

# KOMATSU®

## WA380-6

**WA**  
**380**

### MÃ LỰC

Gross: 143 kW 192 HP / 2100 vòng/phút

Net: 142 kW 191 HP / 2100 vòng/phút

### TRỌNG LƯỢNG VẬN HÀNH

17510 – 18570 kg

### DUNG TÍCH GẦU

2.7 – 4.0 m<sup>3</sup>



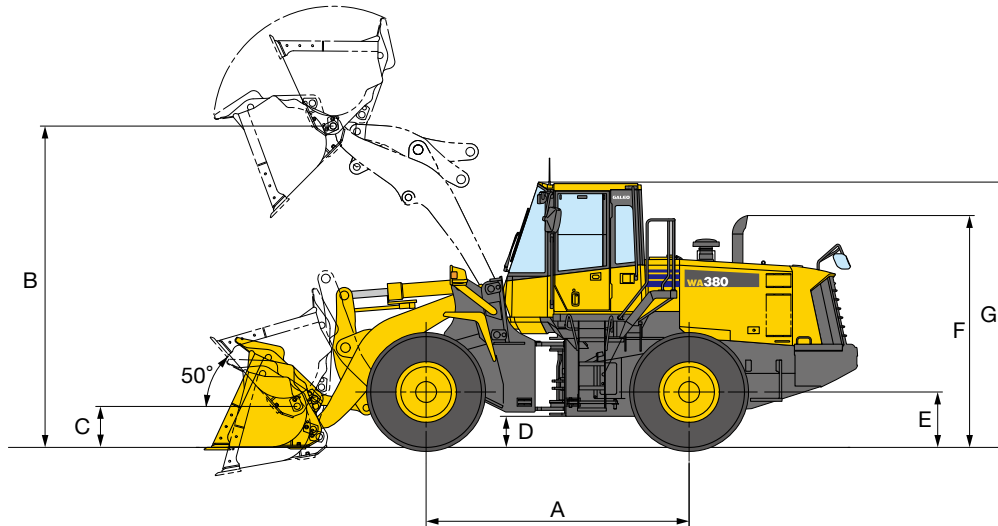
Hình trên đã bao gồm các trang bị tùy chọn.



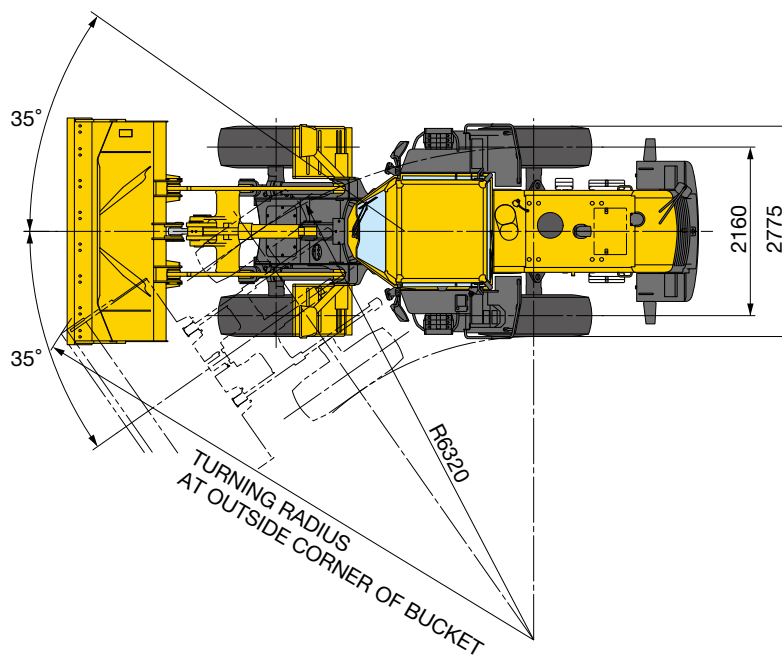


## DIMENSIONS

Measured with 23.5-25-16PR (L-3) tires



|                                    | Standard Boom | High Lift Boom |
|------------------------------------|---------------|----------------|
| Tread                              | 2160 mm       |                |
| Width over tires                   | 2775 mm       |                |
| A Wheelbase                        | 3300 mm       |                |
| B Hinge pin height, max. height    | 4095 mm       | 4625 mm        |
| C Hinge pin height, carry position | 520 mm        | 680 mm         |
| D Ground clearance                 | 455 mm        | 455 mm         |
| E Hitch height                     | 1150 mm       | 1150 mm        |
| F Overall height, top of the stack | 2975 mm       | 2975 mm        |
| G Overall height, ROPS cab         | 3390 mm       | 3390 mm        |





## DIMENSIONS

Measured with 23.5-25-16PR (L-3) tires

| Standard Boom   |               | General Purpose Buckets |                    | Excavating Bucket     |                    |                    | Loose Material Bucket | Light Material Bucket |
|---|---------------|-------------------------|--------------------|-----------------------|--------------------|--------------------|-----------------------|-----------------------|
|   |               | Bolt-on Cutting Edges   | Teeth              | Bolt-on Cutting Edges | Teeth and Segments | Teeth              | Bolt-on Cutting Edges | Bolt-on Cutting Edges |
| Bucket capacity:  | heaped        | 3.3 m <sup>3</sup>      | 3.1 m <sup>3</sup> | 2.9 m <sup>3</sup>    | 2.9 m <sup>3</sup> | 2.7 m <sup>3</sup> | 3.6 m <sup>3</sup>    | 4.0 m <sup>3</sup>    |
|   | struck        | 2.9 m <sup>3</sup>      | 2.7 m <sup>3</sup> | 2.4 m <sup>3</sup>    | 2.4 m <sup>3</sup> | 2.3 m <sup>3</sup> | 3.0 m <sup>3</sup>    | 3.4 m <sup>3</sup>    |
| Bucket width  |               | 2950 mm                 | 2925 mm            | 2905 mm               | 2925 mm            | 2925 mm            | 2905 mm               | 2905 mm               |
| Bucket weight   |               | 1620 kg                 | 1540 kg            | 1720 kg               | 1765 kg            | 1645 kg            | 1735 kg               | 1835 kg               |
| Dumping clearance, max. height and 45° dump angle*                  |               | 2950 mm                 | 2820 mm            | 3045 mm               | 2925 mm            | 2925 mm            | 2920 mm               | 2855 mm               |
| Reach at max. height and 45° dump angle*                            |               | 1150 mm                 | 1245 mm            | 1055 mm               | 1155 mm            | 1155 mm            | 1170 mm               | 1240 mm               |
| Reach at 2130 mm clearance and 45° dump angle                       |               | 1735 mm                 | 1775 mm            | 1680 mm               | 1730 mm            | 1730 mm            | 1750 mm               | 1780 mm               |
| Reach with arm horizontal and bucket level                          |               | 2590 mm                 | 2750 mm            | 2450 mm               | 2620 mm            | 2620 mm            | 2625 mm               | 2715 mm               |
| Operating height (fully raised)                                     |               | 5600 mm                 | 5600 mm            | 5470 mm               | 5470 mm            | 5470 mm            | 5650 mm               | 5720 mm               |
| Overall length  |               | 8140 mm                 | 8310 mm            | 8000 mm               | 8170 mm            | 8170 mm            | 8175 mm               | 8265 mm               |
| Loader clearance circle (bucket at carry, outside corner of bucket) |               | 14440 mm                | 14550 mm           | 14370 mm              | 14480 mm           | 14480 mm           | 14460 mm              | 14500 mm              |
| Digging depth:  | 0°            | 60 mm                   | 75 mm              | 60 mm                 | 75 mm              | 75 mm              | 60 mm                 | 60 mm                 |
|   | 10°           | 290 mm                  | 330 mm             | 265 mm                | 310 mm             | 310 mm             | 300 mm                | 315 mm                |
| Static tipping load:  | straight      | 14560 kg                | 14660 kg           | 14460 kg              | 14400 kg           | 14555 kg           | 14450 kg              | 14330 kg              |
|   | 40° full turn | 12610 kg                | 12700 kg           | 12505 kg              | 12440 kg           | 12595 kg           | 12490 kg              | 12375 kg              |
| Breakout force  |               | 158 kN                  | 170 kN             | 176 kN                | 183 kN             | 191 kN             | 150 kN                | 144 kN                |
| Operating weight  |               | 17580 kg                | 17510 kg           | 17690 kg              | 17730 kg           | 17610 kg           | 17700 kg              | 17810 kg              |

| High Lift Boom  |               | Excavating Bucket     |                    |                    |
|---|---------------|-----------------------|--------------------|--------------------|
|   |               | Bolt-on Cutting Edges | Teeth and Segments | Teeth              |
| Bucket capacity:  | heaped        | 2.9 m <sup>3</sup>    | 2.9 m <sup>3</sup> | 2.7 m <sup>3</sup> |
|   | struck        | 2.4 m <sup>3</sup>    | 2.4 m <sup>3</sup> | 2.3 m <sup>3</sup> |
| Bucket width  |               | 2905 mm               | 2925 mm            | 2925 mm            |
| Bucket weight   |               | 1720 kg               | 1765 kg            | 1645 kg            |
| Dumping clearance, max. height and 45° dump angle*                  |               | 3575 mm               | 3455 mm            | 3455 mm            |
| Reach at max. height and 45° dump angle*                            |               | 1185 mm               | 1285 mm            | 1285 mm            |
| Reach at 2130 mm clearance and 45° dump angle                       |               | 2205 mm               | 2260 mm            | 2260 mm            |
| Reach with arm horizontal and bucket level                          |               | 2940 mm               | 3110 mm            | 3110 mm            |
| Operating height (fully raised)                                     |               | 5985 mm               | 5985 mm            | 5985 mm            |
| Overall length  |               | 8760 mm               | 8930 mm            | 8930 mm            |
| Loader clearance circle (bucket at carry, outside corner of bucket) |               | 14850 mm              | 14930 mm           | 14930 mm           |
| Digging depth:  | 0°            | 110 mm                | 125 mm             | 125 mm             |
|   | 10°           | 320 mm                | 365 mm             | 365 mm             |
| Static tipping load:  | straight      | 12060 kg              | 12015 kg           | 12130 kg           |
|   | 40° full turn | 10330 kg              | 10290 kg           | 10405 kg           |
| Breakout force  |               | 166 kN                | 173 kN             | 180 kN             |
| Operating weight  |               | 18530 kg              | 18570 kg           | 18450 kg           |

\*At the end of tooth or bolt on cutting edge (B.O.C.).

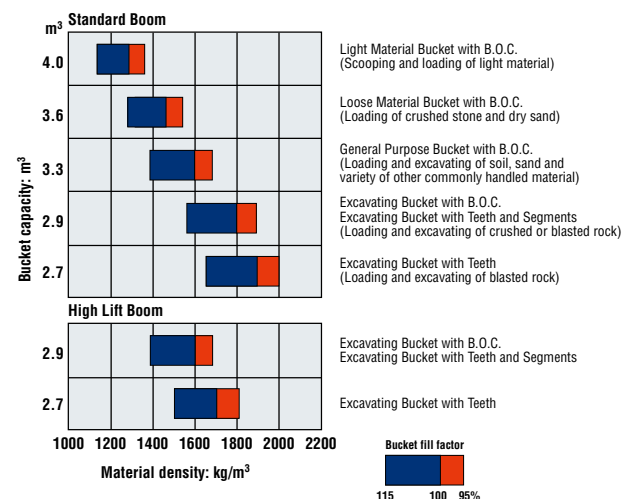
All dimensions, weights, and performance values based on SAE J732c and J742b standards.

Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab, and operator. Machine stability and operating weight affected by counterweight, tire size, and other attachments.


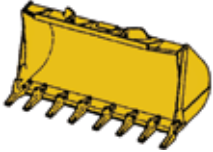
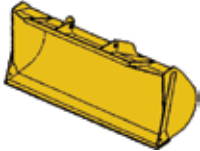
Apply the following weight changes to operating weight and static tipping load.



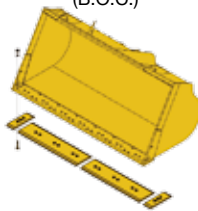


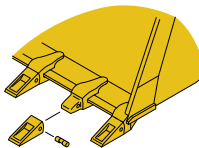
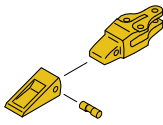
## BUCKET SELECTION GUIDE




**BUCKETS & ATTACHMENTS****■ Buckets**

| Type                               | Feature   | Image   |
|------------------------------------|---|---|
| <b>Stockpile Bucket</b>            | This bucket is used for loading stockpile products, such as crushed rock and construction materials.  |  |
| <b>Excavating Bucket</b>           | This bucket is used for excavating and loading blasted rock on rock crushing job sites, or for excavating natural ground. It has a flat-blade, straight cutting edge, and provides superior rigidity and wear resistance. |  |
| <b>Loose/Light Material Bucket</b> | This bucket is used for loading materials with comparatively light specific gravity. It is based on the general purpose bucket, with a lengthened cutting edge and width to give increased capacity.                      |  |

**■ Cutting Edges and Teeth**

| Type                        | Feature   | Image   |   |
|-----------------------------|---|---|---|
| <b>Cutting Edges</b>        | This edge is made for use in loading loose sand and soil, or for loading stockpiled materials. It is bolted to the leading edge of general purpose buckets and may be detached and reversed. The cutting edges are manufactured from especially heat treated, high tension steel, and since they are reversible, both edges can be used. This effectively doubles their working life. | Bolt on Cutting edges (B.O.C.)<br> | Segment Edges (SE)<br> |
| <b>Teeth (Bolt on type)</b> | These teeth are suitable for loading or excavation of piles of earth or sand, blasted rock, and jobs in the field that involve digging into the side of slopes. The special heat treated, tensile strength steel alloy used in their production assures that they will wear and have a long service life.   |                                    |   |
| <b>Teeth (Tip type)</b>     | These teeth tips which are attached to an adapter that is welded or bolted to the bucket edge. This means that an interchangeable part, the tooth tip, absorbs most of the wear and protects the actual bucket edge. They give excellent performance when used to handle blasted rock, piles of earth and similarly heavy duty tasks.   | Welded adapter<br>                 | Bolt on adapter<br>    |

**■ Grapple**

| Type               | Feature  | Image   |
|--------------------|--|---|
| <b>Log Grapple</b> | This is a special log attachment for use with logs ranging from small-diameter short logs to large-diameter long logs. Its shape enables it to grip the log well with little rolling shock, and it is designed so that the center of gravity of the log is close to the machine body. This enables the machine to maintain its stability when loading and hauling. |  |



## WEIGHT / DIMENSIONS

| Tires or attachments             | Operating weight | Tipping load straight | Tipping load full turn | Width over tires | Ground clearance | Change in vertical dimensions |
|----------------------------------|------------------|-----------------------|------------------------|------------------|------------------|-------------------------------|
|                                  | kg               | kg                    | kg                     | mm               | mm               | mm                            |
| 23.5-25-16PR (L-3)               | 0                | 0                     | 0                      | 2780             | 455              | 0                             |
| 20.5-25-16PR (L-3)               | -970             | -770                  | -680                   | 2695             | 390              | -65                           |
| Install additional counterweight | +340             | +900                  | +755                   |                  |                  |                               |



## STANDARD EQUIPMENT

### ENGINE/POWER TRAIN:

- Engine, Komatsu SAA6D107E-1 diesel
- Service brakes, wet disc type
- Transmission, 4 forward and 4 reverse

### ELECTRICAL SYSTEM:

- Alternator, 60 A
- Back-up alarm
- Back-up lamp
- Batteries, 2 x 12 V/136 Ah
- Directional signal
- Engine shut-off system, electric
- Starting motor, 24 V/5.5 kW

### HYDRAULIC SYSTEM:

- 2-spool valve for boom and bucket controls
- Hydraulic driven fan with reverse rotation
- Lift cylinders and bucket cylinder

### CAB:

- Auto shift transmission with mode select system
- Main monitor panel with Equipment Management Monitoring System
- PPC fingertip control, 2 levers
- Rear defroster (electric)
- Rear view mirror for cab
- Rear window washer and wiper
- ROPS/FOPS (ISO 3471/ISO 3449) cab
- Seat, air-suspension type with reclining
- Seat belt
- Steering wheel, tiltable, telescopic
- Sun visor

### WORK EQUIPMENT:

- Boom kick-out
- Bucket positioner
- Counterweight
- Loader linkage with standard lift boom

### OTHER EQUIPMENT:

- Front fender
- Fuel pre-filter with water separator
- Radiator mask, lattice type
- Tires (23.5-25-16PR, L-3 tubeless)



## OPTIONAL EQUIPMENT

### ENGINE/POWER TRAIN:

- Additional fuel filter with water separator
- Brake cooling system
- Engine pre-cleaner with extension
- Limited slip differential (F&R)
- Lock-up clutch torque converter

### ELECTRICAL SYSTEM:

- 12 V converter
- Batteries, 2 x 12/140 Ah
- Battery disconnect switch

### HYDRAULIC SYSTEM:

- 3-spool valve
- Hydraulic driven fan with automatic reverse rotation
- Secondary steering (ISO 5010)

### CAB:

- Air conditioner
- AM/FM radio
- AM/FM stereo radio cassette
- Auto air conditioner
- Cab heater and defroster
- FNR directional change switch
- Joystick steering
- Multifunction mono-lever
- Seat, deluxe suspension seat

### WORK EQUIPMENT:

- Additional counterweight
- Bucket teeth (bolt-on type)
- Bucket teeth (tip type)
- Counterweight for log
- Cutting edge (bolt-on type)
- High lift boom
- Log grapple
- Segment edges

### OTHER EQUIPMENT:

- Electronically Controlled Suspension System
- Fire extinguisher
- Load meter
- Ordinary spare parts
- Power train guard
- Rear fender
- Rear under view mirror
- Tool kit
- Vandalism protection kit

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