

CASE
CONSTRUCTION

Crawler Dozers

M SERIES



650M

750M

850M

1150M

1650M

2050M

SINCE 1842



650M



750M



850M



1150M



1650M



2050M



PUT MORE POWER TO THE GROUND

CASE M Series – the industry’s first line of dozers with powerful and efficient SCR (Selective Catalytic Reduction) technology built in**. Best-in-class drawbar pull* and class-leading horsepower provide unbeatable pushing power, while enhanced controls with adjustable settings make it easy to match machine performance to ground conditions or operator preference. Even the cab has been redesigned to be quieter and more comfortable than ever before. More strength. More command. More done. Meet the M Series.

- + Best-in-Class Drawbar Pull*
- + Exclusive SCR Tier 4 Engine**
- + Industry-Leading Visibility
- + Positive-Pressure Cab
- + Shuttle, Steering & Blade Sensitivity Settings***
- + Protected by ProCare

*Excludes 1650M and 2050M

**Excludes 650M and 750M

***Blade sensitivity not available on 750M or 850M

PRECISE CONTROLS, PRODUCTIVE COMFORT



ADJUSTABLE SHUTTLE & STEERING SETTINGS

Whether fine-grading or operating at full speed, comfortable control is crucial to getting the job done right. The M Series lets operators match their preference – or experience level – to the task at hand by adjusting between three shuttle (forward-to-reverse) and steering sensitivity settings: Smooth for subtle adjustments, Moderate for normal operation or Aggressive for quick response.

ENHANCED FINGERTIP BLADE CONTROLS

CASE dozers put convenient blade controls right at your fingertips. Operators can adjust sensitivity of the blade movement to match operator preference and job site requirements on the 1650M and 2050M. Adjustments to blade sensitivity are made through the Advanced Instrument Cluster (AIC). There are also dedicated buttons for automatic Blade Shake to help with shedding material off the blade, and a Fine Grading command, which instantly cuts blade speed by 40% for increased accuracy.



A CLEANER, QUIETER CAB

With an all-new cab, M Series dozers provide true positive pressure with advanced sealing that helps keep out dirt, dust and noise, which creates a working environment with one of the industry's lowest sound ratings. The improved cab relies on a premium air quality system from Sy-Klone®, and also offers an isolated design to reduce cab vibration for a smoother, more comfortable ride.



UNMATCHED VISIBILITY

See objects and obstacles sooner. With an optimized cab-forward design, a sloped hood and relocated door handles, M Series dozers offer excellent vision of the blade edge and a cab-to-ground line-of-sight distance as short as 15 feet 6 inches* – twice as close as competitive models.

*15-foot-6-inch cab-to-ground range on the 2050M with PAT blade

GET MORE CONTROL WITH THIS COPILOT

CASE's SiteControl CoPilot is an easy-to-use system that allows operators to set a desired slope/grade reference, and automatically holds that slope/grade without the need for lasers, masts or GPS (regardless of underfoot conditions). By automatically adjusting the blade position, CoPilot enables operators at any experience level to easily achieve and maintain a smooth surface, slope or grade without the need for additional passes and re-work, reducing fuel and labor costs. Plus, operators can view real-time data on the integrated in-cab display.

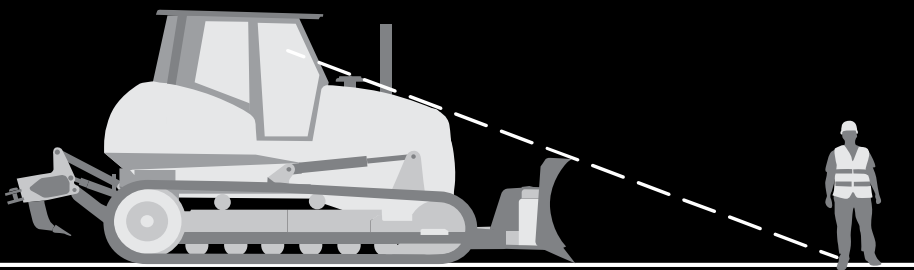


SITECONTROL COPILOT BENEFITS:

- + Reduces the complexity of controlling multiple parameters on a dozer by automatically adjusting critical factors, like cross slope and blade height
- + Allows operators to concentrate on the speed and direction of the machine
- + Ensures correct grades without washboard surfaces or incorrect cross slope of the blade
- + Provides accurate results even when working without a rotating laser, total station or GPS correction source
- + Helps beginner operators deliver professional results
- + Enhances efficiency and reduces costs due to less rework, wear and tear, and training effort
- + Makes your working environment safer by increasing the focus on the area you are grading



Cab-forward design creates exceptional visibility of blade edge.



ALL-POWERFUL





AN EXCLUSIVE TIER 4 SOLUTION

CASE M Series are the only dozers powered exclusively by fuel-efficient SCR technology*. Rather than compromise power, this after-treatment system lets the engine do what it does best – run at peak performance. The hydrostatic transmission is able to deliver the force and drawbar pull required to move more material while achieving up to 10% fuel savings over the L Series. Plus, SCR is simple. No regeneration. No downtime. Just pour and go.

*Excludes 650M and 750M

THE BEST DRAWBAR PULL AND MASSIVE TORQUE

Thanks to a highly efficient hydrostatic transmission, M Series dozers offer massive amounts of torque and horsepower to provide unbeatable pushing power under extreme loads.



PATENTED EQUISTATIC DEVICE BALANCES BLADE STRESS

The intelligent design of our exclusive equistatic device distributes force evenly to both pushing beams regardless of blade tilt or load position. The result? Longer chassis life, reduced wear to arm components and a balanced load that maximizes power. Available on the Semi-U and straight blades for the 1650M and 2050M.



ROBUST C-FRAME*

With dozers so strong, CASE needed to design a new C-frame to support the blade forces. This heavy-duty, one-piece frame is box style instead of slab cut to provide greater durability, especially when working with an angled blade.

*On machines with PAT blades; excludes 650M and 750M



IMPROVED COOLING PACKAGE*

A V-shaped cooling package enables M Series dozers to maintain optimal performance in ambient temperatures up to 122° F (50° C). Its efficient setup, together with a hydraulic reversible fan* with programmable intervals, saves time and money by reducing radiator cleaning intervals and even helping to cut fuel consumption.

*Available on 1650M and 2050M





ATTACHED TO STRENGTH

COMPATIBLE WITH TOP BLADE GUIDANCE SYSTEMS

For enhanced leveling performance, M Series dozers are compatible with the most popular GPS and laser guidance systems. Factory-installed base kits are available for Leica, Topcon and Trimble® electronic blade controls.



CASE SiteControl CoPilot is an easy-to-use system that allows operators to set a desired slope/grade reference, and automatically holds that slope/grade without the need for lasers, masts or GPS. By automatically adjusting the blade position, SiteControl CoPilot enables operators at any experience level to easily achieve and maintain a smooth surface, slope or grade without the need for additional passes and re-work, reducing fuel and labor time data on the integrated in-cab display.

SPECIALIZED KITS AVAILABLE

Several heavy-duty attachments and DIA kits are available to optimize M Series dozers for specialized applications. See your CASE dealer for a complete list of options.

- + Forestry Package
- + Heavy-Duty Landfill Package (1650M and 2050M)
- + Factory-Installed Base Kit
- + Winch
- + Sy Klone Kit (KIT, CAB AIR QUALITY SYSTEM)
- + Closed Shoe-Ultra Life Track
- + Open Shoe-SALT Track

CASE EXTENDED LIFE TRACKS (MAX LIFE & ULTRA LIFE)

M Series can be fitted with our heavy-duty Max Life (650M-1150M) or Ultra Life (1650M-2050M) undercarriage systems, which are ideal for sand and highly abrasive conditions. With hardened rotating bushings that spin freely around the pin to spread load, these extended life options can result in twice the wear life of standard tracks.



MAINTENANCE MADE EASY

SERVICEABILITY IS IN OUR DNA

When you invest in CASE equipment, you need it to last. We make it simple. CASE M Series dozers are no exception. From heavy-duty panels with pressure-closing latches to grouped greasing points, you can do daily maintenance in a matter of minutes. It's the easiest way to help you get the most performance and longest life out of your machine.



Easy access to everything

- 1 Fan belts
- 2 Air filter
- 3 Oil fill
- 4 Oil filter
- 5 Flip-out doors
- 6 Electric fuses
- 7 Multi-functional control valve and hydraulic component access
- 8 Fuel and DEF fill

NO TOOLS NECESSARY

The M Series dozers continue the CASE hallmark of simple serviceability with features like tool-free access to routine maintenance points.



- 9 3 belly pans
- 10 Valves
- 11 Centralized grease points
- 12 Hydraulic test ports
- 13 Engine oil dipstick

Protected by
ProCare

FACTORY WARRANTY
PLANNED MAINTENANCE
TELEMATICS

GO BIG, WE'VE GOT YOU COVERED

CASE ProCare is the industry's most comprehensive and standard-from-the-factory heavy machine support program that's as powerful as the equipment it protects. Best of all, ProCare comes standard on all new M Series crawler dozers and keeps you covered for up to three years. It's the assurance businesses need to stay competitive, productive and profitable.



**3-yr/3000-hr
Full-Machine Factory
Limited Warranty***
STANDARD

**3-yr/2000-hr
Planned
Maintenance**
STANDARD

**3-yr Advanced
SiteWatch™
Subscription**
STANDARD



SUPPORT COMES STANDARD



STRONGER PRODUCT SUPPORT SOLUTIONS

Your CASE dealer knows best how you can maximize your equipment investment and uptime—with genuine CASE parts, expert service and a complete range of product support solutions including CASE remanufactured and all-makes parts. CASE supports better parts availability and faster deliveries through nine parts distribution centers in North America and a forecasting system to ensure that the right parts will be there when you need them. And only CASE dealers have exclusive access to the Electronic Service Tool (EST) that quickly pinpoints machine issues. Just ask your dealer for details.



FLEXIBLE FINANCIAL OPTIONS

Specialized finance programs and flexible leasing packages put you in the driver's seat of industry-leading CASE equipment while no-nonsense warranties and comprehensive protection plans ensure that your equipment is protected. As the only finance company dedicated to CASE, we offer strong products and services designed around your unique needs and are the only ones supported by the helpful service professionals at your CASE dealer.



SPECIFICATIONS AND DIMENSIONS

SPECIFICATIONS	650M WT PAT Blade	750M WT PAT Blade	850M LGP PAT Blade	1150M LGP PAT Blade	1650M LGP PAT Blade	2050M XLT Semi-U Blade
Engine	FPT F5HFL463D	FPT F5HFL413J	FPT F4HFE413P	FPT F4HFE613F	FPT F4HFE613Z	FPT F4HFE613J
Displacement/Cylinders – in³ (L)	208 (3.4)/4	208 (3.4)/4	275 (4.5)/4	409 (6.7)/6	409 (6.7)/6	409 (6.7)/6
Net Horsepower @ 2000 RPM – hp (kW)	68 (50.6)*	92 (69)	112 (84)	127 (95)	150 (112)	214 (160)
Emissions Certification** Solutions	Tier 4 Final (DOC)	Tier 4 Final (DPF)	Tier 4 Final (SCR)	Tier 4 Final (SCR)	Tier 4 Final (SCR)	Tier 4 Final (SCR)
Operating Weight – lb (kg)	16,405 (7 441)	20,666 (9 374)	21,560 (9 779)	31,134 (14 122)	37,750 (17 123)	45,398 (20 592)
Blade Width – in. (mm)***	109 (2 769)	109 (2 769)	124 (3 150)	132 (3 353)	156 (3 962)	135 (3 422)
Blade Capacity – yd³ (m³)	2 (1.48)	2.22 (1.70)	2.62 (2.00)	4.16 (3.18)	5.28 (4.04)	7.29 (5.57)
Maximum Drawbar Pull – lb. (kN)****	39,086 (173.9)	42,813 (190.4)	42,813 (190.4)	48,000 (213.5)	61,200 (272.2)	80,979 (360)
Maximum Travel Speed – mph (kph)	5.0 (8)	5.8 (9.3)	5.2 (8.4)	5.8 (9.3)	5.8 (9.3)	5.8 (9.3)
Total Flow – gpm (L/min)	20.3 (78.8)	20.3 (78.8)	20.3 (78.8)	34.9 (132)	34.9 (132)	40.4 (153)
DIMENSIONS	650M WT PAT Blade	750M WT PAT Blade	850M LGP PAT Blade	1150M LGP PAT Blade	1650M LGP PAT Blade	2050M XLT Semi-U Blade
Height to Top of Cab	8 ft 8 in (2 648 mm)	9 ft 1 in (2 755 mm)	9 ft 1 in (2 770 mm)	9 ft 8 in (2 948 mm)	9 ft 7 in (2 921 mm)	10 ft 2 in (3 103 mm)
Ground Clearance*****	1 ft 2 in (365 mm)	1 ft 2 in (355 mm)	1 ft 2 in (361 mm)	1 ft 1 in (331 mm)	1 ft 1 in (321 mm)	1 ft 1 in (325 mm)
Blade Height**	2 ft 10 in (853 mm)	2 ft 9 in (841 mm)	3 ft 0 in (914 mm)	3 ft 8 in (1 119 mm)	3 ft 10 in (1 167 mm)	3 ft 8 in (1 105 mm)
Blade Lift Above Ground	2 ft 11 in (892 mm)	2 ft 10 in (853 mm)	2 ft 10 in (874 mm)	3 ft 2 in (956 mm)	3 ft 8 in (1 130 mm)	3 ft 10 in (1 168 mm)
Blade Depth Below Ground	1 ft 9 in (533 mm)	1 ft 9 in (531 mm)	1 ft 7 in (483 mm)	1 ft 9 in (539 mm)	1 ft 9 in (539 mm)	1 ft 10 in (545 mm)
Length of Track On Ground	7 ft 1 in (2 160 mm)	7 ft 5 in (2 266 mm)	7 ft 9 in (2 352 mm)	8 ft 6 in (2 591 mm)	10 ft 0 in (3 050 mm)	10 ft 9 in (3 277 mm)
Length, Blade Straight with Ripper	16 ft 3 in (4 951 mm)	16 ft 8 in (5 086 mm)	17 ft 2 in (5 233 mm)	20 ft 2 in (6 150 mm)	21 ft 11 in (6 670 mm)	22 ft 11 in (6 983 mm)
Width, Blade Straight	9 ft 1 in (2 769 mm)	9 ft 4 in (2 845 mm)	10 ft 4 in (3 150 mm)	11 ft 0 in (3 353 mm)	13 ft 0 in (3 962 mm)	12 ft 8 in (3 861 mm)
Width, Over Track	7 ft 0 in (2 122 mm)	7 ft 10 in (2 388 mm)	8 ft 2 in (2 489 mm)	8 ft 0 in (2 438 mm)	9 ft 5 in (2 870 mm)	10 ft 5 in (3 175 mm)
Link Pitch	6.125 in (155.6 mm)	6.73 in (171 mm)	6.73 in (171 mm)	6.9 in (175 mm)	7.5 in (190 mm)	7.98 in (202.8 mm)

*Measured at 2200 RPM

**DOC = Diesel Oxidation Catalyst, DPF = Diesel Particulate Filter, SCR = Selective Catalytic Reduction

***Various blade options available for each track configuration.

****Measured using standard track chain. Increase travel speeds by 4% and reduce drawbar pull by 4% with the optional extended life track chain.

*****Track configuration may impact ground clearance.



BUILDING A STRONG CASE

Since 1842, we at CASE Construction Equipment have lived by an unwavering commitment to build practical, intuitive solutions that deliver both efficiency and productivity. We continually strive to make it easier for our customers to implement emerging technologies and new compliance mandates.

Today, our global scale combined with our local expertise enables us to keep customers' real-world challenges at the center of our product development. This focus has led to numerous innovations like Ride Control™, EZ-EH controls, blade shake, PowerLift™, over-center boom design and the peace of mind that only CASE ProCare provides.

Every CASE machine is backed by more than 300 North American dealer locations, thousands of OEM, remanufactured and all-makes parts, and flexible financing and insurance options that provide the kind of reliable, steadfast support you expect from a professional partner.

We are passionate about improving the lives of others, whether investing in our veterans or raising awareness about local infrastructure initiatives through Dire States. Our goal is to build both stronger machines — and stronger communities.

At the end of the day, we do what's right by our customers and our communities so that they can count on CASE.

CaseCE.com/Dozer

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Replaces Form No. CCE201904Dozer

IMPORTANT: CASE Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your CASE dealer/distributor will be able to give you details of the products and their specifications available in your area.



CASE Construction Equipment is biodiesel-friendly.
NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.



Always read the Operator's Manual before operating equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.