

CASE Adds 650M Dozer to M Series Lineup

New 74 horsepower Tier 4 Final dozer replaces previous model; provides increased drawbar pull, improved undercarriage design and other standard features of the M Series dozer line.

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[CASE Construction Equipment](#) announces the 650M—the latest dozer in the M-Series lineup. Replacing the popular 650L, the 74-horsepower dozer has been updated with all of the hallmarks of the CASE M-Series dozers, including a Tier 4 Final FPT engine with Diesel Oxidation Catalyst (DOC) technology. The new 650M also features an enhanced undercarriage with improved track frame, idler, sprockets, rollers and extended-life SALT HD tracks, as well as a reinforced mainframe. Like all M-Series dozers, the 650M comes standard with CASE ProCare for added uptime protection.

CASE M-Series dozers also offer best-in-class drawbar pull, increased horsepower ratings, improved fuel efficiency, industry-leading visibility, customizable controls and pressurized isolation-mounted cabs for optimal comfort.

Productivity

The CASE 650M dozer delivers power and productivity through increased drawbar pull (39,086 pounds) and horsepower rating compared to the previous model, while also reaching Tier 4 Final compliance. It also features a hydrostatic drive system, and an advanced load management system that automatically reduces track speed (increasing torque) with a heavier load on the blade, and increases track speed (reducing torque) with a lighter load on the blade, ensuring that the machine is working at optimal power and efficiency.

Maintenance-free Tier 4 Final Solution

The 650M utilizes DOC technology while maximizing engine horse power and torque without the need for adding complication, weight, or regeneration of other systems with the proven FPT powertrain. There is no DPF regeneration or associated lifetime service costs. This helps maximize uptime and performance – all with minimal maintenance.

Improved Controls

New M-Series Control customizations on the 650M dozer allow the operator to set both steering and shuttle sensitivity to *smooth*, *moderate* or *aggressive*. This allows the operator to adjust machine responsiveness and controls to their preferences as well as to match ground conditions. The 650M controls and hydraulic system have been calibrated for optimum performance and efficiency to build upon the strong legacy of the 650L's performance.

Industry-leading Comfort and Visibility

The 650M features a cab-forward design with standard ROPS canopy. An optional ROPS cab with floor-to-ceiling straight-panel glass doors provides industry-leading visibility down to the blade. A sloped hood and the positioning of the operator provide excellent visibility to the ground in front of the machine. The optional sealed and pressurized cab available on all M-Series dozers helps keep dust and other materials out of the operating environment.

Vibration has been reduced over previous generations with a retuning of both the undercarriage and the cab mounts. Noise is reduced over previous generations (down to 73 dBa), helping to reduce operator fatigue. The new world-class undercarriage sourced from a leading undercarriage design and manufacturing company, not only reduces sound and vibration found in the cab, it also features a smaller front idler, which increases visibility to the bottom of the blade for fine-grading applications. Additional features such as a factory-installed radio and environmental controls further improve operator comfort.

Robust Design, Easy Maintenance

The new M-Series dozers were designed to withstand the harshest operating conditions. Design considerations include a redesigned undercarriage with robust components, a box-style C-frame built for heavy earthmoving, and an updated cooling package that is tested under maintained heavy load conditions and designed to optimize engine and hydraulic temperatures. The 650M cooling system was specially tuned and upgraded to deal with the harsh high heat applications often associated with operating dozers in the 650M size class. Additional components, including the cylinders, electrical system and the rippers have been engineered to last in the toughest conditions.

All daily service checkpoints – including hydraulic components, filters and electrical components – are accessible from the ground and do not require hand tools for access.

Built With the End User in Mind

The 650M comes with three popular track configurations and multiple blade configurations to allow transport without permits, while providing optimal flotation for many applications, as well as the drawbar pull required for tough applications. With some of the deepest grouser teeth in the industry, and the class-leading standard clipped grouser teeth, the 650M delivers in both performance and usability.

CASE ProCare

All M-Series dozers come standard with CASE ProCare, the industry's most complete factory-provided heavy machine coverage and uptime assurance to owners and operators. ProCare includes a three-year, 3,000-hour full-machine factory warranty; three-year, 3,000-hour planned maintenance contract; and a three-year Advanced CASE SiteWatch telematics system.

For more information about the new 650M, or the entire line of CASE M Series dozers, visit CaseCE.com/dozers.

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CASE Construction Equipment sells and supports a full line of construction equipment around the world, including the No. 1 backhoe loaders, excavators, motor graders, wheel loaders, vibratory compaction rollers, crawler dozers, skid steers, compact track loaders and rough-terrain forklifts. Through CASE dealers, customers have access to a true professional partner with world-class equipment and aftermarket support, industry-leading warranties and flexible financing. More information is available at www.CaseCE.com.



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For more information contact:

Bill Elverman

Tel: 262.757.5803

Email: bill@pkamar.com

Brandon Jaynes

Tel: 219.263.8981

Email: brandon@pkamar.com



PRESS RELEASE

CASE Construction Equipment
621 State St., Racine, Wis. 53402
Ph. 262-636-6011
Fax 262-636-0876