

PRELIMINARY



Hydraulic wheeled excavator

Engine power
110 kW / 148 HP @ 2000 rpm

Operating weight
15125-17360 kg

Bucket capacity
max. 0.94 m³

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



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Powerful and environmentally friendly

- NEW** • EU Stage V engine
- NEW** • Higher engine power: +20 kW
- 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

- 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 |
| 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 | 6.450 mm (to center of outer wheel) |
|------------------------|-------------------------------------|

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 | 252 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 | 101 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 = 0.34 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 | 15125 kg | 15365 kg |
| Rear blade | 15855 kg | 16090 kg |
| Rear outrigger | 16125 kg | 16360 kg |
| 2 outriggers + blade | 16855 kg | 17090 kg |
| 4 outriggers | 17125 kg | 17360 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 | 9280 mm | 9570 mm | 9985 mm |
| B Max. dumping height | 6805 mm | 7095 mm | 7510 mm |
| C Max. digging depth | 4885 mm | 5285 mm | 5785 mm |
| D Max. vertical wall digging depth | 3555 mm | 4000 mm | 4495 mm |
| E Max. digging depth of cut for 2440 mm level | 4515 mm | 4935 mm | 5460 mm |
| F Max. digging reach | 8355 mm | 8735 mm | 9230 mm |
| G Max. digging reach at ground level | 8165 mm | 8555 mm | 9060 mm |
| Min. swing radius | 2755 mm | 2855 mm | 3220 mm |

