

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 lock-up 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-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.

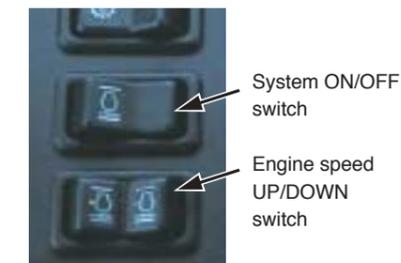
Faster Pile-Penetration & Dozing

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.



System ON/OFF switch
Engine speed UP/DOWN switch

Ergonomically-Designed Controls

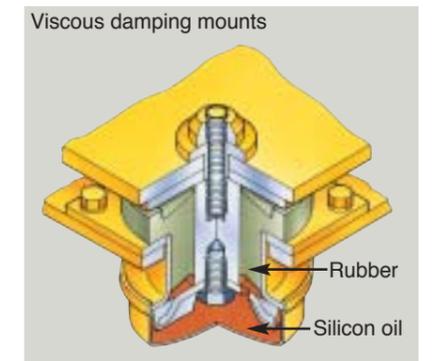
All controls are ergonomically designed to minimize operator fatigue. The steering wheel and instrument panel are similar to those of a car. The blade controls have PPC valves and short-stroke levers, to reduce operator effort. The electrically controlled transmission and finger operated control levers 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
35/65-33-24PR(L5) tire
35/65-33-30PR(L4) tire
35/65-33-30PR(L5) tire
35/65-R33(L4) tire

