**DIMENSIONS**

- **Blade type**
  - Straight blade
  - U-blade
  - Coal blade

- **Blade capacity (SAE Rated)**
  - 8.0–22.5 m³ (10.5–29.4 cu.yd)

- **Operating Weight**
  - 4250 mm (14'11")
  - 495 mm (1'7")
  - 5190 mm (17'0")
  - 5100 mm (16'9")
  - 5.9" (150 mm)
  - 7.3" (184 mm)
  - 94,580–100,750 lb (42,900–45,700 kg)

**SPECIFICATIONS**

**ENGINE**
- Model: Komatsu SAA6D170E-3
- Type: Water-cooled, 4-cycle
- No. of cylinders: 6
- Bore x stroke: 170 mm x 170 mm (6.69" x 6.69")
- Performance: 362 kW (492 PS (DIN 6270))
- Rated RPM: 2,000 RPM
- Fuel system: Direct injection
- Governor: Electronic, all-speed control

**STEERING SYSTEM**
- 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")

**HYDRAULIC SYSTEM**
- Steer pump: Gear pump
- Relief valve setting: 210 kg/cm² (3,000 PSI)
- Hydraulic cylinders:
  - Double-acting, piston type
  - No. of cylinders: 2
  - Bore x stroke: 140 mm x 495 mm (5.5" x 19.5")

**TORQUE CONVERTER**
- Type: 3-element, single-stage, 2-phase
- Relief valve setting: 210 kg/cm² (3,000 PSI)

**TRANSMISSION**
- Type: Full-powershift, planetary gear type

**AXLES & FINAL DRIVES**
- Drive system: Four-wheel drive
- Rear: Center-pin-support, full-floating
- Reduction gear: Spiral bevel gear
- Differential gear: Straight bevel gear
- Final reduction gear: Planetary gear, single 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

**WHEEL DOZER**

**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.

**SERVICE REFILL CAPACITIES**
- Cooling system: 160 ltr. (42.3 U.S.gal)
- Fuel tank: 670 ltr. (177 U.S.gal)
- Engine: 47 ltr. (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.
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
362kW 485HP @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
8.0-22.5m³ (10.5-29.4cu.yd)

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-activated 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.

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.

Simple Checks, Easy Maintenance
The main monitor and the maintenance monitor (EDMOS 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.

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.

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 armrest.

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, ECM, transmission, torque converter with lockup clutch, tilt steering wheel, engine key stop, engine speed setting system, ROPS bracket, speedometer, adjustable suspension seat, ladder (left & right), front compartment, front fender, head lamps, rear working lights, turn indicators (front & rear), horn, fan guard, counter-weight, 4 x 35/65-33-24PR L4 rock deep tread type tubeless tire

OPTIONAL EQUIPMENT
U-blade
Coat 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

Maintenance-Free Braking System
Service brakes utilize two hydraulically-activated 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.

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.

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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.

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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.

Maintenance-Free Braking System
Service brakes utilize two hydraulically-activated 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.

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