

M Extra/R Extra



Arctic

Coal

Construction

Forestry

Foundry

TD-25

CRAWLER DOZERS

Landfill

Mining & Aggregates

Road & Highway

Making light work of heavy duty tasks

You can rely on Dressta's TD-25 when your business needs equipment that is durable, productive and backed up by a global network. The TD-25 is a proven, productive and versatile dozer, engineered to deliver dependable results.

HEAVYWEIGHT PERFORMERS

Engineered for productivity, safe operation, reliability and long life, the Dressta TD-25 is the dozer of choice for industry professionals around the world.

TD-25 delivers total life time value:

1. The TD-25R Extra features a powerful 246 kW (330 net HP) Cummins QSX 15 engine (R Extra - US EPA Tier 4 Final/EU Stage IV compliant; M Extra - US EPA Tier 3/EU Stage III compliant) that delivers steady torque and power for efficient dozing and ripping.
2. Unique 2-speed steering drive for continuous transfer of 100% engine power to both tracks, resulting in better load retention through turns.
3. The rugged undercarriage design allows for maximum durability and smooth, stable operation.
4. High efficiency cooling system suitable for all climate conditions. The TD-25 can operate in ambient temperatures between -50°C and +50°C.
5. Lifetime lubricated rollers, heavy duty chains and idlers ensure extended track life for lower operating cost.
6. Reliable power shift transmission and steering drive clutches, with 6 forward / 6 reverse travel speeds and high drawbar pull.
7. Travel speed preselection and automatic down-shifting mode for greater operator efficiency.
8. Options for GPS fleet management systems.
9. Options for Trimble Ready & Trimble 3D grade control systems.
10. Ergonomically designed cab with deluxe seat, sound suppression and responsive controls, and the safety of a six-post design and external 2-post ROPS.
11. Exceptional all-round visibility, with clear line of sight to blade corners.
12. Conveniently placed steps, handholds and foot grips for easy and safe access.
13. Easily accessible diagnostic check ports, filters and sight gauges for quick and simple serviceability.
14. Class-leading blade capacities to get the job done faster. Available with Semi-U blade (Standard), Full-U blade, Coal blade and Angle blade.
15. Modular component layout to make servicing and maintenance quicker, easier and cheaper.

From its robust design, ready to tackle even the toughest construction or mining task, to its ease of operation and the unparalleled support of the global Dressta network, the TD-25 is in a class of its own.



ENGINE

246 kW

330 hp

BLADE CAPACITY

5.7-21 m³

7.4-27.5 yd³

OPERATING WEIGHT TD-25R EXTRA*

41250 kg

90,940 lb

OPERATING WEIGHT TD-25M EXTRA*

41500 kg

91,491 lb



*Weight will vary depending on selected machine specifications

Engineered for productivity & built to last

Productivity equals profitability.

The TD-25 balance-to-weight ratio provides unrivalled tractive effort to power through any task.

Powered by a turbocharged Cummins QSX15, 246 kW (330 net HP) in-line engine, the TD-25R Extra is compliant to US EPA Tier 4 Final and EU Stage IV emissions regulations, while the TD-25M Extra is US EPA Tier 3 Final and EU Stage IIIA compliant.

The combination of Cummins expertise with the latest heavy-duty diesel design delivers higher peak torque and exceptional fuel efficiency, so you can take on even the biggest jobs with confidence.



A dependable Cummins engine offers a high-pressure common-rail fuel system ensuring optimum, efficient performance while after-treatment technology including oxidation catalyst, diesel particulate filter, selective catalytic reducer, and AdBlue (DEF) injection and control system keeps the engine running clean.



DRAWBAR PULL

Best-in-class 800 kN drawbar pull means you can rip and move more material per hour.

COOLING SYSTEM

Modular design of the radiator, aftercooler, drive line and hydraulic oil coolers make the system easier to access and maintain, including regular cleanout, while the open fin design allows debris to pass through without clogging.

A hydraulic fan automatically reduces speed when demand is lower, resulting in improved fuel efficiency. An optional reversible fan provides maximum radiator cleaning performance while you work.

AUTO DOWNSHIFT FOR UNINTERRUPTED PRODUCTIVITY

Auto downshift allows smooth operation and improved cycle times. The controller automatically downshifts when peak load is achieved, optimizing gear speed and providing maximum tractive effort with improved fuel efficiency.



PRESET TRAVEL SPEED SELECTION

Preset modes make it easy to work by improving cycle times by eliminating manual gear changes whilst reducing operator fatigue.

The operator can select from two preset modes:

- Forward direction first gear and reverse in second gear, ideal for fast cycle times in rough dozing; and
- Forward direction in second gear and reverse in second gear, for lighter operating.

2-SPEED STEERING SYSTEM

The exclusive 2-speed steering drive allows full power to be delivered to both tracks at all times. This ensures vastly improved traction to push full loads effortlessly through turns, quickly and smoothly.

TRAVEL SPEEDS

Highest speed for the appropriate application, 6-forward / 6-reverse speeds mean easy, precise control for faster travel and higher work productivity. The operator can easily select the highest travel speed for the job or adjust for particular applications or conditions.

TORQUE CONVERTER

The reliable and proven Dressta Torque Converter makes the operator's job easier by automatically adjusting the speed of the dozer to load variations that fluctuate during the work cycle.

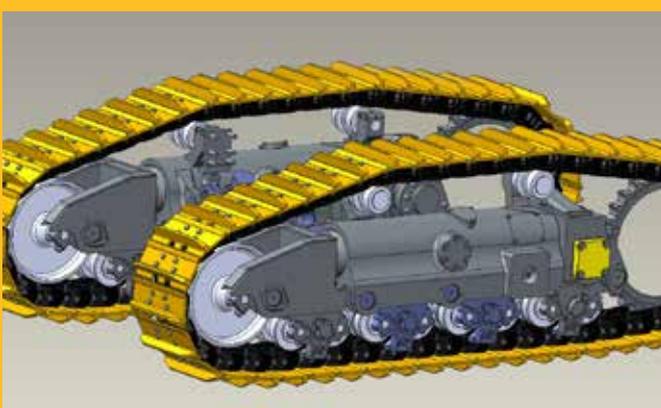
All round heavy duty design

Dressta's heavy duty undercarriage is engineered for durability and performance in tough applications from rocky terrain to stock piles, slopes and land clearing.

The TD-25 mainframe utilizes high grade box section construction, robust steel castings and is engineered to absorb heavy peak loads and twisting forces. Two independent pivot shafts are bolted to the main frame casting for ease of maintenance and are mounted in front of the sprocket to protect the final drive assemblies from blade induced shock loads.



A massive one-piece frame, high strength pivot shaft and exclusive undercarriage design provide maximum durability and suspension while giving the operator a smooth, stable ride.



UNDERCARRIAGE

The TD-25 has a low drive undercarriage which lowers the centre of gravity for exceptional stability and safe operation even on high sided slopes. Oscillating track frames reduce shock loads, enhance durability and smooth travel while improving grade ability.

Dressta's Lubricated Track System (LTS) is engineered to:

- Reduce sprocket and external bushing wear.
- Eliminate track link counter bore wear and reduce chain warp or twisting.
- Increase track roller and idler life.
- Quieter track chain operation.

TRACK SHOES

A range of track shoe widths helps perfectly match the TD-25 to all types of ground conditions. 560 mm (22 in.) single grouser track shoes are standard. Options include 610 mm (24 in.), 660 mm (26 in.) clipped corner and 711 mm (28 in.).

UNDERCARRIAGE MOUNTING SYSTEM

The undercarriage mounting system keeps track frames in alignment allowing them to oscillate vertically while preventing toe in and toe out. The flexible equalizer bar is pinned at the center, while the ends of the bar rest on pads located at the top center of each track frame.

Such design allows the track frames to oscillate in a true, vertical manner; moreover it eliminates the need of lubricating the equalizer bar end pins.

SUSPENSION UNDERCARRIAGE (OPTIONAL)

In lieu of the standard ridged undercarriage the TD25 can be configured with a bogie suspension undercarriage. The TD-25R Extra offers as an optional a bogie undercarriage design, which delivers a unique comfort for operator, especially in rocky applications, coupled with best in class drawbar pull and productivity. Additional roller on the Elongated Track Frames (+ 300 mm) allows our TD-25dozer to be equipped with 8 rollers installed on 4 bogie carriers, providing excellent and smooth ride whilst during tough dozing & ripping applications.

Full contact of bogie rollers and track chains with the ground ensures perfect traction and consequently, in connection with unique Dressta two-Speed Steering Drive features provides best in class force of pushing and ripping.

Safety and comfort really matters

Operator safety and comfort are essential elements of worksite productivity. A comfortable operator is less easily fatigued, more efficient and more productive.

The cab has a functional design to keep the operator engaged on the job. Operators will enjoy exceptional in-cab comfort – from the performance of the air conditioning system to the location of the controls for optimal operator comfort.

The FOPS and external 2-post ROPS certified cab provides more space and improved visibility. The sound-suppressed cab is equipped with:

- Large tinted side and rear sliding windows for cross ventilation and an enhanced view of both the blade and ripper equipment.
- Air recirculation system.
- Air conditioner / heater / pressurizer.
- Noise reduction trim.
- Deluxe air suspension seat including 6-way adjustment and arm rests.
- Ergonomically designed joystick controls for direction, blade and ripper operation.
- High resolution 7" LCD display screen provides real-time system values for temperatures, pressures and forward/reverse direction shift and ground-speed ranges.
 - Multiple language options.
 - Large anti-glare full color monitor.
 - 1 GB memory for display of service and maintenance data.
 - Dual (metric/imperial) units.

INTEGRATED FOPS AND ROPS (OPTIONAL)

The TD-25R Extra also features a new cab design with integrated Falling Object Protection Structure (FOPS) and Roll-Over Protection Structure (ROPS) for outstanding safety and visibility levels.

New cab strikes with its top modern appearance and offers unbeatable operator comfort with a fully adjustable suspension seat, joysticks and multi-lingual LCD large size monitor.

New Cab also brings for operator easy access to the maintenance points, new lighting system including special "ripper point light", heavy duty AC System and cooled lunch box.



High resolution 7 inch

LCD

display screen



RESPONSIVE AND PREDICTABLE STEERING AND WORKING CONTROLS

The left-hand side joy stick controls speed ranges, machine direction changes and steering modes. Buttons on the joy stick control the transmission gear selection, while rocker switches select high and low steering ranges.

Ergonomically designed right-hand joy stick enables superb blade control. Double tilt and pitch control buttons are used for precise and easy changes of the blade position.

A separate lever controls the rising and lowering of the ripper as well as pitching the ripper shank.

NOISE AND VIBRATION MANAGEMENT

Isolated cab mounts reduce vibration for enhanced comfort and noise reduction, while the low drive undercarriage system ensures minimal vibration and noise from the final drives and track system.

AIR CONDITIONING

The heater and the A/C unit and fan are now mounted under the operator's seat for consistent cab temperature throughout the day. The fresh air filters are mounted below the cab rear windows, and the condenser unit is mounted at the rear of the cab.

CAB DESIGN AND LAYOUT

The comfortable seat is adjustable to operator's weight and sitting position and is equipped with full arm rests and seat belt. It swivels to the right for better ripper viewing and reduces operator fatigue in long ripping runs.

All instruments and electrical function switches are conveniently located and feature non-reflective indirect lighting for good visibility and minimal glare from cab windows.

Attachments for productivity & utilization

A great dozer can only deliver great results with the right attachments. Dressta's robust blades and rippers are designed to power through even the toughest of materials and are suited to a wide range of applications.





BLADES

For blades, size equals productivity. The Dressta standard Semi-U blade with 9.6m³ (12.5 yd³) capacity is one of the largest in its class. Dressta blades have an 8% advantage over their nearest rival, while its high capacity blades are designed to power through even larger jobs.

Dressta blades are designed to provide a balance between fine-light dozing and aggressive heavy material movement. This enables the TD-25 to perform better over a broader variety of applications.

Blades are designed for increased capacity and incorporate full-width cutting edges for prolonged durability. Blades can be equipped with a hydraulic tilt or tilt/pitch option and a manual blade pitch adjustment which makes the dozer even more versatile.

Double tilt and pitch control buttons are used for precise and easy change of the blade position.

The Dressta standard Semi-U Blade design combines the penetration ability of a straight blade with increased capacity. It is ideal for heavy duty applications like mining and road construction.

The 11.5m³ (15.0 yd³) Full-U Blade provides high volume movement of light non-cohesive materials.

The Angle Blade is designed for all dozing applications, including side casting.

The 21m³ (27.5 yd³) Coal Handling Blade ensures increased productivity with length, height, and wing angles developed specifically for high production coal dozing and bulky low density materials. Extended end plates help contain loads and eliminate side spillage.



RIPPER

An adjustable parallelogram multi-shank ripper offers excellent 760 mm (29.9 in.) penetration.

The single shank ripper option offers a standard shank with 1250 mm (49.2 in.) penetration and a deep shank option with an exceptional 1700 mm (66.9 in.) penetration, allowing the full use of the 800 kN (177,150 lb) drawbar pull force to be transferred to the ripper.

As an option, for ease of operation, a hydraulically controlled ripper shank pin puller can adjust ripper penetration depth.

Both the single and multi-shank rippers are equipped with four large cylinders (177.8 mm / 7 in. diameter), two for pitching and two for rising and lowering. The angle of the attack of the ripper shank, can be changed with ease to match the ripping conditions.



Servicing made easy

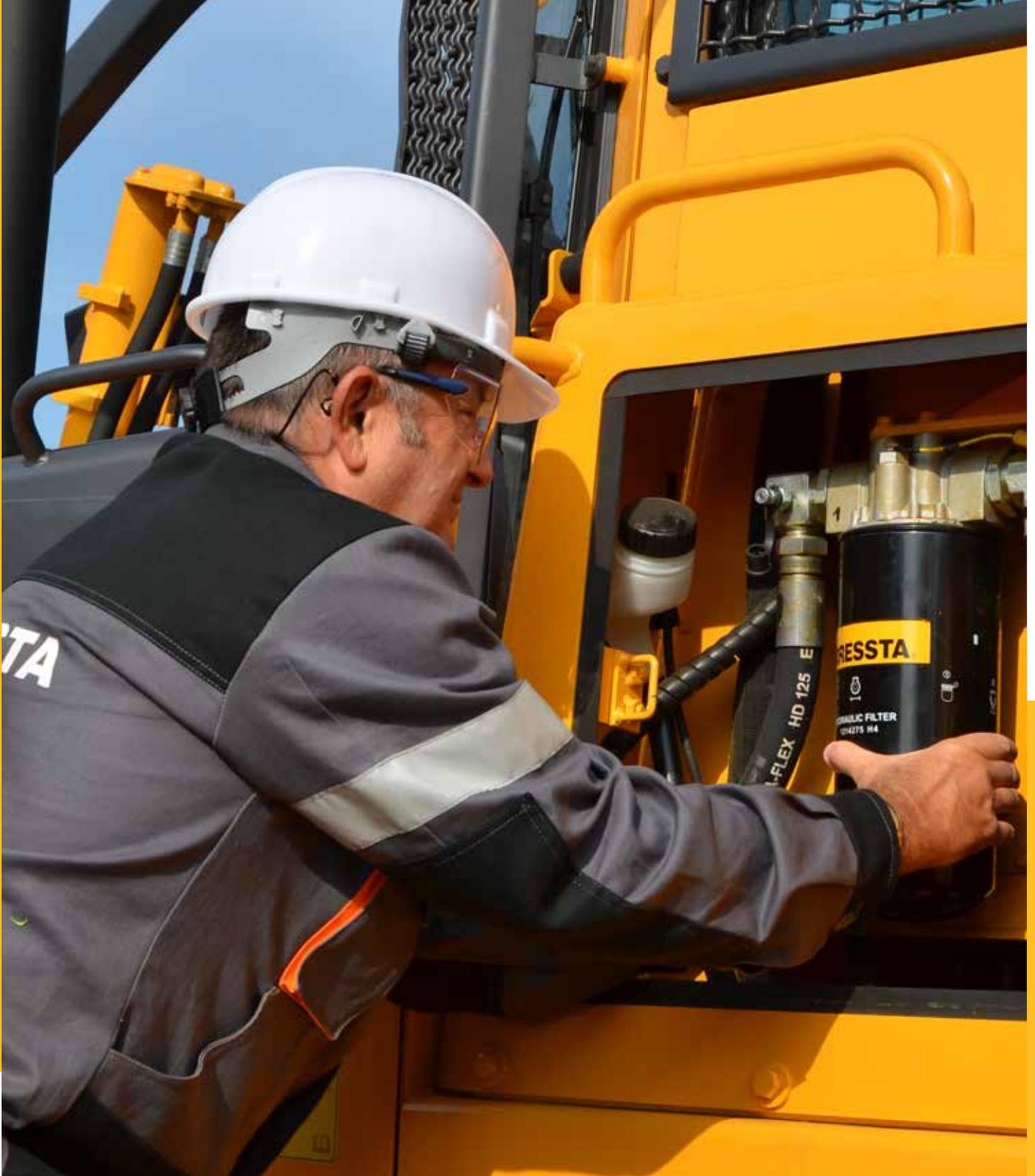
The TD-25 offers many features that keep downtime and operational costs to a minimum while maximising productivity.

Dressta's TD-25 has been designed for easy access and reliability to reduce downtime, maximize uptime and make servicing as simple and cost effective as possible.

- Easy to access service points allow for easy maintenance.
- Vertical 'no spill' easy-to-change engine hydraulic oil filters.
- On-board alerts to inform the operator of upcoming scheduled services.
- Visual and audible alarms warn the operator of non-standard machine system status.
- Conveniently located fluid sample and diagnostic ports.



All service and maintenance points are clearly marked and easily accessible.



MODULAR CONSTRUCTION

The modular design arranges components in a way that makes removal and replacement during servicing quick and easy, ensuring machine uptime and profitability.

The modular power train layout means every major component can be serviced or replaced in the field in just a few hours.

All service and maintenance points are clearly marked and easily accessible, with diagnostic points conveniently grouped together. The on-board system provides the operator with a range of status data including the incoming daily services.

Work your way to achieve your goal

Different jobs have different requirements, but Dressta makes it easy for you to get the best result in any operation by designing versatile equipment, and working directly with customers to meet their special requirements.



Talk to Dressta about TD-25 Special Feature Requests. If different applications require unique attachments, components or design specifications, Dressta will work with you to maximise the operational efficiency of your machines.

THE TD-25 IS IDEALLY SUITED TO A RANGE OF APPLICATIONS INCLUDING:

ARCTIC

Dressta dozers have been refined for supreme performance in arctic conditions. Machines are equipped to perform in extreme temperatures as low as -50°C for extended periods of time.

CONSTRUCTION / ROAD & HIGHWAY

Powerful TD-25 dozers have the muscle to take on any construction challenge, from ground breaking through to final grade.

COAL HANDLING

Dressta's large dozers are routinely chosen for use in challenging coal handling applications that run 24/7, such as power generation and steel production.

FORESTRY

Dressta's dozers are available in a range of configurations with features to excel in challenging forestry environments. Talk to Dressta about performance specifications for a range of Special Feature Requests including winches, cab protection, track options, fire suppression, auxiliary hydraulics and more.

FOUNDRY

Dressta's large dozers are built to survive and thrive in a range of industrial applications. One of the most testing scenarios is the handling of hot materials such as iron slag. The Dressta application pack includes reinforced blades, rippers and/or ground engaging rippers.

LANDFILL

The TD-25 is built to excel in landfills, where it can deliver excellent waste compaction and be fitted with large blades with trash racks and self-cleaning tracks shoes. The Landfill Special Features Request (SFR) application pack offers extensive protection throughout the dozer to reduce impact from airborne and ground level debris, as well as providing consistently clean air to the cab, cooling and induction systems.

MINING & AGGREGATES

Dressta mining dozers are engineered to perform in a wide range of tasks, including stockpile management, ripping materials, removing overburden and building and maintaining haul roads.



GPS FLEET MANAGEMENT

All of Dressta's models can be fitted with a GPS system so you can easily see where your equipment is, what it is doing and how productive it is, utilising user-friendly management tools combined with GPS-based positioning.

GRADE CONTROL SYSTEM

Trimble systems are available to improve productivity during levelling operations. Grade control systems can help you finish jobs with less rework, less staking, less checking, lower costs and improved site accuracy.

Keeping you on the job 24/7

Dressta knows that its equipment is put to the test each and every day, and its machines are engineered to stand up to the challenges and demands of the toughest jobs.

WARRANTY

When you purchase a Dressta dozer, your investment is backed by one of the most comprehensive warranties in the industry. In addition to the standard 12 month warranty, Dressta offers extended warranty protection programs for additional peace of mind.

EASY PARTS SUPPLY

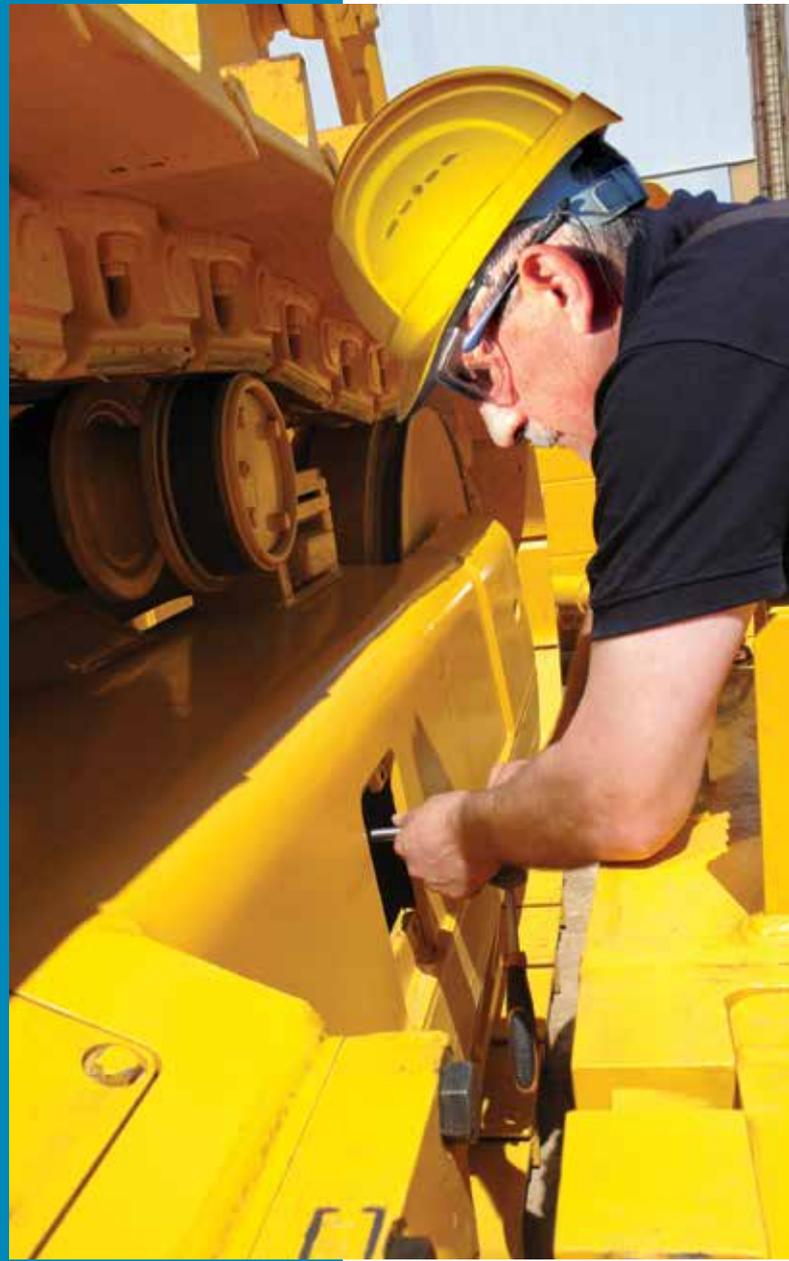
Genuine Dressta parts are engineered to fit right the first time and to provide the highest levels of performance and reliability while meeting strict quality controls. The global parts network, with seven regional distribution centers and advanced logistics systems, means you can be assured of rapid parts supply of whatever you need, wherever you are.

GET THE MOST OUT OF YOUR EQUIPMENT

Dressta's stringent quality assurance ensures all products meet the exact needs of customers. Technical support teams offer fast access to factory expertise and information systems while ongoing aftersales support is available via dealerships with factory trained engineers who are available as and when you require.



Our products are supplied worldwide through a well-established network of independent distributors who are as passionate about the industry as you are.



ENGINE

	TD-25M Extra	TD-25R Extra
Make and model	Cummins QSX15	Cummins QSX15
Emissions standard	EPA Tier 3/EU Stage IIIA	EPA Tier 4f/EU Stage IV
Displacement	15 l (912 in ³)	15 l (912 in ³)
Bore and stroke	137 x 169 mm (5.39 x 6.65 in)	137 x 169 mm (5.39 x 6.65 in)
Gross horsepower, SAE J1995	280 kW (375 Hp)	280 kW (375 Hp)
Net horsepower, SAE J1349/ ISO 9249	246 kW (330 Hp)	246 kW (330 Hp)
Rated rpm	1800	2000
Max. torque	1825 Nm (1,346 lb-ft)	1993 Nm (1470 lb-ft) @ 1200 rpm
Air cleaner	2-stage, dry type, with dash mounted electronic service indicator	Cummins Filtration Direct Flow™, dry type, with dash-mounted electronic service indicator
Cold-starting aid	Intake-mounted air-inlet grid heater	Ether start
Slope operation, max. angle	45°	45°

COOLING

	TD-25M Extra	TD-25R Extra
Type	Suction-type variable-speed fan, hydraulically driven with perforated engine side sheets and heavy duty louvered front grill.	Suction-type variable-speed fan, hydraulically driven with perforated engine side sheets and heavy duty louvered front grill.
Engine coolant rating	-37°C (-34°F)	-37°C (-34°F)

OPERATOR STATION

	TD-25M Extra	TD-25R Extra
ROPS	ROPS (ISO 3471 - 2008)	ROPS (ISO 3471 - 2008)
FOPS	FOPS (ISO 3449 - 2005)	FOPS (ISO 3449 - 2005)

UNDERCARRIAGE

	TD-25M Extra	TD-25R Extra	TD-25M/R Extra (BOGIE)
Suspension	Oscillation-type with equalizer bar and forward mounted pivot shafts.		
Tracks	Large deep-heat-treated, sealed, and lubricated track links and through-hardened, sealed, and lubricated rollers for maximum wear resistance.		
Track gauge	2140 mm (7 ft)		
Track shoe width	560 mm (22 in.)	560 mm (22 in.)	610 mm (24 in.)
Chain	Sealed and lubricated		
Shoes, each side	38	39	46
Track rollers, each side	7	7	8
Track length on ground	3150 mm (10 ft 4 in.)	3270 mm (10 ft 9 in.)	3451 mm (11 ft 3.9 in.)
Ground contact area	35000 cm ² (5,456 sq. in.)	36600 cm ² (5,673 sq. in.)	42100 cm ² (6,526 sq. in.)
Ground pressure	102 kPa (14.8 psi)	101 kPa (14.6 psi)	100 kPa (14.5 psi)
Track pitch	250 mm (9.86 in.)	250 mm (9.86 in.)	215.9 mm (8.5 in)
Sprocket segments, each side	8	8	8

POWERTRAIN

	TD-25M Extra		TD-25R Extra		
Transmission	Single stage 415 mm (16 in.) torque converter with a 2.45:1 stall ratio drives to transmission through a triple universal joint. Modular, countershaft type power shift transmission, electro-hydraulic control. Preset travel speed selection and auto-downshift.		Single stage 415 mm (16 in.) torque converter with a 2.45:1 stall ratio drives to transmission through a double universal joint. Modular, countershaft type power shift transmission, electro-hydraulic control. Preset travel speed and auto-downshift.		
Steering	Exclusive 2-speed geared steering module provides gradual turns while maintaining full power to both tracks plus conventional clutch-brake performance for tight or pivot turns. Coupled to 3-speed transmission, the 2-speed steering provides 6 speeds forward and 6 reverse. The left hand joystick controls transmission and steering drive for up and down shifting, steering, Hi/Lo selection and LH/RH gradual turn.		Exclusive 2-speed geared steering module provides gradual turns while maintaining full power to both tracks plus conventional clutch-brake performance for tight or pivot turns. Coupled to 3-speed transmission, the 2-speed steering provides 6 speeds forward and 6 reverse. The left hand joystick controls transmission and steering drive for up and down shifting, steering, Hi/Lo selection and LH/RH gradual turn.		
Final drives	Double-reduction planetary type final drives mounted independently of track frames and dozer push frames for isolation from shock loads.		Double-reduction planetary type final drives mounted independently of track frames and dozer push arms for isolation from shock loads.		
Total ratio	25.5 to 1		25.5 to 1		
Maximum drawbar pull	791 kN (177,150 lb)		794 kN (178,498 lb)		
Travel speeds	Forward	Reverse	Forward	Reverse	
1st	Low	3.0 km/h (1.9 mph)	3.7 km/h (2.3 mph)	3.0 km/h (1.9 mph)	3.7 km/h (2.3 mph)
	High	3.9 km/h (2.4 mph)	4.7 km/h (2.9 mph)	4.0 km/h (2.5 mph)	4.8 km/h (3.0 mph)
2nd	Low	5.1 km/h (3.2 mph)	6.1 km/h (3.8 mph)	5.1 km/h (3.2 mph)	6.1 km/h (3.8 mph)
	High	6.6 km/h (4.1 mph)	7.9 km/h (4.9 mph)	6.6 km/h (4.1 mph)	7.9 km/h (4.9 mph)
3rd	Low	8.0 km/h (5.0 mph)	9.6 km/h (6.0 mph)	8.0 km/h (5.0 mph)	9.6 km/h (6.0 mph)
	High	10.3 km/h (6.4 mph)	12.3 km/h (7.6 mph)	10.3 km/h (6.4 mph)	12.3 km/h (7.6 mph)
Brakes					
Service	Spring applied hydraulically released multi-disc wet brakes. Foot pedal piloted control.		Spring applied hydraulically released multi-disc wet brakes. Foot pedal piloted control.		
Parking	The steering brakes also act as service and parking brakes. Service brakes are locked automatically when the transmission safety lever is actuated or when the engine is cut off.		The steering brakes also act as service and parking brakes. Service brakes are locked automatically when the transmission safety lever is actuated or when the engine is cut off.		

HYDRAULICS

	TD-25M Extra	TD-25R Extra
Type	Open-center hydraulic system with fixed-displacement multiple-pump vane type	Open-center hydraulic system with fixed-displacement multiple-pump vane type
Pump displacement	313.5 l/min (82.8 gpm)	313.5 l/min (82.8 gpm)
System relief pressure	Blade lift & ripper 17.2 MPa (2,500 psi); blade tilt 18.4 MPa (2,670 psi)	Blade lift & ripper 17.2 MPa (2,500 psi); blade tilt 18.4 MPa (2,670 psi)
Control	Single joystick lever	Single joystick lever

ELECTRICAL

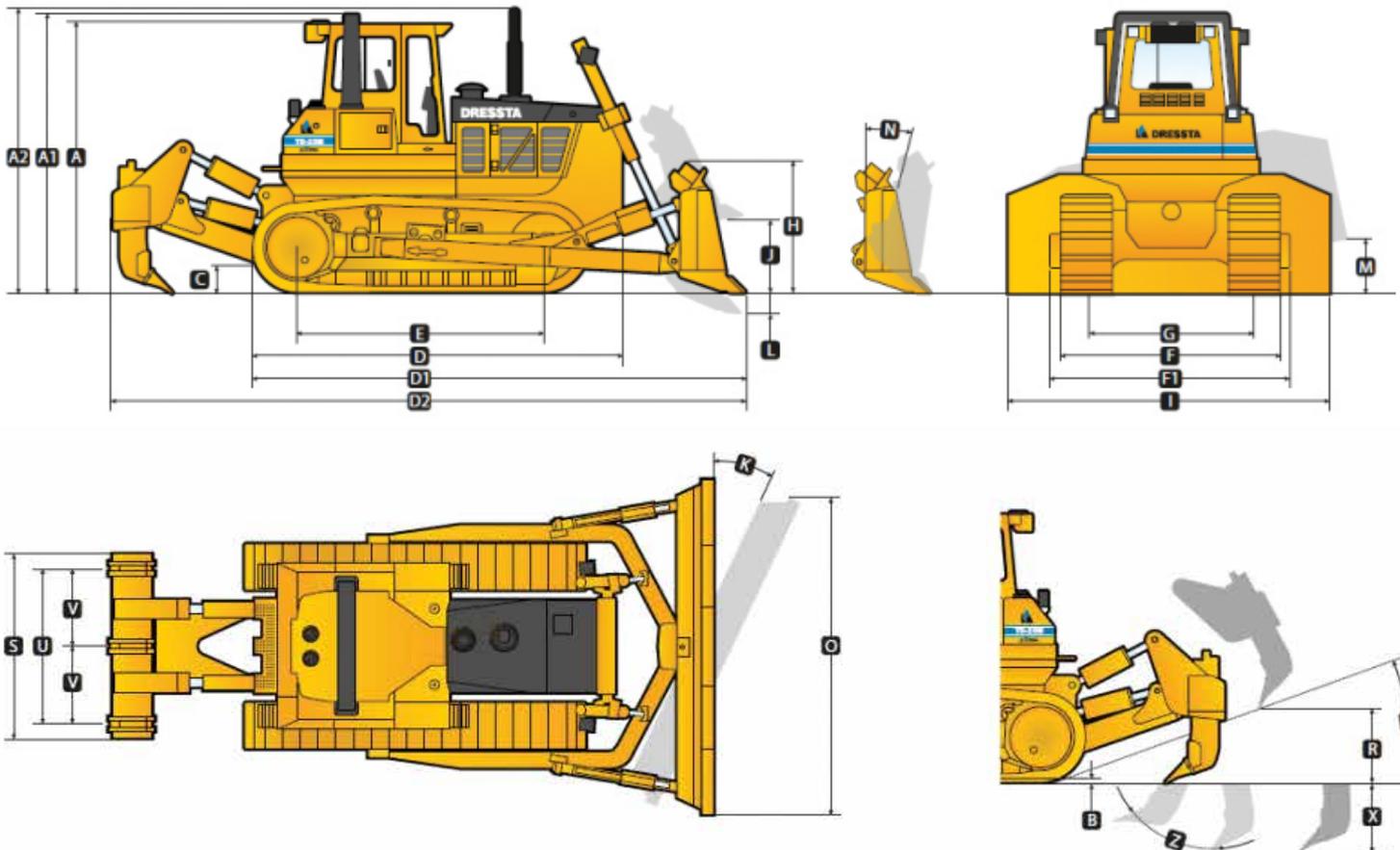
	TD-25M Extra	TD-25R Extra
Voltage	24 V	24 V
Number of batteries	4	4
Battery capacity	960 CCA	960 CCA
Alternator rating	100 A	100 A
Lights	8 total; cab mounted (2F & 2R), 2F lift cylinders and 2R fuel tank mounted	8 total; cab mounted (2F & 2R), 2F lift cylinders and 2R fuel tank mounted

SERVICEABILITY

	TD-25M Extra	TD-25R Extra
Refill capacities		
Fuel tank	825 l (218 US gal.)	770 l (203 US gal.)
Cooling system	56 l (15 US gal.)	67.5 l (18 US gal.)
Engine oil	49 l (13 US gal.)	49 l (13 US gal.)
Transmission system	240 l (63 US gal.)	240 l (63 US gal.)
Final drive, each side	64 l (16.9 US gal.)	64 l (16.9 US gal.)
Hydraulic reservoir	130 l (34 US gal.)	130 l (34 US gal.)
Adblue	NA	38 l (10 US gal.)

OPERATING WEIGHTS

	TD-25M Extra	TD-25R Extra
Base weight with Semi-U blade w/tilt, single-shank ripper, standard equipment, cab ROPS/FOPS, full fuel tank, and 79 kg [175 lb.] operator	RIGID: 41500 kg (91,491 lb.) BOGIE: 42 240 kg (93,123 lb.)	RIGID: 41250 kg (90,940 lb.) BOGIE: 41 990 kg (92,571 lb.)
Optional components		
Ripper w/3 shanks	456 kg (1,874 lb.)	456 kg (1,874 lb.)
Track shoes		
610 mm (24 in.)	225 kg (495 lb.)	231 kg (509 lb.)
660 mm (26 in.)	474 kg (1,045 lb.)	487 kg (1,074 lb.)
711 mm (28 in.)	655 kg (1,445 lb.)	667 kg (1,470 lb.)



MACHINE DIMENSIONS

Type	TD-25M Extra & TD-25R Extra			
	Semi-U	Full-U	Angle	Coal
A Overall height - FOPS cab	3670 mm (12 ft)	3670 mm (12 ft)	3670 mm (12 ft)	3670 mm (12 ft)
A1 Overall height - ROPS	3800 mm (12 ft. 6 in.)	3800 mm (12 ft. 6 in.)	3800 mm (12 ft. 6 in.)	3800 mm (12 ft. 6 in.)
A2 Overall height - end of exhaust pipe	3930 mm (12 ft. 11 in.)	3930 mm (12 ft. 11 in.)	3930 mm (12 ft. 11 in.)	3930 mm (12 ft. 11 in.)
B Grouser height	76 mm (3 in.)	76 mm (3 in.)	76 mm (3 in.)	76 mm (3 in.)
C Ground clearance	575 mm (22.6 in.)	575 mm (22.6 in.)	575 mm (22.6 in.)	575 mm (22.6 in.)
C Ground clearance (BOGIE)	580 mm (22.8 in.)	580 mm (22.8 in.)	580 mm (22.8 in.)	580 mm (22.8 in.)
D Overall length, base machine	5070 mm (16 ft. 7 in.)	5070 mm (16 ft. 7 in.)	5070 mm (16 ft. 7 in.)	5070 mm (16 ft. 7 in.)
D1 Length with blade and drawbar	6880 mm (22 ft. 7 in.)	7150 mm (23 ft. 5 in.)	6890 mm (22 ft. 7 in.)	7530 mm (24 ft. 8 in.)
D2 Length with blade and 1-shank / 3-shank ripper	8940 mm/8380 mm (29 ft. 4 in./27 ft 6 in.)	9210 mm/8650 mm (29 ft. 4 in./27 ft 6 in.)	8950 mm/8390 mm (29 ft. 4 in./27 ft 6 in.)	9030 mm (29 ft. 8 in.)
E Track length on ground M Extra	3150 mm (10 ft. 4 in)	3150 mm (10 ft. 4 in)	3150 mm (10 ft. 4 in)	3150 mm (10 ft. 4 in)
Track length on ground R Extra	3270 mm (10 ft. 4 in)	3270 mm (10 ft. 4 in)	3270 mm (10 ft. 4 in)	3270 mm (10 ft. 4 in)
F Width over track	2700 mm (8 ft. 10 in.)	2700 mm (8 ft. 10 in.)	2700 mm (8 ft. 10 in.)	2700 mm (8 ft. 10 in.)
F1 Width over trunnions	3210 mm (10 ft. 6 in.)	3210 mm (10 ft. 6 in.)	3210 mm (10 ft. 6 in.)	3210 mm (10 ft. 6 in.)
G Track gauge	2140 mm (7 ft.)	2140 mm (7 ft.)	2140 mm (7 ft.)	2140 mm (7 ft.)

BLADE SPECS

Type	TD-25M Extra & TD-25R Extra			
	Semi-U	Full-U	Angle	Coal
SAE capacity	9.6 m ³ (12.5 cu. yd.)	11.5 m ³ (15.0 cu. yd.)	5.7 m ³ (7.4 cu. yd.)	21.0 m ³ (27.5 cu. yd.)
H Blade height	1760 mm (5 ft. 9 in.)	1760 mm (5 ft. 9 in.)	1260 mm (4 ft. 1 in.)	2100 mm (6 ft. 11 in.)
I Blade width	4050 mm (13 ft. 3 in.)	4350 mm (14 ft. 3 in.)	4950 mm (16 ft. 3 in.)	5610 mm (18 ft. 5 in.)
J Blade lift height	1270 mm (4 ft. 2 in.)	1270 mm (4 ft. 2 in.)	1370 mm (4 ft. 6 in.)	1270 mm (4 ft. 2 in.)
K Blade angle	-	-	25°	-
L Blade digging depth	600 mm (23.6 in.)	600 mm (23.6 in.)	660 mm (26 in.)	600 mm (23.6 in.)
M Maximum tilt	880 mm (34.6 in.)	945 mm (37.2 in.)	435 mm (17.1 in.)	1220 mm (48 in.)
N Maximum blade pitch adjustment	10°	10°	-	10°
O Overall width with blade angled	-	-	4590 mm (15 ft. 1 in.)	-

RIPPER

Parallelogram ripper with hydraulic pitch adjustment

	TD-25M Extra & TD-25R Extra		
	Standard	Deep	Multi-shank (3-shank)
R Maximum clearance under tip (raised)	770 mm (30.3 in.)	760 mm (29.9 in.)	868 mm (34.2 in.)
S Overall beam width	1450 mm (57 in.)	1450 mm (57 in.)	2485 mm (98 in.)
T Slope angle (fully raised)	30.8°	30.8°	30.8°
U Ripping width	-	-	2134 mm (84 in.)
V Spacing center to center	-	-	1067 mm (42 in.)
X Maximum penetration	1250 mm (49.2 in.)	1,700 mm (66.9 in.)	760 mm (29.9 in.)
Z Maximum pitch adjustment	25.1°	25.1°	25.1°
Penetration force	132.5 kN (29,768 lb.)	132.5 kN (29,768 lb.)	131.2 kN (29,494 lb.)
Pryout force	377.7 kN (84,907 lb.)	377.7 kN (84,907 lb.)	353.5 kN (79,467 lb.)
Shank positions (vertical)	4	6	2
Weight of ripper w/ 1 shank	5280 kg (11,630 lb.)	5370 kg (11,840 lb.)	5100 kg (11,630 lb.)
Weight of shank	-	-	318 kg (700 lb.)

STANDARD EQUIPMENT

ENGINE

TD-25M Extra

Engine, Cummins QSX15, Tier 3, emission certified, turbocharged, direct start, direct injection, 246 kW (330 fwhp)

Air cleaner, dry type with exhaust aspirated primary, safety elements and service indicator

Antifreeze, -34°F (-37°C)

Brakes, foot, spring applied, hydraulically released

Cooling module; includes radiator, transmission oil cooler, hydraulic oil/fan drive oil cooler, fuel cooler, charge air cooler (CAC); isolation mounted

Coolant filter conditioner

Decelerator - right foot pedal, and brake - center foot pedal

Exhaust resonator with elbow

Fan, hydraulically driven, suction type, variable speed

Filters, engine oil, full flow and by-pass with replaceable "spin-on" elements

Fuel strainer

Water separator, fuel system

TD-25R Extra

Engine, Cummins QSX15, Tier 4 Final, emission certified, turbocharged, with High Pressure Injection (HPI), Selective Catalytic Reduction (SCR), Electronic Controls (ECM) 246 kW (330 fwhp)

Air cleaner, Cummins Filtration Direct Flow™, dry type with precleaner, exhaust aspiration and electronic service indicator

Antifreeze, -34°F (-37°C)

Brakes, foot, spring applied, hydraulically released

Cooling module; includes radiator, transmission oil cooler, hydraulic oil/fan drive oil cooler, fuel cooler, charge air cooler (CAC); isolation mounted

Coolant filter conditioner

Decelerator - right foot pedal, and brake - center foot pedal

Diesel Particulate Filter with catalyst (DPF)

Exhaust resonator with elbow

Fan, hydraulically driven, suction type, variable speed

Filters, engine oil, full flow and by-pass with replaceable "spin-on" elements

Fuel strainer

Water separator, fuel system

DRIVETRAIN

Torque converter, single stage

Transmission, power shift, 3 speeds forward, 3 reverse, combined with 2 speed steering provides 6 speeds forward, 6 reverse, preset travel speed selection and auto-downshift

Steering, planetary type, 2 speed, left hand single lever control (joystick)

Filters, power train, equipment hydraulics, "spin-on" micro glass type

OPERATOR'S ENVIRONMENT

Air conditioner/heater/pressurizer/defroster, underseat mounted; behind roof mounted A/C condenser

AM/FM radio ready

Cab with 2 post ROPS, with sound suppression, 4 wipers w/washers, inside mirror, dome light, tinted safety glass and air recirculation system (approved according to ROPS - SAE J1040 and FOPS - SAE J231)

Seat, air suspension type, fabric cover, adjustable with arm rests, swivel 14° to right

Seat belt (SAE J386) - 3" wide, retractable

Sun visor for front cab window

Tools compartment

INSTRUMENTATION

TD-25M Extra

Engine ECM failure warning lights and switches

Gear, range, drive train and engine diagnostic display

Gauges: fuel level, engine coolant temperature, engine oil pressure, torque converter oil temperature, voltmeter, hourmeter, tachometer

Warning lights: air cleaner filter, transmission oil filters, hydraulic oil filters, transmission/clutch oil low pressure, coolant high temperature, drive train oil high temperature, fan drive oil filter

Audible and visual warning system: low engine coolant level, low engine oil pressure

TD-25R Extra

Electronic Monitoring System, LCD display:

Normal and diagnostic operating modes for engine and drive train, hourmeter, gear, range

Gauges: voltmeter (battery charge), drive train oil temperature, fuel level, coolant temperature, tachometer (engine rpm), AdBlue® tank level

Engine and drive train diagnostics program indicator lights

Warning lights: engine ECM status, high drive train oil temperature, low coolant level, low engine oil pressure, high coolant temperature, low fuel level, high exhaust system temperature, AdBlue® tank low level, battery charge level, low transmission/clutch oil pressure

Warning lights - filters: air cleaner filter, exhaust system (SCR) filter, fan drive system filter, hydraulic oil filters, drive train pressure filter

Audible alarm for low coolant level, low engine oil pressure, high coolant temperature

ELECTRICAL

TD-25M Extra

Alarm, back-up

Alternator 110 A

Batteries (4) 12 V, 1920 CCA, cold start, maintenance free

Horn, electric

Lights for cab, 2 front, 2 rear

Lights with guards, 2 front - lift cylinders mounted, 2 rear - fuel tank mounted

Portable lamp receptacle, 12 V

Receptacle, starting/charging plug

Starting, 24 V

Starting aid - air grid heater

TD-25R Extra

Alarm, back-up

Alternator 110 A

Batteries (4) 12 V, 1920 CCA, cold start, maintenance free

Horn, electric

Lights for cab, 2 front, 2 rear

Lights with guards, 2 front - lift cylinders mounted, 2 rear - fuel tank mounted

Portable lamp receptacle, 12 V

Receptacle, starting/charging plug

Starting, 24 V

UNDERCARRIAGE - RIGID SUSPENSION

Track adjusters, hydraulic

Track chain, sealed and lubricated (LTS) with split master link, 38 links (M Extra), 39 links (R Extra)

Track chain guides, integral

Track frame, 7 roller, 2140 mm (84") gauge, oscillating type, lifespan lubricated rollers and idlers

Track shoes, 560 mm (22"), grouser type

GUARDS

Crankcase, hinged, with front pull hook, transmission, fan, radiator, sprocket rock and dirt deflector

Engine hood, solid, sloped

Engine side doors, hinged, perforated type

Final drive seal guard

Radiator guard doors, louvered, two-piece, hinged

HYDRAULIC CONTROLS

3-spool valve, 1 lever with pilot operated blade control (lift/tilt), ready for ripper

OTHER STANDARD EQUIPMENT

Cylinders, lift, with quick drop valve

Diagnostic centers for power train and equipment hydraulic pressures

Drawbar, fixed

Ecological drains for engine oil, radiator coolant and hydraulic oil

Manuals: parts and operator's

Rear access platform

OPTIONAL EQUIPMENT

BLADE EQUIPMENT

D-2 Semi-U Dozer, 9.6 m³ (12.5 yd³), complete with all blade components, blade includes reinforced center push plate, with hydraulic tilt and manual pitch or hydraulic tilt/pitch

U-2 Full-U Dozer, 11.5 m³ (15 yd³), complete with all blade components, blade includes reinforced center push plate, with hydraulic tilt and manual pitch or hydraulic tilt/pitch

Coal Dozer, 21.0 m³ (27.5 yd³), complete with all blade components, blade includes reinforced center push plate, with hydraulic tilt and manual pitch or hydraulic tilt/pitch

G-2 Angle Dozer (manual angle), 5.7 m³ (7.4 yd³), complete with all blade components, with or without hydraulic tilt

REAR MOUNTED EQUIPMENT

Drawbar, counterweight, 1860 kg (4,100 lbs)

Additional counterweight (cast), 2004 kg (4,410 lbs); recommended for use with large coal or landfill blades

Ripper, multi-shank with three shanks, partially mounted, with hydraulic pitch, includes deduct for drawbar

Ripper single-shank beam, with hydraulic pitch, standard or deep dig, with hydraulic pin puller and shank, partially mounted, includes deduct for drawbar

TRACK SHOES

610 mm (24") shoes

660 mm (26") shoes, clipped corner

711 mm (28") shoes, clipped corner, (not recommended for use with ripper)

UNDERCARRIAGE – BOGIE SUSPENSION

Track adjusters, hydraulic

Track chain, sealed and lubricated (LTS) with split master link, 46 links

Track chain guides, integral

Track frame, 8 roller, 2140 mm (84") gauge, oscillating type, lifespan lubricated rollers and idlers

Track shoes, 610 mm (24"), grouser type

OPERATOR'S ENVIRONMENT

Heater/pressurizer/defroster, cab without air conditioner (A/C)

For use with cab:

- Air recirculation system with MSHA filters, severe service
- AM/FM CD radio
- Mirrors, 2 pcs, exterior
- Sun visors (2), additional, for side door windows
- Lights, 2 additional, ROPS mounted
- Lights, additional, ROPS mounted, 2 front, 2 rear or side

Canopy ROPS/FOPS

Includes vinyl seat, operator platform covers, instrument panel guard and lights, 2 front, 2 rear.

ROPS structure for use with sweeps

Includes vinyl seat, operator platform covers and instrument panel guard

SCREENS

Sweeps, forestry, front and rear, for standard cab with ROPS or open ROPS machine; include exhaust pipe extension with guard and guard for fuel tank and hydraulic reservoir

Screen, rear (required for winch application), for use with forestry sweeps

Lights, 2 front, for use with sweeps, sweeps side mounted

Screens for cab windows (front, rear, side, doors) bolted, black painted

Screens for cab lights (2 front, 2 rear), black painted

Screens for tractor lights (2 front, 2 rear)

Screens for ROPS mounted lights, (2 front)

GUARDS

Final drive rock guard

Track roller guards, full length

Transmission and engine crankcase guards, severe service

Engine hood, perforated

Tank guard, bolted (0.5" plate protects fuel tank and hydraulic reservoir)

ADDITIONAL OPTIONS

TD-25M Extra

Sound suppression package, for use with std solid hood or with perforated hood, includes sound suppressed radiator guard doors

Inspection lamp, 24 V, portable, with 20 ft of cable

Starting/charging receptacle plug assembly (required to jump start or charge batteries) with 15 ft of cable

Vandalism protection for use with engine enclosures

Maintenance tool kit, 17 items in a metal box

1,000 h maintenance package (filters)

2,000 h maintenance package (filters)

4,000 h maintenance package (filters)

TD-25R Extra

Sound suppression package, for use with std solid hood or with perforated hood, includes sound suppressed radiator guard doors

Ether start

Starting/charging receptacle plug assembly (required to jump start or charge batteries) with 15 ft of cable

Vandalism protection for use with engine enclosures

Maintenance tool kit, 17 items in a metal box

1,000 h maintenance package (filters)

2,000 h maintenance package (filters)

EXPORT PACKING

Export packing, drive-on/drive-off, machine on the trailer, cab crated

Export packing, drive-on/drive-off, machine on the railway wagon, cab disassembled, protected in box

SFRs

TD-25M Extra

Centralized Lubricating System

Trimble Ready Option, factory preinstalled hydraulics, harness and brackets for the Trimble Grade Control System components

Landfill Package for STD machine

TD-25R Extra

Centralized Lubricating System, for machine with or without ripper

Trimble Ready Option, factory preinstalled hydraulics, harness and brackets for the Trimble Grade Control System components

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