



## **NEWS FOR IMMEDIATE RELEASE**

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### **Class Leading Power And Control For Case Dozers**

Case introduces a new range of 3 new M Series dozers at Bauma 2013, offering efficient drivelines with exclusive, increased track life and advanced automated control systems to boost productivity and reduce ownership costs on job sites. The expanded line-up includes 3 models with operating weights from 13-20 tonnes. The new dozer has the best-in-class drawbar pull, reduced noise and exhaust emissions and robust construction for maximum reliability and durability.

#### **Exclusive Tier 4i SCR Engines**

Case M Series models are the only dozers powered exclusively by fuel-efficient, Tier 4 Interim, FPT engines, using a proven Selective Catalytic Reduction (SCR) technology. The benefit is a considerable 10.5% fuel saving, and a 19% increase in productive efficiency, compared to the previous generation of machines, due to the best-in-class engine reaction.

The 1150M and 2050M with its new SCR engine benefit from a 9% power increase, to 134hp (100kW) and 226hp (168kW) respectively, while the engine in the 1650M develops 16% more power, at 162hp (120kW). This increased power output allows the engines to run with less rpm while developing increased torque, providing a boost in drawbar pull and pushing effort..

Both the 1650M and 2050M models now use a V-shaped cooling package that provides an increased cooling surface and improved efficiency. The design incorporates a hydraulic reversible fan, to reduce radiator cleaning intervals, with reduced draw on engine power, as cooling is carried out on demand.

#### **Unbeatable Drawbar Pull**

The M Series dozers use highly-efficient hydrostatic transmissions to deliver a class-leading drawbar pull, of 213.5kN for the 1150M, 311kN for the 1650M and 374kN for the 2050M. With a completely revised transmission layout, the dozers benefit from improved oil cooling, particularly useful in hotter climates, yet delivers a constant power transfer under load.

Operators can select between soft, medium and aggressive reversing and steering mode settings, to match the machine to the ground conditions and

to the driver's preference. The reversing ratio can also be set to meet the operator's requirements for comfort or productivity. The control joystick can be used to select up to 15 speed settings or Proportional Doze Control (PDC) mode. This allows the operator increased accuracy in fine grading operations, improves operator comfort and reduces stress on the dozer frame.

### **Electronic Productivity Boost**

The cab has been positioned 100mm further forward on the M Series dozers, providing maximum visibility of the blade and improved machine balance, while noise levels within the cab have been reduced to just 76dB(A). The Electro-hydraulic joystick controls offer easy integration with most common GPS and laser machine guidance systems. The machines are available with a pre-installation kit from the factory for Topcon, Trimble and Leica blade control systems.

The new blade control joystick incorporates an automated shaking mode for faster blade cleaning and a grading mode that reduces blade speed by 50% for increased accuracy. The Blade reaction can be set in three positions, for the fine leveling, the general dozing tasks or for the heavy dozing applications.

### **Durable Build Quality**

The new Case one-piece frame has been redesigned to improve components access and deliver a reliable performance. The blade cylinder geometry has been optimised for faster reaction to the control lever and increased pushing forces, maximum comfort and precision. A new box-section PAT frame has been designed to be stronger and more durable, particularly when working with an angled blade. For heavier applications the patented Case Equistatic layout, for the Bull Dozer configuration, distributes the pushing effort equally on the two pushing beams, independent of blade tilt. This reduces wear in the frame and in the dozer arm components.

Customers operating in abrasive conditions can opt for Case Extended Life Tracks (CELT) that can deliver up to twice the life of standard lubricated tracks. The CELT track chain uses two coaxial bushes, the outer one of which rotates when in contact with the sprocket, greatly reducing friction wear. The sprocket features less teeth, but with 40% more material in the tooth base, has three times the amount of wear material between the teeth.

Maintenance is easier thanks to the redesigned dozer frame, with all main service points easily accessed. Greasing points are grouped for reduced downtime and the machines use four belly plates to provide rapid access to engine and transmission for service and maintenance. All hydraulic check points and filters, plus the electric fuses can be reached from the ground level.

## Maximum Versatility

All three machines can be ordered with a choice of XLT, WT and LGP tracks and the 2050M is also available in LT configuration for maximum traction in heavy dozing. A wide range of blade configurations is available, including PAT and a foldable PAT with a straight blade. In addition the Bull Dozer specification can be ordered with both straight and Semi-U blade shapes.

A three-shank ripper can be installed and for forestry applications there is dedicated protection available for the cab and machine upperstructure. The undercarriage has also been designed with sloping covers to improve self-cleaning in deep mud conditions.

## Quick Specifications

Model	Engine power	Weight	Drawbar	Blade options
1150M	134hp max	13,000kg*	213.5kN	PAT
1650M	162hp max	16,000kg*	311kN	PAT/Semi-U
2050M	226hp max	20,000kg*	374kN	PAT/straight/Semi-U

\* Weight will vary with different configurations.

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