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You can read the recommendations in the user guide, the technical guide or the installation guide for CATERPILLAR 247B SERIES 3. You'll find the answers to all your questions on the CATERPILLAR 247B SERIES 3 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual CATERPILLAR 247B SERIES 3
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Operating instructions CATERPILLAR 247B SERIES 3
Instructions for use CATERPILLAR 247B SERIES 3
Instruction manual CATERPILLAR 247B SERIES 3

247B/257B Series 3

Multi Terrain Loaders

259B Series 3

Compact Track Loaders



	247B Series 3	257B Series 3	259B Series 3
Engine			
Engine Model	Cat C2.2 T	Cat C3.4 DIT	Cat C3.4 DIT
Net Power (SAE 1349/ISO 9249)	42 kW (56 hp)	53 kW (71 hp)	53 kW (71 hp)
Weights			
Operating Weight	3174 kg (6,997 lb)	3696 kg (8,060 lb)	4062 kg (8,934 lb)
Operating Specifications			
Rated Operating Capacity at 90% Tipping Load	975 kg (2,150 lb)	1213 kg (2,675 lb)	1338 kg (2,950 lb)



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Manual abstract:

The independently suspended undercarriage distributes the load and greatly reduces shock and vibration throughout the machine for a comfortable ride and excellent bucket load retention. The undercarriage also features:

- Heavy duty torsion axles that independently suspend each side of the machine frame for a smoother ride over rough terrain, even at high speeds. Components that are replaceable as individual wear items, reducing owning and operating costs. Low ground pressure: 27.3 kPa (4.0 psi) for the 247B Series 3 and 31 kPa (4.5 psi) for the 257B Series 3.
- Compact Track Loader Undercarriage The Cat 259B Series 3 Compact Track Loader features a fully suspended, steel embedded rubber track undercarriage for versatility, durability and comfort. Heavy-duty torsion axles suspend the undercarriage and can move independently relative to the machine and each other. These axles absorb most of the shock to the machine and operator, especially over rough terrain.

This means smooth travel, even at high speeds, as well as better load retention and greater productivity. The undercarriage also features:

- Steel embedded rubber track that provides excellent durability in a wide variety of applications. Steel rollers with metal face seals for long-term durability and reliability in even the toughest conditions. Simple recoil grease tensioning system for quick track tension adjustment. Two track options standard track width of 320 mm (12.

6 in) or optional 400 mm (15.7 in) track. Low ground pressure: 41.2 kPa (6.0 psi) with the standard track and 34.

4 kPa (5.0 psi) with optional 400 mm (15.7 in) track. 4 Power Train Cat Engine Aggressive performance with fuel efficiency. The high performance power train provides high engine horsepower and torque. The B-Series 3 machines feature rugged, reliable Cat engines that meet U.S. EPA Tier 4 Interim and EU Stage IIIA emissions requirements. Hand and Foot Throttles Hand and foot throttles allow the operator to match engine speed to the task. The hand throttle is ideal for jobs requiring constant engine speed such as cold planing, trenching or snow blowing.

The foot throttle lets the operator vary engine speed and minimize fuel consumption for other tasks such as load and carry, truck loading, grading and dozing. Anti-Stall Feature The anti-stall system maximizes machine power at all times by matching the engine torque with the operational requirements of the hystat and implement systems. This load sensing feature prevents the engine from stalling even during part throttle operation, keeping productivity high and fuel consumption low. Lift Linkages Built for tough jobs. Choice of Lift Designs Two types of lifting arrangements are available vertical lift (path #1 above) and radial lift (path #2) to meet your specific application needs. Two Speed Two speed is available as standard equipment on the 259B Series 3 Compact Track Loader and as an option on the 257B Series 3 Multi Terrain Loader to increase cycle times and get the job done faster. Vertical Lift The 257B Series 3 and 259B Series 3 feature the vertical lift design which provides extended reach and lift height for quick and easy truck loading and material placement. The lift height is 3069 mm (121 in) on the 257B Series 3 and 3046 mm (120 in) on the 259B Series 3. Radial Lift The 247B Series 3, with its radial lift design, delivers excellent digging performance with superior mid-lift reach. 5 Hydraulics Exceptional lift, breakout and power to meet your needs.

High Performance Hydraulic System Maximum power and reliability are built into the machine's hydraulic system. In addition to providing power to the tracks, this system also provides the loader lift and tilt functions, powers the auxiliary circuit to drive work tools and drives the engine cooling fan. The hydraulic pumps are driven directly off the engine for maximum hydraulic performance and reliability no belts are used. The hydraulic system also features:

- Standard auxiliary hydraulics to power work tools that are available through quick connect hydraulic couplings rigidly mounted to the loader arm..



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