

KOMATSU

WA270-8

EU Stage IV Engine

WHEEL LOADER

PRELIMINARY



WA270

ENGINE POWER

115 kW / 153 HP @ 2.000 rpm

OPERATING WEIGHT

12.880 - 13.330 kg

BUCKET CAPACITY

2,0 - 2,5 m³

INCREASED FUEL EFFICIENCY AND ENVIRONMENTAL PERFORMANCE

Powerful and Environmentally Friendly

- NEW** • EU Stage IV engine
- Highly efficient hydrostatic drive line
- NEW** • High efficiency buckets
- Komatsu SmartLoader Logic
- Eco-gauge & adjustable idle shutdown

First-Class Comfort

- NEW** • New, air-suspended operator seat with integrated multifunction lever console
- Low-noise design
- Rear-view camera system
- NEW** • Finger joystick steering system (option)
- Large multifunctional monitor



PZ-linkage

- Combines advantages of Z-bar linkage with parallel lift
- Fast pallet handling
- Excellent break-out force and easy bucket fill
- High tilt forces give perfect control of heavy attachments
- Auto bucket tilt-in avoids material spillage when lifting

Responsive hydrostatic drive line (HST)

- Instant response for fast loading cycles
- Easy control in confined areas
- Advanced traction control system for best traction and minimized tyre wear (K-TCS)
- Top speed selection for increased safety

Easy maintenance

- Wide core radiator with auto reversible fan speeds up cleaning
- Factory fitted automatic lubrication system
- Large gull-wing doors for easy access to service points

KOMTRAX™

- Komatsu Wireless Monitoring System
- NEW** • 3G mobile communications
- Increased operational data and fuel savings
- NEW** • Integrated communication antenna



New, low consumption EU Stage IV Komatsu SAA6D107E-3 engine.



New, high efficiency buckets with new shape for easier and more efficient material handling.



New operator seat and optional new joystick steering for maximum operator comfort.



New full rear fenders are standard.




Complimentary maintenance program for customers

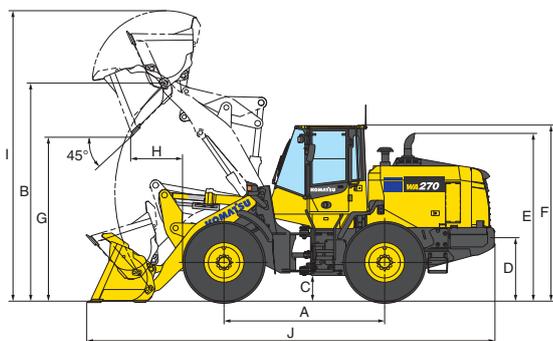
ENGINE

| | |
|-----------------------------|---|
| Model | Komatsu SAA6D107E-3 |
| Type | Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel |
| Engine power | |
| at rated engine speed | 2.000 rpm |
| ISO 14396 | 115 kW/153 HP |
| ISO 9249 (net engine power) | 111 kW/149 HP |
| No. of cylinders | 6 |
| Bore × stroke | 107 × 124 mm |
| Displacement | 6,69 l |
| Fan drive type | Hydraulic, reversible |
| Batteries | 2 × 92 Ah |
| Alternator | 90 A |

TRANSMISSION

| | |
|--|---|
| Drive system | Electronically controlled hydrostatic transmission, switchable in all directions under full power |
| Hydrostatic pump | 1 variable piston pump |
| Hydrostatic motor | 2 variable piston motors |
| Speed ranges (forwards/backwards) | 4/4 |
| Max. travel speeds (forwards/backwards) (tyres 20.5 R25) | |
| 1. speed range | 1-13 km/h |
| 2. speed range | 13 km/h |
| 3. speed range | 19 km/h |
| 4. speed range | 38 km/h |

DIMENSIONS



Dimensions

| | | |
|---|----------------------------------|----------|
| | Tread | 1.930 mm |
| | Width over tires | 2.505 mm |
| A | Wheelbase | 2.900 mm |
| B | Hinge pin height, maximum height | 3.965 mm |
| C | Ground clearance | 465 mm |
| D | Hitch height | 950 mm |
| E | Overall height, top of stack | 3.050 mm |
| F | Overall height, ROPS cab | 3.200 mm |

with 2,3 m³ stockpile bucket

| | | |
|---|----------------------------------|----------|
| G | Max. dumping height | 2.975 mm |
| H | Reach at max. height | 945 mm |
| I | Operating height, fully raised | 5.285 mm |
| J | Overall length, bucket on ground | 7.360 mm |

HYDRAULIC SYSTEM

| | |
|--|--|
| Type | Komatsu CLSS (Closed Centre Load Sensing System) |
| Hydraulic pump | Variable piston pump |
| Working pressure | 320 kg/cm² |
| Maximum pump flow | 150 l/min |
| No. of hydraulic/bucket cylinders | 2/1 |
| Type | Double-action |
| Bore diameter × stroke | |
| Boom cylinder | 110 × 717 mm |
| Bucket cylinder | 140 × 480 mm |
| Hydraulic cycle with rated load bucket filling | |
| Raise time | 6,0 s |
| Lowering time (empty) | 3,0 s |
| Dumping time | 2,0 s |

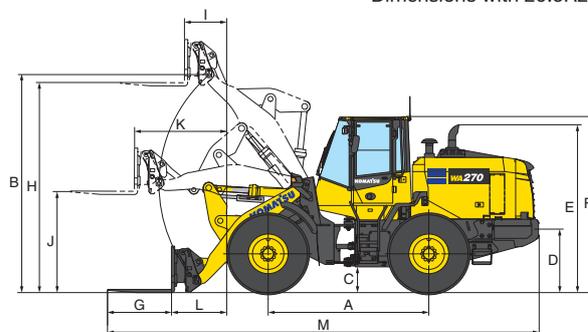
CHASSIS AND TYRES

| | |
|------------|---|
| System | 4-wheel drive |
| Front axle | Komatsu HD axle, semi-floating (LSD-differential optional) |
| Rear axle | Komatsu HD axle, semi-floating, 20° swing angle (LSD-differential optional) |
| Tyres | 20.5 R25 |

ENVIRONMENT

| | |
|------------------|--|
| Engine emissions | Fully complies with EU Stage IV exhaust emission regulations |
| Noise levels | |
| LwA external | 104 dB(A) (2000/14/EC Stage II) |
| LpA operator ear | 68 dB(A) (ISO 6396 dynamic test) |

Dimensions with 20.5R25 tyres



with fork tines

| | | |
|---|---------------------------------------|----------|
| G | Fork tine length | 1.220 mm |
| H | Ground to top of tine at maximum lift | 3.825 mm |
| I | Reach at maximum lift | 810 mm |
| J | Ground to top of tine | 1.840 mm |
| K | Reach | 1.715 mm |
| L | Reach on ground | 1.055 mm |
| M | Overall length | 7.915 mm |
| | Operating load | 3.200 kg |