

K

**K SERIES CRAWLER DOZERS
1850K**

CASE
CONSTRUCTION



K Series Dozers

CUSTOMER SUPPORT



The Case dealer: Your professional partner

Start with world-class Case machinery and attachments

Your Case dealer will help you work smarter and faster by selecting equipment that delivers quality, performance and operator comfort. Your dealer has the knowledge and experience necessary to guide you in choosing the right attachments so you can...

- Work faster with less wear on your equipment
- Reduce the number of machines you need
- Increase your capabilities

Let your Case dealer service your machine on the jobsite

You'll be back in the dirt faster when your Case dealer services your equipment on the jobsite. Advantages include...

- Saving time and the cost of transporting machines to and from your dealer
- Reducing costs due to downtime
- Reducing service staff and stocking fewer parts

Manage your equipment better

The Case Care PlusPac™ is a pre-paid maintenance plan designed especially for your machine.

Factory-trained Case technicians perform routine inspections and regular service to detect problems before they start. Other plans, such as the Machine Protection PlusPac, can be purchased to extend protection beyond the base warranty. Add the GlobalTRACS® Fleet Management Communications System to complete your program. GlobalTRACS gives you the information to manage your fleet better while protecting it against theft.

Ask your local Case dealer about adding value and peace of mind to your machine with these helpful programs.



The Heavyweights of the Case K Series... the 1850K Crawler Dozer



Power behind the push

For the really big jobs, you need a crawler dozer with the fortitude to push dirt, mud, or whatever Mother Nature deals on a given day. While the powertrain provides the driving force behind any crawler dozer, you need a heavy-duty engine to power it. The 1850K get their power from high torque, long lasting, 6-cylinder diesel engines that maximize productivity. These rugged engines are extremely durable and feature outstanding fuel economy.

With a 6.7-liter engine powering the 1850K, the dozer keep pushing on, hour after productive hour.

Premium push power

Smart engineering makes the most of power and speed—the torque converter automatically matches speed to load conditions for optimal push power while preventing driveline shock, protecting your investment. Torque multiplication delivers maximum drawbar pull—on the 1850K, that's 65,200 lbs. (290.0 kN) in first gear.

Three-speed Powershift Transmission smoothes the ride

The Case three-speed Powershift Transmission provides outstanding durability and performance, with electronically controlled, smoothly modulated shifts. The Powershift Transmission features two special modes, Auto Shift and Auto Load.

In the Auto Shift Mode, the unit shifts from 1st forward to 2nd reverse, and back to 1st forward for faster, easier, and more efficient operation. This is really handy when you're doing precision grading work.

In the Auto Load Mode, the transmission downshifts automatically when engine RPM drops below the preset speed, allowing you to concentrate on the job.

Auto Load is designed for high speed bearing loads such as light grading.

Doze where you want to...Power Steer moves you in the right direction, wherever it is

The exclusive Case hydraulic variable Power Steer feature delivers maximum power to both tracks. This feature lets you push a full load of material through a turn with no problem. A single, easy-to-use lever controls both direction and steering. The drivetrain delivers outstanding power to each track through beefy double-reduction final drives.



There's absolutely no need to brake or lift the blade to lighten the load when turning—no wonder we call it "Power Steer." This means you'll make fewer passes to move material for greater productivity. You'll find these dozers are much more productive than competitive machines using clutch and brake steer systems. And the Power Steer feature makes the dozer easy to run, improving productivity, reducing operator fatigue, and lowering operating cost per cubic yard.

Maximum maneuverability

Counter-rotation gives you maximum maneuverability. One track moves forward, one track reverses, and the dozer rotates in place. The 1850K can turn within own length.

It doesn't get any better than that.



K Series Dozers

POWER AND VERSATILITY



Blade visibility

Visibility to the blade is important for precision work – even with machines as productive as these. The narrow dash and tapered engine compartment on these dozers permit the operator to see the cutting edge of the blade and monitor material flow off the blade.



Equalizer Beam Suspension

The Case 1850K Dozers feature an oscillating undercarriage, which means the tracks follow the terrain, no matter what the conditions, for outstanding traction, stability and blade control. The oscillating undercarriage makes these dozers highly productive in all kinds of applications, generating greater revenue for your business.



Long Track, Wide Track, and Low Ground Pressure Versions

The 1850K available in a wide variety of undercarriage and blade versions to match application requirements. Correctly matching the machine configuration to the application results in maximum productivity and efficiency, improving your bottom line.

The Long Track (LT) is perfect for rough grading and stumping. Select the Extra Long Track (XLT) version for precision grading and increased flotation. The Wide Track (WT) version provides extra stability and accommodates wider blades for finish grading or slope work. For applications requiring lower ground pressure, the LGP Track version maximizes flotation while providing superb blade coverage. Ask your Case dealer to help you determine the best track/blade combination for your application.

Tapered Track Covers

Smooth tapered track covers are just one of the standard features included on the Case 1850K Dozers to help ensure long life and minimize owning and operating costs. Track covers contribute to longer undercarriage life by minimizing packing and resultant undercarriage component abrasion.



Iso-Mounted Cab/ROPS

The operator platform is isolation mounted from the main frame to cushion your body from the effects of noise and vibration, providing a comfortable ride, reducing fatigue, and increasing your productivity levels.



Power Angle Tilt Option

The Power Angle Tilt (PAT) blade is available as an option on the 1850K. The PAT blade provides the flexibility that today's job sites require. It is ideally suited to backfilling, finish and rough grading, medium dozing, windrowing, V-ditching, and side-slope operation. Simply put, the PAT blade makes a Case 1850K Dozer more versatile.



K Series Dozers

OPERATOR ENVIRONMENT

In this cab, you'll hardly know you're outdoors

The luxurious cab available on the 1850K gives an exceptional view to the blade and provides a comfortable working space you'll tailor to fit your needs. The heating, ventilation, and cooling system keeps the environment just right—no matter what the weather conditions. All cabs are equipped with a mechanical suspension seat, adjustable armrests, feature low dB(A), and are radio-ready. Add in the optional, air-suspension, 15-degree swivel seat, and you'll feel like you're not even working outdoors.

Intuitive controls

Ergonomically designed controls help keep you relaxed yet focused on the job. The intuitive, single-lever steering/directional control and the hydraulic control make operation of these dozers a breeze. If you're a novice operator, you'll be up to speed quickly. If you're highly experienced, you'll be more productive than ever.

Visibility

Expansive, tinted glass provides 360-degree visual command of the entire job site. All-around visibility is outstanding. The tinted glass helps reduce eye strain from long days in the sun, reducing fatigue and increasing productivity.



ATTACHMENTS

To add versatility to your Case Crawler Dozer, equip it with attachments and special packages designed for your application. These include:

**Drawbar
Fairlead/Arches
Forestry Guarding
Rippers**

**Root Rakes
Specialty Blades
Winches**

Please see your Case dealer for special application needs.

SERVICEABILITY

Designed with easy access in mind

Lightning-fast serviceability keeps the 1850K Dozers running at peak performance — when they are most profitable. Easy access to components also reduces owning and operating costs.

Swing-out side shields, grille and belly pans provide quick access to grouped, spin-on filters and make clean-out easy.



Tilt cab provides easy access

Should your 1850K need repair, the operator platform can be tilted in less than 10 minutes to provide convenient access to the drivetrain and hydraulic components for minimized downtime.

A lift-out radiator sand screen, auto belt tensioner, sight gauges for coolant and the hydraulic system, remote drain lines for fluids, and easy-access diagnostic test ports make the 1850K dozers as easy to care for as they are to operate. Contact your Case dealer for a demonstration today.



**1850K CRAWLER DOZER
QUICK SPECS**

LT	1850K
Engine	184 net hp (137 kW)
Operating weight	44,269 lb (20 080 kg)
Blade capacity	7.3 cu yd (5.6 cu m)
Track on ground	106.3 in (2.7 m)

XLT	1850K
Engine	184 net hp (137 kW)
Operating weight	46,649 lb (21 159 kg)
Blade capacity	7.3 cu yd (5.6 cu m)
Track on ground	126 in (3.2 m)

LGP	1850K
Engine	199 net hp (148 kW)
Operating weight	49,450 lb (22 430 kg)
Blade capacity	4.8 cu yd (3.7 cu m)
Track on ground	126 in (3.2 m)



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