 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

 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

Mee
 More ergonomic steering wheel

- 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

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

Komtrax

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



A maintenance program for Komatsu customers

Engine

Model	Komatsu SAA4D107E-5		
Туре	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	4.51		

Transmission

Туре	Fully automatic power shift transmission with permanent 4 wheel drive
Max. travel speeds	3
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

HydrauMind. Closed-centre system with load sensing and pressure compensation valves
Depending on the specification up to 2 additional proportional control & quick-coupler circuits can be installed
294 l/min
380 kg/cm ²
420 kg/cm ²

Environment

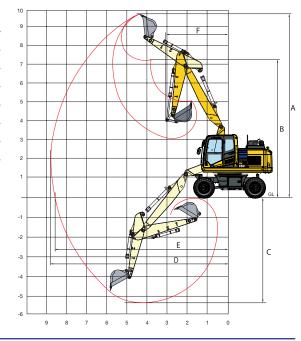
Engine emissions	Fully complies with EU Stage V exhaust emission regulations	
Noise levels	-	
LwA external	102 dB(A) (2000/14/EC Stage II)	
LpA operator ear	69 dB(A) (ISO 6396 dynamic test)	
Vibration levels (EN 12096:1997)		
Hand/arm	$\leq 2.5 \text{ m/s}^2 \text{ (uncertainty K = 0.49 m/s}^2\text{)}$	
Body	\leq 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.)	Mono boom	Two-piece boom
Undercarriage attachment type		
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
Α	Max. digging height	9630 mm	9930 mm	10370 mm
В	Max. dumping height	7150 mm	7450 mm	7895 mm
С	Max. digging depth	4055 mm	4430 mm	4945 mm
D	Max. digging reach	8535 mm	8905 mm	9405 mm
Е	Max. digging reach at ground level	8340 mm	8720 mm	9230 mm
F	Min. swing radius	2330 mm	2425 mm	2655 mm



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