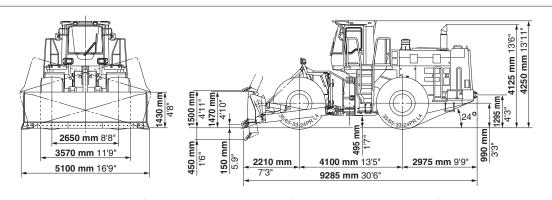
#### **DIMENSIONS**



Blade type	Straight blade	U-blade	Coal blade
Blade capacity (SAE Rated)	<b>8.0 m<sup>3</sup> 10.5 cu.yd</b>	<b>11.5 m³</b> 15.0 cu.yd	<b>22.5 m³</b> 29.4 cu.yd
Blade width	<b>5100 mm</b> 16'9"	<b>5190 mm</b> 17'0"	<b>5800 mm</b> 19'0"
Max. lift above ground	1500 mm 4'11"	<b>1485 mm</b> 4'10"	<b>1530 mm</b> 5'0"
Max. drop below ground	<b>450 mm</b> 1'6"	<b>490 mm</b> 1'7"	<b>475 mm</b> 1'7"
Max. tilt adjustment	1430 mm 4'8"	<b>1415 mm</b> 4'8"	<b>1530 mm</b> 5'0"

### **SPECIFICATIONS**

ENGINE           Model         Komatsu SAA6D170E-3           Type         Water-cooled, 4-cycle           Aspiration         Turbocharged, aftercooled           No.of cylinders         6           Bore x stroke         170mm x 170mm 6.69" x 6.69"           Piston displacement         23.15 ltr. 1,413 cu.in           Performance:         170mm x 170mm 6.69" x 6.69"			
Flywheel horsepower 362 kW 485 HP (SAE J1349)			
<b>362 kW</b> 492 PS (DIN 6270)			
Rated RPM			
Governor Electronic, all-speed control			
Covernor Electronic, an speed control			
TRANSMISSION Torque converter:			
Type3-element, single-stage, 2-phase			
Transmission:			
TypeFull-powershift, planetary gear type			
Travel speed:km/h MPH			
Measured with 35/65-33-24PR tires			
*1st **2nd **3rd **4th			
Forward <b>6.5</b> 4.0 <b>11.8</b> 7.3 <b>20.8</b> 12.9 <b>36.2</b> 22.5 Reverse <b>7.2</b> 4.5 <b>13.0</b> 8.1 <b>23.0</b> 14.3 <b>40.0</b> 24.9  * Torque converter drive  ** Torque converter lockup drive			
AXLES & FINAL DRIVES			

AVEC & LINAL DUILES	
Drive system	Four-wheel drive
Front	
Rear	Center-pin-support, full-
	floating 26° total oscillation
Reduction gear	Spiral bevel gear
Differential gear	
Final reduction gear	
_	reduction, oil bath
BRAKES	
Service brakes	4-wheel, separate front-rear
	wheel, hydraulically actuated,
	wet disc
Parking brake	Dry-disc type, hydraulic released,
_	spring applied on front axle
	input shaft
Secondary brake	Uses parking brake

#### STEERING SYSTEM

0.22	
Type	Articulated type, full-
	hydraulic power steering
Steering angle	40° each direction
Minimum turning radius at the	
center of outside tire	6,980 mm 22'11"

center of outside tire 6,960 min 22 11		
HYDRAULIC SYSTEM Steering system:		
Hydraulic pump	Gear pump	
Relief valve setting Hydraulic cylinders:	<b>210kg/cm</b> <sup>2</sup> 3,000PSI	
Type		
No. of cylinders		
Bore x stroke		
	5.5" x 19.5"	
Dozer control:	0	
Hydraulic pump		
Relief valve setting	<b>210 kg/cm</b> <sup>2</sup> 3,000 PSI	
Hydraulic cylinders: Type	Double-acting niston type	
No. of cylinders-bore x stroke		
Lift cylinder		
Life dy in lader	6.3" x 42.5"	
Tilt and pitch cylinder		
, , , , , , , , , , , , , , , , , , ,	7.1" x 9.3"	
Control valve	Spool type	
Control positions:		
Blade lift control		
Blade tilt and pitch control	Tilt-left, hold and tilt-right, pitch forward and back	

#### **ROPS & CAB**

Structure complies with ISO 3471 and SAE J1040c ROPS (Roll-Over Protective Structure) standards, as well as ISO 3449 FOPS (Falling Object Protective Structure) standards. The cab is mounted on viscous mounts and well insulated.

#### **SERVICE REFILL CAPACITIES**

Cooling system	160 ltr.	42.3 U.S.gal
Fuel tank	670 ltr.	177 U.S.gal
Engine	47 Itr.	12.4 U.S.gal
Hydraulic system	215 ltr.	56.8 U.S.gal
Axle (each front and rear)	124 ltr.	32.8 U.S.gal
Torque converter and transmission	110 ltr.	29.1 U.S.gal

This specification sheet may contain attachments and optional equipment that are not available in your area. Please consult your local Komatsu distributor for those items you may require. Materials and specifications are subject to change without notice.



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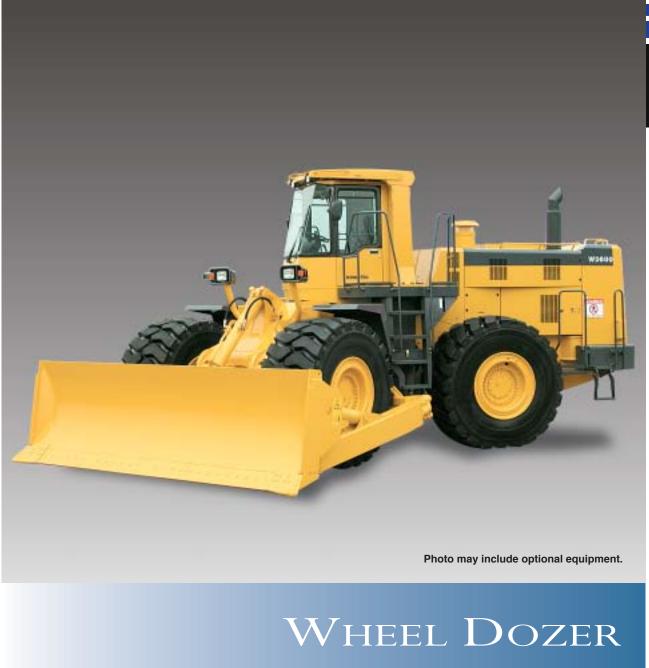
# KOMATSU®

**WD600-3** 

**BLADE CAPACITY** 8.0-22.5 m<sup>3</sup> 10.5–29.4 cu.yd

**OPERATING WEIGHT** 42900-45700 kg 94,580-100,750 lb





## **High Productivity and Reliability**

#### **Proven Power**

The Komatsu SAA6D170E-3 delivers power and efficiency to get the job done quickly and cost-effectively while meeting EPA and EU Tier 2 emission regulations. The engine is a water-cooled, four-stroke, six-cylinder in-line, turbocharged, air-to-air aftercooled, direct injection engine that produces high performance and excellent fuel economy.

#### Flywheel horsepower

# **362**kw **485**HP @ 2000RPM

#### Torque Converter Lockup System

Switching the torque converter lockup system on transmits all of the engine power directly to the transmission for greater efficiency during long pushes. The result is efficient use of engine power, less fuel consumption, and faster cycle times.

#### **Reliable Power Train**

The engine, torque converter and transmission, as well as the hydraulic equipment and electrical parts, undergo strict quality control checks for enhanced reliability and durability.

#### **Durable Blade**

Komatsu blades are manufactured using high-tensile strength steel providing excellent rigidity and increased dozing capacity.

#### **Blade capacities**



#### **Built-in Blade Tilt Piping**

Blade piping is built into the straight frame to protect it from damage.



#### **High-Rigidity Frames**

Front and rear frames are designed to work in the toughest applications and provide high rigidity for the power train and dozer equipment. The high-rigidity frames, together with the reinforced dozer linkage, reduce dozing stress and shock.

#### **High-Quality Paint**

Exterior surfaces are treated with a cationic electro-deposition undercoat and melamine baked final paint for rust resistance and longer service life.

## Non-Spin Differential (Optional)

The field-proven non-spin differential prevents tire slippage on slippery terrain such as soft or sandy ground, so stable travel is ensured and tire wear is reduced to a minimum for maximum tire life

## Maintenance-Free Braking System

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.



### Simple Checks, Easy Maintenance

The main monitor and the maintenance monitor (EDIMOS II) are neatly arranged on the instrument panel for a quick, clear reading of machine functions at all times. The main monitor also has a diagnostic function.



## **Operator Environment**

## Tilt Steering Column & One-Glance Monitors

The steering column can be easily tilt-adjusted to the most comfortable position with one lever. The two-spoke steering wheel allows maximum visibility of the monitor panel and the forward work environment.



## Easy to Use Joystick Steering (Optional)

A joystick steering system has been incorporated to allow steering and forward/reverse selection to be controlled by wrist and finger without the operator having to move his arm from the arm rest.



Automatic transmission is used with joystick steering.

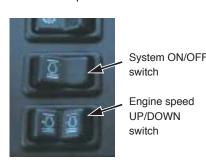
## Faster Pile-Penetration & Dozing

A kick-down switch down-shifts the transmission from forward 2nd to 1st gear, for increased rim pull and improved dozing. When the direction control lever is set to reverse, it automatically up-shifts from 1st gear to 2nd, to reduce cycle time.



## **Engine Speed Setting System**

Activating the system allows the operator to increase (decrease) the engine speed and maintain the desired speed setting. This makes long-distance travelling easy since the vehicle can be operated with operator's foot released from the accelerator pedal.



## **Ergonomically-Designed Controls**

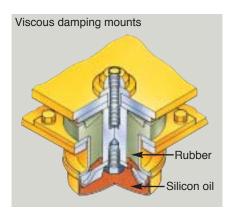
All controls are ergonomically designed to minimize operator fatigue. The steering wheel and instrument panel are similar to those of a car. The blade controls have PPC valves and short-stroke levers, to reduce operator effort. The electrically controlled transmission and finger operated control levers allow direction and gearshift operations to be performed without the operator removing a hand from the steering wheel.

#### Roomy, Quiet Cab With Power Windows

The cab is large, with a comfortably spacious interior and power windows. Also, a wide viewing angle is guaranteed because the cab is pillar-less. The high-capacity air conditioner ensures operator comfort, no matter the exterior conditions.

#### **Low Vibration & Noise**

The cab rests on Komatsu viscous damping mounts (rubber and silicon oil) to reduce vibration and noise. All hydraulic equipment is mounted on high-resistance rubber to further reduce vibration and noise.



#### STANDARD EQUIPMENT

485HP/2,000RPM KOMATSU SAA6D170E-3 diesel engine, C200 battery, 50A alternator, wet type disc brake, electronic display/monitoring system, electrically controlled transmission, torque converter with lockup clutch, tilt steering wheel, engine key stop, engine speed setting system, ROPS bracket, speedometer, adjustable suspension seat, ladders (right & left), front compartment, front fender, head lamps, rear working lights, turn indicators (front & rear), horn, fan guard, counterweight, 4 x 35/65-33-24PR L4 rock deep tread type tubeless tire

#### OPTIONAL EQUIPMENT

U-blade
Coal blade
Joystick steering
ROPS canopy
Steel cab with front wiper,
windshield washer, power window
Air conditioner
Supplementary steering
Non-spin differential (rear axle only)
Fire extinguisher
Power train guard
Tool kit
Ordinary spare parts

Floor mat Heater and defroster Automatic transmission Auto-greasing system Seat belt Sun visor Rear under view mirror Air suspension seat 35/65-33-24PR(L4) tire 35/65-33-30PR(L4) tire 35/65-33-30PR(L5) tire 35/65-R33(L4) tire