



WALK AROUND GUIDE

TD-40E EXTRA CRAWLER DOZER



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The largest DRESSTA TD-40E Extra (Tier 3) Crawler Dozer is the successor of the previous TD-40B, TD-40C and TD-40E models. The TD-40E Extra is powered by environmental friendly Cummins QSK19 engine that delivers 515 net HP. The massive cooling module is equipped with a hydraulically driven cooling fan to handle the cooling characteristics of the engine.

The engine meets EU Stage III A and EPA Tier 3 emission regulations.

A number of features released with the TD-40E Extra includes a gear preselection system and an automatic downshift function that offer the operator a choice of various automatic operating modes, especially useful in repetitive cyclical operations.

TD-40E EXTRA WALK AROUND



1 UNDERCARRIAGE

- o Standard lubricated track system (LTS)
- o Split link track chain to reduce removal and installation time
- o All-welded heavy box section track frames
- o 3-point suspension for traction, blade control and operator's comfort
- o Hydraulic track adjuster (grease-type)
- o Steps for easy and safe cab access



2 DRIVE TRAIN

- o Left-hand joystick for steering control
- o Electro-hydraulic control of transmission and steering
- o Preset travel speed selection
- o Auto-downshift
- o Reliable full powershift transmission
- o 2-speed steering system
- o Double reduction, planetary final drives
- o 6 speeds forward and 6 speeds reverse with full power to both tracks



3 MOUNTED EQUIPMENT

- o Ergonomical right-hand control levers for blade and ripper movements
- o Pilot operated blade and ripper controls
- o Large 18.6 m³ Semi-U blade with hydraulic tilt/pitch for heavy dozing
- o Single-shank ripper w/ hydraulic pitch and pin puller of 1290 mm penetration
- o 6 front and 4 rear lights for maximum night-time visibility



4 ENGINE

- o Cummins QSK19 engine meeting Tier 3 & EU Stage IIIA
- o Direct start, direct injection
- o Air grid heater for cold weather conditions
- o High Pressure Common Rail electronic fuel system for improved performance



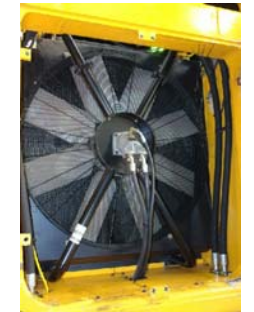
5 AIR CLEANING

- o Pre-cleaner
- o 2-stage air cleaner with exhaust aspirated primary
- o Air cleaner restriction warning light in instrument panel



6 COOLING

- o Multi-block cooling module including CAC, radiator, transmission oil cooler, hydraulic oil/fan drive oil cooler
- o Radiator for engine cooling and to prevent overheating
- o Charge air cooler (CAC) for combustion efficiency
- o Variable speed hydraulically driven fan for excellent cooling efficiency, fuel savings and noise reduction
- o Reinforced, louvered, hinged radiator guard for strength and improved air flow
- o Perforated engine side doors for cooling effectiveness



7 OPTIONAL CONFIGURATION

- o High temperature application dozer for industrial use under extreme temperatures and aggressive environment
- o Hot and arctic climate packages
- o Full-U blade of 22.8 m³ capacity
- o Coal blade of 39.8 m³ capacity
- o Choice of track shoe size
- o Single-shank ripper w/ hydraulic pitch and pin puller of 1670 mm penetration
- o Multi-shank ripper w/ hydraulic pitch and pin puller of 1000 mm penetration
- o Fast fill system
- o Vandalism protection



TD-40E EXTRA WALK AROUND



1 VISIBILITY

- o enlarged side door windows and sloped engine hood for better blade visibility
- o safety glass windows
- o tinted glazing to reduce glare
- o retractable sun visor
- o inside rear view mirror and external side mirrors

2 CAB DESIGN

- o hexagonal steel cab
- o two-door walk-through design
- o FOPS and 2-post ROPS for safety
- o lockable doors w/ holdback
- o gray colored cab interior

3 STORAGE COMPARTMENTS/ AMENITIES

- o 4 wipers w/washers
- o headliner mounted AM/FM radio w/CD player, MP3/USB input and speakers
- o clothes hook
- o manual holder

4 INSTRUMENTS and CONTROLS

- o left-hand joystick with control buttons /switches for steering
- o right-hand joystick/control lever for mounted equipment
- o in-cab receptacle for outside receiver
- o engine speed adjusting knob
- o conveniently arranged brake and decelerator pedals

5 SUSPENSION SEAT

- o air suspension seat designed to absorb vibrations
- o weight adjust control
- o upper back tilt and backrest adjustable
- o adjustable arm rests for optimum comfort
- o retractable 3" wide seat belt
- o swivel 14° to the right for better ripper controllability
- o fabric or vinyl cover available

6 OPERATOR'S ENVIRONMENT

- o sound suppression cab
- o air conditioner, heater, pressurizer/defroster underseat mounted
- o optional cab recirculation systems w/MSHA filters
- o AC condenser behind the roof for increased efficiency
- o ergonomically arranged low effort hand and foot controls
- o sliding side and rear windows



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Specification:

Engine: Cummins QSK19 meets EU Stage IIIA and EPA Tier 3 emission regulations

Gross Horsepower, SAE J1995 560 HP (418 kW) @ 2000 rpm

Net Horsepower, SAE J1349/ISO 9249 515 HP (384 kW) @ 2000 rpm

Operating Weight: 67 700 kg includes standard equipment, Semi-U dozer and single-shank ripper

Blade Capacity: up to 39.8 m³

Blade Selection: Semi-U, Full-U, Coal

Single-Shank Ripper Penetration: 1670 / 1290 mm

Three-Shank Ripper Penetration: 1000 mm

Drive Train Advantages:

Engine: Parts available everywhere, simple to work on, long life. Engine series is common with many different machines

Torque Converter and Transmission: Modular, Easy to work on, Long life, Low cost of repair, High tolerance to contamination

Final Drives: Highly reliable, easy to repair, high tolerance to contamination. Modular & replaceable without removing track frame.

Steering System: High tolerance to contamination, long life with brakes and clutches operating in oil, easy and quick to repair, low cost. Steering system performs well with winches and other attachments that require excellent turning ability under power. Power turns. Does not lose power in turns when pushing uphill.

Summary: The modular transmission, torque converter and steering system are well proven with years and hundred of thousands of fleet operating hours accumulated in a wide variety of applications. The machine is simple to operate and repairs can be completed by any trained mechanic. All those provide years of productive service and low rebuilding costs.