KOMATSU®

WD600-3

NET HORSEPOWER
362 kW 485 HP @ 2000 rpm

OPERATING WEIGHT
42900 kg 94,580 lb

BLADE CAPACITY
8.0 m³ - 22.5 m³ 10.5 - 29.5 yd³

Photos may include optional equipment.
WD600-3 Wheel Dozer Features:

**Walk-Around**

**Komatsu-integrated design** offers the best value, reliability, and versatility. Hydraulics, power train, frame, and all other major components are engineered by Komatsu. You get a machine whose components are designed to work together for higher production, greater reliability, and more versatility.

**Large cab increases operator productivity.**
Operator’s cab provides better visibility, increased comfort, see-at-a-glance console, two-door walk-through, and finger-touch shifting.

**Flat glass cab windows** for improved visibility.

**Retractable seat belt**

**Special rubber-mounted cab**
Improves operator’s overall comfort and productivity. Special silicone-filled rubber cab mounts reduce vibration, noise, and operator fatigue.

**External mounted halogen lights**

**Cylinder buffer rings**
Reduce shock loads to the cylinder packings and prolong cylinder life by 30%.

**Automatic transmission**
With kick-down and transmission hold switch is standard.

**Ground level greasing in centralized service banks** reduces and simplifies maintenance.

**Blade tilt piping**
Is built into the blade pusharms for maximum protection.
It all adds up to more value and better return for your investment. It’s what you should expect when you select Komatsu.

Operator’s air ride seat is standard with a document holder on seat back.

New optional joystick steering system for precise control in tight conditions.

Electric power windows

Under hood mounted muffler provides operator with great rearward vision.

The new emissionized Tier 2
Komatsu SAA6D170E-3 diesel engine provides greater productivity, serviceability, and reliability. Engine oil and filter change intervals have been increased from 250 hours to 500 hours.

Easy access to engine for servicing.
Large doors lock with cab key. Easy access to all engine service points and filters.

Large Capacity rear-mounted fuel tank allows for ground level fueling.

Toolbox for grease gun and tool storage.

Low mount battery boxes for easy checking and servicing.

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Komatsu’s highly productive, innovative technology, environmentally friendly machines built for the 21st century.
Ask the person who runs one — they will tell you the operator’s cab sets the Komatsu wheel loader apart from the others. That’s a productivity feature you can’t ignore. No matter how a machine specs out or how much is promised for productivity, unless the operator can work a full shift without becoming fatigued, you will never get the full measure of promised productivity.

The cab improvements on the WD600-3 go beyond providing a large cab with a comfortable air-ride seat. Improvements include these production-enhancing standard and optional features noted below:

- **A large flat glass windshield** provides the operator an unobstructed view of the working area and attachment.
- **Electric power windows** allow the operator to open windows without reaching or leaving the comfortable air-ride seat.
- **Two-door, walk-through cab.** Good for ventilation as well as easy entry and exit from either side of the cab.
- **Silicone-filled rubber mounts dampen noise and vibration,** reducing fatigue caused by noise. Helps keep the operator productive, all day.
- **Low-effort brake pedals** actuate fully hydraulic brakes. Service brakes utilize two hydraulically-actuated independent circuits for increased safety and are adjustment-free, fully-sealed, wet disc units, preventing intrusion of dirt and dust. Since the brake system does not use air, it provides many benefits such as absence of condensation, dependable braking even in cold conditions, no need for drainage and rust free piping. Charging time after engine starting is drastically shortened and pedal effort is reduced.
- **Steer with ease.** Komatsu’s fully hydraulic steering provides fast response with low effort, even at low engine rpm.

Optional joystick/steering wheel control. The optional joystick and steering wheel control system provides precise steering operation. The joystick steering is ideal in tight conditions, and the steering wheel is available when roading. The combination of these two systems provides a convenient, comfortable, and versatile option to fit all operators and operating conditions.

See the monitor through the steering wheel, not around it. A specially designed two-spoke steering wheel allows the operator to easily see the instrument panel.

Kick-down switch is conveniently located on the blade control. A simple motion of the thumb actuates this valuable productivity feature.

Automatic transmission. Automatic shift control gives the operator maximum control with minimum effort. The transmission hold switch allows the operator to select either automatic or manual shifting. The unique combination of the transmission hold and kick-down switches, located on the hydraulic blade control, offers the operator optimum control in all conditions.

At-a-glance instrument monitor. Monitor is mounted in front of the operator and is tilted for easy view, allowing the operator to easily check gauges and warning lights.

The EDIMOS II (Electronic Display Monitoring System) monitors all machine functions and systems, which are only a glance away on the side panel.
Increased Visibility and Comfort

Increased visibility and those little added touches that make work a little easier.

Keep cool, keep productive with a five-mode air conditioner. Thirteen strategically located vents direct cool air to the operator, maintaining productivity on even the hottest days.

There’s nothing more refreshing than a cold drink on a hot day. The large lunch box holder will help keep your lunch and beverage cool. That’s something to look forward to at lunch or break-time.

Make the time go faster with an auto-tuning AM/FM cassette radio with a digital clock.

Five-mode air conditioner  Lunch box holder  AM/FM cassette radio
**ENGINE**

- Model: Komatsu SAA6D170E-3
- Type: Komatsu SAA6D170E-3
- Aspiration: Water-cooled, 4-cycle
- Number of cylinders: 6
- Bore x stroke: 170 mm x 170 mm
- Piston displacement: 23.15 ltr
- Horsepower rating @ 2000 rpm (SAE J1349): 389 kW
- Gross power: 389 kW
- Flywheel/net power: 362 kW
- Fuel system: Direct injection
- Governor: Electronic, all-speed control
- Lubrication system:
  - Lubrication method: Gear pump, force-lubrication
  - Filter: Full-flow type
  - Air cleaner: Dry type with double elements and dust evacuator, plus dust indicator on monitor

**TRANSMISSION**

- Torque converter:
  - Type: 3-element, single-stage, 2-phase, water cooled
  - Transmission:
    - Type: Full-powershift, planetary gear type
    - Travel speed: Measured with 35/65 R33 L4 tires

<table>
<thead>
<tr>
<th>km/h</th>
<th>1st</th>
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<th>3rd</th>
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<tbody>
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<tr>
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**AXLES AND FINAL DRIVES**

- Drive system: Four-wheel drive
- Front: Fixed, full floating
- Rear: Center-pin support, full floating, 26° total oscillation
- Reduction gear: Spiral bevel gear
- Differential gear: Front conventional, rear locking
- Final reduction gear: Planetary gear, single reduction

**HYDRAULIC SYSTEM**

- Steering Control:
  - Hydraulic pump: Gear pump
  - Capacity: 252 ltr/min (61.3 U.S. gal/min)
  - Relief valve setting: 210 kgf/cm² (3,000 psi)
- Hydraulic cylinders:
  - Type: Double-acting, piston type
  - Number of cylinders—bore x stroke:
    - Blade lift: 1—160 mm x 1080 mm
    - Tilt and pitch: 2—180 mm x 237 mm
- Control valve: 2-spool type
- Control positions:
  - Blade lift: Raise, lower, and float
  - Tilt and pitch: Tilt-left, tilt-right, hold, pitch forward and back

**SERVICE REFFIL CAPACITIES**

<table>
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<tr>
<th>Component</th>
<th>Capacity</th>
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<tr>
<td>Cooling system</td>
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<td>Axle (each front and rear)</td>
<td>124 ltr</td>
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<td>Torque converter and transmission</td>
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**SPECIFICATIONS**

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**WD600-3**

**WHEEL DOZER**

**DIMENSIONS**

<table>
<thead>
<tr>
<th>Tires</th>
<th>35/65-33, 24PR (L4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tread</td>
<td>2650 mm</td>
</tr>
<tr>
<td>Width over tires</td>
<td>3570 mm</td>
</tr>
<tr>
<td>A Overall length, blade on ground</td>
<td>9285 mm</td>
</tr>
<tr>
<td>B Front overhang</td>
<td>2210 mm</td>
</tr>
<tr>
<td>C Wheelbase</td>
<td>4100 mm</td>
</tr>
<tr>
<td>D Ground clearance</td>
<td>495 mm</td>
</tr>
<tr>
<td>E Hitch height</td>
<td>1295 mm</td>
</tr>
<tr>
<td>F Overall height, top of stack</td>
<td>4125 mm</td>
</tr>
<tr>
<td>G Overall height, ROPS cab</td>
<td>4250 mm</td>
</tr>
<tr>
<td>H Blade height</td>
<td>1430 mm</td>
</tr>
</tbody>
</table>

**Blade type**

<table>
<thead>
<tr>
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<th>Straight blade</th>
<th>U-blade</th>
<th>Coal blade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blade capacity (SAE Rated)</td>
<td>8.0 m³ 10.5 yd³</td>
<td>11.5 m³ 15.0 yd³</td>
<td>22.5 m³ 29.5 yd³</td>
</tr>
<tr>
<td>Blade width</td>
<td>5100 mm 16'9&quot;</td>
<td>5190 mm 17'0&quot;</td>
<td>5800 mm 19'0&quot;</td>
</tr>
<tr>
<td>Maximum lift above ground</td>
<td>1500 mm 4'11&quot;</td>
<td>1485 mm 4'10&quot;</td>
<td>1530 mm 5'0&quot;</td>
</tr>
<tr>
<td>Maximum drop below ground</td>
<td>450 mm 1'8&quot;</td>
<td>490 mm 1'7&quot;</td>
<td>490 mm 1'7</td>
</tr>
<tr>
<td>Maximum tilt adjustment</td>
<td>1430 mm 4'8&quot;</td>
<td>1415 mm 4'8&quot;</td>
<td>1530 mm 5'0&quot;</td>
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</table>
STANDARD EQUIPMENT

ENGINE AND RELATED ITEMS:
- Air cleaner, 2-stage dry type with auto dust evacuator
- Air intake extension
- Cooling fan, blower
- Electric cut-off
- Engine, KOMATSU SAA6D170E-3 turbocharged and air-to-air aftercooled Tier 2 emission certified, diesel
  Gross HP: 389 kW @ 2000 rpm
  Net HP: 362 kW @ 2000 rpm
- Starting aid, electrical intake manifold preheater
- Exhaust pipe, curved

ELECTRICAL SYSTEM:
- Alternator, 75 ampere, 24V
- Back-up alarm
- Back-up light, rear
- Batteries, 200 Ah, 2 x 12V
- Horn, electric
- Lights
  - turn signal (2 front, 2 rear) with hazard switch
  - working, halogen (2 front, high low beam with indicator, 2 rear-outside)
  - working lights in cab, halogen (2 front) inside top windshield mount
- Two starting motors, direct electric 15 kW 24 V

POWER TRAIN AND CONTROLS:
- Automatic transmission shift control
- Full floating type axle with conventional front differential
- Lock-up torque converter
- No spin rear differential
- Service brakes, hydraulic, wet-disc type, axle by axle (outboard)
- Parking brake, dry-disc type
- Transmission full powershift, F4-R4 softshift planetary type
- Transmission control, electric with kickdown shift

OPERATOR ENVIRONMENT:
- ROPS/FOPS canopy
- Cab, steel (RH and LH entrance)
  - Air conditioner, heater, defroster, and pressurizer
  - Cigarette lighter/ashtray
  - Dome light
  - Floor mat
  - Wiper/washer front and rear, front intermittent
  - Power windows
  - Rearview mirrors, inside cab mount/outside mount (LH and RH)
  - Seat, air suspension, reclining, with armrests (fabric)
  - Seat belt, 76 mm 3” retractable
  - Steering, full hydraulic power, steering wheel tiltable
  - Steering system, automatic supplemental steering
  - Sun visor

MAINTENANCE MONITOR—ELECTRONIC DISPLAY:
- Central warning lamp for check items
- Central warning lamp for caution items
- Head lamp high beam pilot
- Speedometer, MPH
- Service meter
- Transmission shift indicator
- Turn signal pilot

HYDRAULICS AND CONTROLS:
- 2-spool valve for raise, lower and tilt functions with Pressure Proportional Control (PPC)
- Hydraulic oil cooler

SPECIAL ARRANGEMENTS:
- Engine water conditioner

VANDALISM PROTECTION:
- Caplock and cover for fuel tank
- Paddocks for battery boxes, brake oil tank, engine hood side panel, radiator cap cover and transmission oil filler cover

OTHER STANDARD EQUIPMENT:
- Counterweights
  - Front 1198 kg 2,642 lb
  - Rear 410 kg 904 lb
- Handrails, front LH and RH
- Fenders, full front, partial rear with steps
- Hitch, pin type, rear
- Lifting eyes
- Quick fuel fill, Wiggins type
- Powertrain undertail
- Rims for 35/65-33 (set of 4)
- Straight blade, 8.0 m³ 10.0 yd³

OPTIONAL EQUIPMENT

OPERATOR ENVIRONMENT:
- Auxiliary steering, ground driven with indicator
- Joystick/wheel steering control system
- AM/FM stereo radio cassette

BLADES:
- Full U-blade, 11.5 m³ 15.0 yd³
- Moldboard deduct for allied application
- Coal blade, 22.5 m³ 24.5 yd³

TIRES ONLY (TUBLLESS) SET OF FOUR
- Various L4 and L5 bias tires
- Various L4 and L5 radial tires

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