

Versatile new Cat[®] Tiltrotators deliver fully integrated solution to increase machine utilization and help lower costs

- Multi-function capability allows for simultaneous 360° rotation and up to 40° left and right tilt
- High-flow hydraulic performance up to 200 l/min (52 gpm)
- One grease point connection with the machine's auto-grease system

MUNICH, Germany, April 7, 2025 – Delivering all-round performance, the new Cat[®] Tiltrotator line helps to deliver significant cost savings by reducing the number of machines and ground staff at the site. The tilt rotate system allows the attachment to simultaneously rotate 360° and tilt up to 40°, allowing tracked excavators to perform a range of tasks – digging, grading and compacting – with more precise movements without repositioning the machine. Less machine repositioning helps to reduce undercarriage wear and lower costs.

“Our fully integrated new TRS12, TRS17, and TRS20 models reduce installation time and show up automatically on the machine’s monitor, allowing it to be easily controlled by the joystick,” says Scott Rosengaard, senior product consultant for Caterpillar. “Our tiltrotators can be used with a wide range of attachments like buckets, grapples, compactors and more, allowing for higher machine utilization and improved productivity. Plus, the new standard tilt sensor delivers precise tilt and rotation angles to the grading system.”

High-flow system

These new models feature a standard high flow swivel, providing up to 200 l/min flow at 250 bar (52 gpm at 3,626 psi) for use with high-flow work tools. Pairing the tiltrotator with a next generation Cat excavator that has a second hydraulic line boosts hydraulic flow and pressure to 250 l/min at 350 bar (66 gpm at 5,076 psi).

New pressure compensated hydraulic valves manufactured with spools provide even better control of the hydraulic flow than previous designs, allowing the tiltrotator to maintain stable rotation speed regardless of tilt speed. A quick-connect interface provides fast hydraulic attachment changes. SecureLock™ uses sensor technology inside the locking cylinder to verify the tool is correctly connected and securely locked to reduce the risk of swinging or dropping tools.

High efficiency

Cat TRS models feature a single grease point connection with the excavator’s auto-grease system, and the

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simple-to-use innovative lubrication system is developed to quickly distribute the right amount of grease to the appropriate points. Double-acting tilt cylinders fitted with a load holding valve ensure the load is securely in position, even in the event of the hydraulic system losing pressure. Providing maximum heat distribution, the worm gearbox is filled with oil for optimum lubrication.

With the new tiltrotator models, operators can change tools without leaving the cab when equipped with the full hydraulic coupler, enhancing safety, productivity, performance, and efficiency.

A plastic cover with built-in electrical harness provides easy connection to the hydraulic valves and simplifies servicing. Frame modification on the new series reduces dirt exposure for the grading sensor, which is further protected by a metal cover.

A complete list of Cat Tiltrotators available by region can be found by visiting a cat dealer or [cat.com](https://www.cat.com).

TILTROTATOR SPECIFICATIONS

Model	Recommended Carrier Weight		Weight		Maximum Bucket Width	
	Minimum	Maximum	kg	lb	mm	in
	tons (lb)	tons (lb)				
TRS12	12 (26,455)	16 (35,274)	513	1,131	1600	63
TRS17	14 (30,864)	19 (41,887)	644	1,420	1700	68
TRS20	18 (39,683)	24 (52,910)	755	1,664	1800	71

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NOTE TO EDITORS

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