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Swing System: A Comprehensive Overview The swing system is a critical component of this heavy machine, featuring six compact planetary transmissions with axial piston motors. The swing ring is equipped with triple race roller bearings, sealed internal gearing, and parking brakes. The wet multiple disc brake system provides added safety features.

Key Features: * Closed-loop swing circuit with torque control for precise motion * Hydraulic braking system for controlled swing motion * Automatic central lubrication system for maximum performance Cab Components: * Pneumatically cushioned seat with lumbar support, heating, and safety belt * Joystick controls integrated into adjustable seat consoles * Fold-away auxiliary seat with safety belt * Rock guard with approved ISO 10262:1998 certification * All-round safety glass, armored windshield, and sliding side windows Operating Specifications: * Operating weight: 1,000 tonnes (1,102 tons) * Bucket capacity: 52.0 m3 (68.0 yd3) with a face shovel operating weight of 1000 tonnes * Maximum swing speed: Sae J1349-compliant * Engine net power: Sae J1995-compliant Board Control System: * Electronic monitoring and data logging system for vital signs and service data * Robust instrument panel with a large 12-inch colored touch-screen display * On-screen PDF documentation, troubleshooting assistance, and graphic charts of logged data The lubrication system of the machine is connected to various components, including raceways of the swing roller bearing, pivot points of attachment, and bottom rollers of undercarriage. The engine module is equipped with a retractable service station underneath, providing easy access from the ground. The system features six 12V batteries in series and parallel, totaling 630Ah of power. Additionally, it includes high-brightness LED spotlights for improved visibility. The equipment is designed to accommodate various fluids, including diesel fuel, engine coolant, pump transmission gear oil, swing transmissions gear oil, engine oil, and hydraulic oil. A grease container is also included. Indicator lights monitor the fuel tanks and grease container levels. The attachment features several innovative designs, such as inspection holes in the boom and stick, pressure-free lowering of the boom and stick using a float valve, and special wear packages for highly abrasive materials. All buckets come with a wear package featuring a special liner material, lip shrouds between teeth, wing shrouds on side walls, and heel shrouds at bottom edges. The shovel attachment boasts unique tripower kinematics, including horizontal and vertical automatic constant-angle bucket guidance, automatic roll-back limiter to prevent material spillage, kinematic assistance to hydraulic forces, constant boom momentum throughout the entire lift arc, and crowd force assistance. Furthermore, the boom and stick are stress-relieved after welding and torsion-resistant, with a welded box design of high-tensile steel and massive steel castings at pivot areas.

Cat 6090 fs specs. Cat 6090. 400 cat engine specs. Cat 6090 fs. Cat 360 specs. Cat 6090 excavator. Cat 6080. Caterpillar 6090 fs specs. Cat 9060. Cat 6090 engine specs.