



TD-25M

CRAWLER DOZER

■ **Net Horsepower**
238 kW (320 hp)

■ **Blade Capacity**
up to 21 m³ (27.5 yd³)

■ **Operating Weight**
36 210 kg (79,829 lb)



TD-25M

CRAWLER DOZER

- Comfortable, sound suppressed cab
- Large capacity blades
- Heavy duty undercarriage
- Joystick for transmission and steering module control



ENGINE

- *Make and Model CUMMINS QSX15
- Type 4-cycle diesel, turbocharged CAC, direct start, direct injection
- ** Gross Horsepower @ 2100 rpm 268 kW (360 hp)
- *** Net Flywheel power @ 2100 rpm 238 kW (320 hp)
- Maximum torque @ 1400 rpm 1647 Nm (1,215 lb ft)
- Number of cylinders 6
- Displacement 15 l (912 in³)
- Bore and Stroke 137 x 169 mm (5.4" x 6.65")
- Lubrication, full flow filtering w/bypass full pressure
- Number of Main Bearings 7
- Electrical system 24 V
- Air cleaner dry type with exhaust aspirated primary and safety elements and service indicator

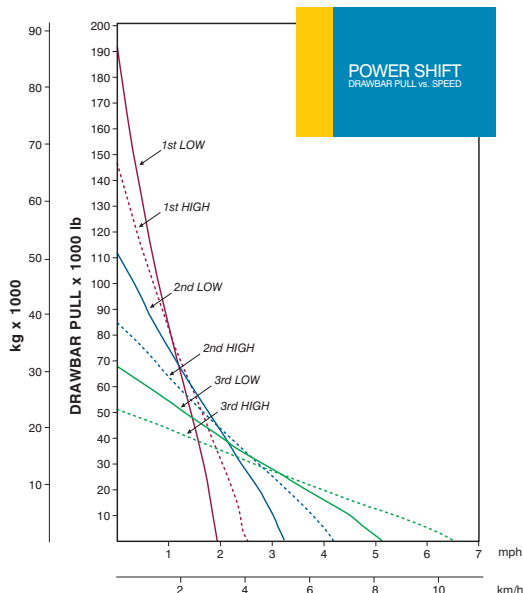
- * Meets EU Stage II and EPA Tier 2 emission regulations
- ** Output of complete engine operating under SAE J1995 conditions
- *** Output of standard engine complete with fan, air cleaner, muffler, alternator (not charging), water pump, lubricating oil pump, and fuel pump, per SAE J1349.

TRANSMISSION & TORQUE CONVERTER

Modular countershaft type power shift provides "on the move" speed and directional changes. Single stage, single phase 406 mm (16") modular torque converter with a stall ratio of 2.45:1. The three speed transmission combined with exclusive two speed steering provides 6 speeds forward and 6 reverse. The joystick valve has electric transmission range shift control for up and down shifting, steering Hi/Lo selection and LH/RH gradual turn.

TRAVEL SPEEDS

Gear	Range	Forward		Reverse	
		km/h	(mph)	km/h	(mph)
1 st	Low	3.1	(1.94)	3.7	(2.30)
	High	4.0	(2.52)	4.9	(3.03)
2 nd	Low	5.2	(3.25)	6.3	(3.92)
	High	6.8	(4.20)	8.1	(5.05)
3 rd	Low	8.3	(5.15)	9.9	(6.15)
	High	10.6	(6.56)	12.7	(7.90)



STEERING AND BRAKING

Two-speed geared steering module provides gradual turns while maintaining full power to both tracks plus conventional clutch-brake performance for tight or pivot turns. Foot pedal applies both brakes for parking and downhill control. Brakes are spring applied and hydraulically released.

FINAL DRIVES

Double-reduction with planetary final drive stage provides desired gear reduction at the sprocket. Eight-piece bolt-on sprocket distributes wear evenly over track bushings letting every tooth ride free one-half of the time to reduce wear. Sprocket segments are replaceable without removing track frames.

TRACK FRAME

All-welded heavy box section track frame is kept in alignment with track frame guides providing true vertical oscillation.

- Track rollers each side 7
- Top idlers each side 2
- Front idlers (drum type) 1
- All rollers and idlers lifespan lubricated
- Oscillation at center of front idler 406 mm (16")

TRACKS

Lubricated Track System (LTS) virtually eliminates internal pin and bushing wear through use of a patented seal assembly. The split master link reduces chain removal and installation time.

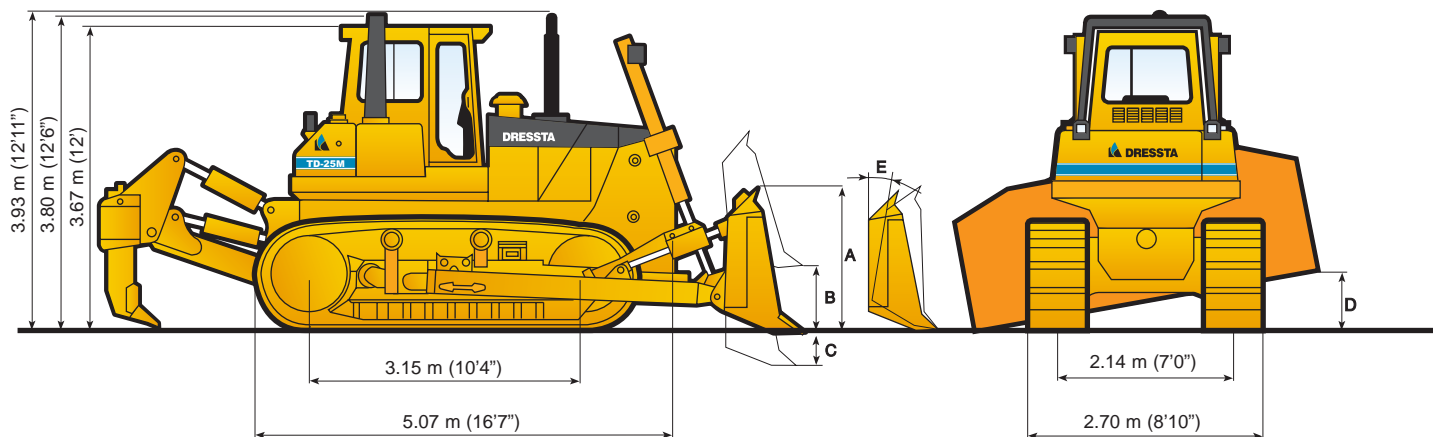
- Track shoe width, standard 560 mm (22")
- Strutted track link pitch 250 mm (9.86")
- Track shoes, each side 38
- Ground contact area with std. shoes 3.5 m² (5,456 in²)
- Ground pressure 100 kPa (14.6 psi)
- Height of grouser 76 mm (3")
- Track adjustment full hydraulic
- Ground clearance 575 mm (22.6")
- Fixed drawbar – height from ground to centerline of 95 mm (3.75") clevis 613 mm (24")

REFILL CAPACITIES

	Liter	(US gal)
Fuel tank	825	(218)
Cooling system	56	(15)
Crankcase	49	(13)
Transmission system	240	(63)
Final drive, each side	64	(16.9)

WEIGHT (Operating)

Includes std. equipment and Semi-U blade . . . 36 210 kg (79,829 lb)



VERTICAL DIMENSIONS INCLUDE 76 mm (3") GROUSER HEIGHT

OVERALL DIMENSIONS WITH EQUIPMENT

BLADE SELECTION	SEMI-U	FULL-U	ANGLE	COAL Blade
Length with blade and drawbar	6.88 m (22'7")	7.15 m (23'5")	6.89 m (22'7")	7.53 m (24'8")
Length with blade and multi-shank ripper	8.38 m (27'6")	8.65 m (28'5")	8.39 m (27'6")	9.03 m (29'8")
Length with blade and single shank ripper	8.94 m (29'4")	9.21 m (30'3")	8.95 m (29'4")	–
Width, blade angled	–	–	4.59 m (15'1")	–
Width over trunnions	3.21 m (10'6")	3.21 m (10'6")	3.21 m (10'6")	3.21 m (10'6")
Width over "C" frame	–	–	3.52 m (11'7")	–

BLADE SPECIFICATIONS

BLADE SELECTION	SEMI-U	FULL-U	ANGLE	COAL Blade
Blade Capacity, SAE J1265	9.6 m ³ (12.5 yd ³)	11.5 m ³ (15.0 yd ³)	5.7 m ³ (7.4 yd ³)	21 m ³ (27.5 yd ³)
Max. Usable Track Shoe Width	711 mm (28")	711 mm (28")	711 mm (28")	711 mm (28")
Blade Dimensions: – width over end bits – height, struts centered	4.05 m (13'3") 1.76 m (5'9")	4.35 m (14'3") 1.76 m (5'9")	4.95 m (16'3") 1.26 m (4'1")	5.61 m (18'5") 2.10 m (6'11")
Max. lift: – straight – angled	1.27 m (4'2") –	1.27 m (4'2") –	1.37 m (4'6") 1.54 m (5'1")	1.27 m (4'2") –
Max. drop below ground level	600 mm (23.6")	600 mm (23.6")	660 mm (26")	600 mm (23.6")
Max. tilt adjustment	880 mm (34.6")	945 mm (37.2")	435 mm (17.1")	1220 mm (48")
Blade angle, either side	–	–	25°	–
Max. pitch adjustment	10°	10°	–	10°
Weight of blade equipment	5 640 kg (12,434 lb)	6 280 kg (13,845 lb)	5 460 kg (12,037 lb)	7 720 kg (17,020 lb)

RIPPER SPECIFICATIONS

RIPPER SELECTION	MULTI-SHANK	SINGLE SHANK	
		Standard	Deep
Tool Beam			
Overall width	2 485 mm (98")	1 450 mm (57")	1 450 mm (57")
Cross section (height x width)	380 x 478 mm (15" x 18.8")	400 x 550 mm (15.7" x 21.7")	400 x 550 mm (15.7" x 21.7")
Ground clearance under tool beam: - ripper raised - ripper lowered	1 544 mm (68") 171 mm (6.7")	1 565 mm (62") 154 mm (6.1")	1 565 mm (62") 154 mm (6.1")
Shank			
Number of shank per ripper, max.	3	1	1
Spacing center to center	1 067 mm (42")	–	–
Penetration, max.	760 mm (29.9")	1 250 mm (49.2")	1 700 mm (66.9")
Ground clearance, max. raised	868 mm (34.2")	770 mm (30.3")	760 mm (29.9")
Shank positions (vertical)	2	4	6
Weight			
Complete, including one shank	5 100 kg (11,270 lb)	5 280 kg (11,630 lb)	5 370 kg (11,840 lb)
Each additional shank	318 kg (700 lb)	–	–
Penetration Force	137 kN (30,900 lb)	137 kN (30,900 lb)	137 kN (30,900 lb)
Pryout Force	317 kN (71,200 lb)	317 kN (71,200 lb)	317 kN (71,200 lb)

TD-25M

CRAWLER DOZER



HYDRAULIC CONTROL SYSTEM

Hydraulic pumps, driven from torque converter.	Cylinders, bore and stroke:
Output @ 15.5 MPa (2250 psi)	blade lift 127 x 1460 mm (5.0" x 57.5")
& 2145 engine rpm..... 313.2 l/min (82.7 gal/min)	tilt 200 x 130 mm (7.9" x 5.1")
Relief valve setting	tilt/pitch 185/200 x 130 mm (7.3"/7.9" x 5.1")
blade lift & ripper 17.2 MPa (2,500 psi)	Reservoir with sight gauge, right fender mounted 130 l (34 gal)
tilt 18.4 MPa (2,670 psi)	

STANDARD EQUIPMENT

- Air cleaner, dry type, with exhaust aspirated primary and safety elements and service indicator
- Air conditioner/heater/pressurizer/defroster; A/C condenser, behind roof mounted
- Alarm, back-up
- Alternator, 50A
- Antifreeze, -37°C (-34°F)
- Batteries, (4) 12 V, 1920 CCA, maintenance free, cold start
- Brakes, parking, with lock
- Coolant filter conditioner
- Cab with 2 post ROPS, sound suppression, air recirculation system, 2 front & 2 rear lights, 4 wipers w/washers, dome light, inside mirror (approved according to ROPS - SAE J1040 and FOPS - SAE J231)
- Cooling module, includes radiator, transmission oil cooler, fuel cooler, hydraulic oil/fan drive oil cooler, charge air cooler; isolation mounted
- Cylinders, lift, with quick drop valve
- Decelerator - right and brake - center pedal, foot operated
- Diagnostic centers for power train and equipment hydraulic pressures
- Drawbar, fixed
- Ecological drains for engine oil, radiator coolant and hydraulic oil
- Engine hood, solid, sloped
- Exhaust, resonator with elbow
- Fan, hydraulic driven, suction type, 2-speed
- Filters, engine oil, full flow and by-pass with replaceable "spin-on" elements
- Filters, power train & equipment hydraulics, "spin-on" micro glass type
- Final drive seal
- Fuel strainer
- Guards: crankcase with front pull hook, fan, radiator, dirt deflector sprocket, transmission
- Horn, electric
- Hydraulic control, 1 valve, 1 lever with pilot operated blade control (lift)
- Instrument panel light
- Instruments: Gauges: fuel level, engine coolant temperature, engine oil pressure, torque converter oil temp, voltmeter, hourmeter, joystick control display; Warning lights: air cleaner filter, transmission oil filter, hydraulic oil filter, transmission/clutch oil low pressure; Audible & visual warning system: low engine coolant level, low engine oil pressure
- Lights w/guards, 2 front - lift cylinders mounted, 2 rear - fuel tank mounted
- Muffler, under engine hood, insulated
- Radiator guard doors, louvered, two-piece, hinged
- Receptacle, charging
- Seat belt (SAE J386) - 3" wide, retractable
- Seat, deluxe, air suspension type, fabric cover, adjustable with arm rests, swivel 14° to right
- Starting, 24 V
- Steering, 2 speed, left hand single lever control (joystick)
- Tools compartment
- Torque converter, single stage
- Track adjusters, hydraulic
- Track chain, sealed and lubricated (LTS) with split master link, 38 links
- Track chain guides, integral
- Track frame, 7 roller, 2.14 m (84") gauge, oscillating type, lifespan lubricated rollers and idlers
- Track shoes 560 mm (22"), grouser type
- Transmission, power shift, 3 speeds forward, 3 reverse, combined with 2 speed steering provides 6 speeds forward and 6 reverse
- Water separator, fuel system

OPTIONAL ATTACHMENTS

- Air recirculation system with MSHA external filter
- Alternator, 80 A
- AM/FM CD radio (for use with cab)
- Bulldozer:
 - Semi-U, w/tilt or tilt / pitch, 9.6 m³ (12.5 yd³)
 - Full-U, w/tilt or tilt / pitch, 11.5 m³ (15 yd³)
 - Coal Dozer, w/tilt or tilt / pitch, 21 m³ (27.5 yd³)
 - Angle Dozer, less tilt, 5.7 m³ (7.4 yd³)
 - Hydraulic tilt for Angle Dozer
- Canopy, ROPS / FOPS (SAE J1040, J231)
- Drawbar, fixed counterweight, 1860 kg (4100 lbs)
- Drawbar, counterweight, 1860 kg (4100 lbs) with additional counterweight (cast), 1452 kg (3200 lbs)
- Engine enclosures:
 - Solid hood and perforated side doors
 - Hood and side doors perforated
- Ether start
- Guards:
 - Crankcase, severe service
 - Transmission, severe service
 - Rock deflector sprocket
 - Track roller, full length
- Heater/pressurizer/defroster
- Hydraulic controls, 3-spool valve, 2 lever
- Lights, 2 front and 2 rear (for use w/canopy ROPS / FOPS)
- Lights, 2 front, ROPS mounted (for use with cab)
- Mirrors, 2 pcs, exterior (for use w/cab)
- Operator platform covers (for use w/canopy ROPS/FOPS)
- Ripper, multi-shank w/hydraulic pitch
 - ripper shanks w/pin, max. 3
- Ripper, single-shank w/hydraulic pitch
 - ripper shank, standard dig
 - ripper shank, deep dig
 - pin puller, hydraulic
- Sealed track system
- Seat, air suspension, vinyl cover (for use w/canopy ROPS / FOPS)
- Sound suppression package
- Starting/charging receptacle plug assembly w/15 ft cable
- Tools, inches, 17 items in metal box
- Track shoes:
 - 560 mm (22") severe service
 - 610 mm (24")
 - 610 mm (24") severe service
 - 660 mm (26") clipped corner
 - 660 mm (26") severe service, clipped corner
 - 711 mm (28") clipped corner
 - 711 mm (28")
- Vandalism protection

Specifications subject to change without notice. Illustrations and pictures may include optional equipment and may not include all standard equipment.

DRESSTA Co.Ltd.

Kwiatkowskiego 1, 37-450 Stalowa Wola, POLAND
 tel. +48 15 843 5252, 843 4556 fax: +48 15 844 4714, 872 0207
www.dressta.com.pl