



# Excellent waste compact



# **Tailored to special Customer Needs**

Dressta TD-20M LA crawler dozers are mostly used in landfills to prepare the site, build access roads and then spread and compact refuse. They rip ground cover and compact it over the refuse. They operate under all weather conditions and are suitable for all methods of waste dis posal. Thanks to various special attachments these machines are properly tailored to landfill works. We supply the end-user with a machine protected against contamination and ensuring optimal performance.



Perforated engine hood

Front lights w/grid covers

Reversible fan

Quick opening radiator doors

Large capacity blade w/trash rack

Electric winch for crankcase guard

Severe service crankcase & transmission guards

Front striker bars

# Large Blades

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Semi-U or Full-U blades, equipped with a trash rack, thanks to their large capacities, are the most common blades used on landfill crawler dozers. The trash rack has a steel plate in the center to prevent rods, wires, etc. from entering into the radiator area.

Dressta TD-20M LA working with the heavy Full-U trash rack blade, requires the use of an additional counterweight, which will ensure the appropriate balance of the machine.

Dressta offers the TD-20M LGP LA landfill dozer with the Low Ground Pressure undercarriage and 864 mm wide track shoes and a straight blade with trash rack.









The operator's cab in our landfill machines is specially designed to provide the utmost safety and operating comfort as well as to contribute to increased productivity.

Harsh operating conditions in landfill areas require additional protection, therefore, the cab can optionally be equipped with screens of the windows and cab lights to protect against damage. Machine Trimble Ready Option is designed to reduce the effort required to install Trimble GCS900 Grade Control components with pre-installed with wiring and brackets for common system configurations. The Grade Control System help contractors finish the site faster with less rework, less staking, less checking, lower costs and improved material yields. It is ideal for bulk earthworks, compaction and finished grading.

# The 6-sided spacious cab is sound suppressed and protected with 2-post ROPS.

An air-suspension seat with a safety belt offers full adjustment and provides substantial reduction of vibrations. The large cab windows and sloped hood provide an excellent view of the mounted equipment and an all-around viewing area.

The instrument panel provides ongoing information on all systems of the machine.



The sealed operator's cab is equipped with an A/C and air reciculation system. The recirculated air inside the cab is filtered with the internal filter, located behind the operator's seat. The outside air is filtered with the external filter, installed below the rear cab window. Cleaned air passes through the A/C and is cooled or heated as required. Overpressure inside the cab prevents outside airborne contamints from entering.



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The cooling module consists of a charge air cooler (CAC), engine coolant radiator, powertrain oil cooler, hydraulic oil cooler/fan drive cooler . The aluminum design of the cooling module aids durability, allows higher heat transfer and has superior corrosion resistance.

A hydraulically driven fan and a self-cleaning cooling module is effectuated by reversing the fan rotation and airflow.



Extensive guarding helps prote especially the undercarriage, harsh waste handling environr Minimizing build-up helps prev Track roller guards and final du etc. out of the rollers, track ch Sprocket rock guards preve between sprocket teeth and tra

Trimble GNSS-based machine control solution is offered for landfill compaction operations. It extends the Trimble 3D grade control family to include soil and sub-surface material compaction. Installed on the crawler dozer, the CCS900 system tracks compaction passes in real time with easy-to-read colour mapping on the in-cab display. It allows a machine operator to make uniform passes, report compaction production data in the field, and ensure target compaction is reached with minimal fuel usage and machine wear.



ct the critical machine components, from being damaged by debris in nents.

- rent component damage. ive seal guards keep refuse, brush, ain and final drives.
- nt landfill material from entering ack chain bushings.



DRESSTA

Center clean-out holes in track shoes reduce the packing of materials between the sprocket and the track chain bushings which cause accelerated wear of the track components.



Striker bars prevent debris from riding up the track and damaging the fenders. Front striker bars can be either bar type (STD) or bridge type (LT, LGP). Rear striker bars can be attached to either a ripper frame, if the tractor is so equipped, or to a landfill counterweight box.

Specification

#### ENGINE

*	Make and model	CUMMINS QSC8.3
	Туре	In-line, 6-cylinder
	Aspiration	Turbocharged and CAC
	Fuel system	HPCR Electronic
	Gross Horsepower, SAE J1995	194 kW (260 hp)
**	Net Flywheel power, SAE J1349/ISO 9249	179 kW (240 hp)
	Rated rpm	2200 rpm
	Max. torque @ 1500 rpm	1180 Nm (870 lb-ft)
	Displacement	8.3 l (505 in <sup>3</sup> )
	Bore x Stroke 114 x	x 135 mm (4.49" x 5.32")
	Air cleaner dry type with ex	khaust aspirated primary
	and safety eleme	nts and service indicator

\* Meets EU Stage IIIA and EPA Tier 3 emission regulations

\*\* Net Horsepower at the minimum speed of hydraulic fan 191 kW (256 hp)

#### **TRANSMISSION & TORQUE CONVERTER**

Modular, countershaft type power shift, electro-hydraulic control. Preset travel speed selection and auto-downshift.

Single stage 370 mm (14.6") torque converter with a 2.3:1 stall ratio drives to transmission through a double universal joint.

#### **TRAVEL SPEEDS**

Gear	Range	Forward		Reverse		
		km/h	(mph)	km/h	(mph)	
1 st	Low	2.9	(1.8)	3.5	(2.2)	
	High	3.8	(2.4)	4.5	(2.8)	
2 nd	Low	5.3	(3.3)	6.2	(3.9)	
	High	6.8	(4.2)	8.0	(5.0)	
3 rd	Low	8.3	(5.2)	9.8	(6.1)	
	High	10.6	(6.6)	12.5	(7.8)	



#### **STEERING & 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. This type of steering system offers superior traction in all types of operations and terrain 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 geared turn.

Foot pedal applies both brakes for parking and downhill control. Brakes are spring applied and hydraulically released.

#### **FINAL DRIVES**

Double-reduction with outboard planetary final drive stage provides desired gear reduction at the sprocket. Ring-type sprocket distributes wear evenly over track bushings letting every tooth ride free onehalf of the time to reduce wear. Final drives or sprockets 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 or	scillation.
Track rollers, each side	
Top idlers, each side	
Front idlers (drum type)	1
All rollers and idlers	lifespan lubricated
Oscillation at center of front idler (STD)	295 mm (11.6")
Oscillation at center of front idler (LT, LGP)	328 mm (12.9")

#### **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.

	STD	LT	LGP
Track shoe width, std.	560 mm	560 mm	864 mm
	(22")	(22")	(34")
Track shoes, each side	40	42	42
Ground contact area	3.2 m <sup>2</sup>	3.5 m <sup>2</sup>	5.3 m <sup>2</sup>
	(4,972 in <sup>2</sup> )	(5,425 in²)	(8,228 in <sup>2</sup> )
Ground pressure	83.3 kPa	78.9 kPa	52.0 kPa
(w/standard equipment)	(12.1 psi)	(11.3 psi)	(7.6 psi)
Height of grouser			<sup>7</sup> mm (2.63")
Ground clearance		460	) mm (18.1")

#### **REFILL CAPACITIES**

	Liter	(US gal)
Fuel tank	490	(130)
Cooling system	50	(13.2)
Crankcase	23	(6.1)
Transmission system	173	(45.8)
Final drive, each side	38	(10)
Hydraulic reservoir	115	(30.4)
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#### **OPERATING WEIGHT**

Includes std. equipment, blade equipment, coolant lubricants and full fuel tank

	SID	LI	LGP
Type of blade	Semi-U	Semi-U	Straight
	27210 kg	27770 kg	28240 kg
	(59,987 lb)	(61,222 lb)	(62,258 lb)



\*INCLUDES 67 mm (2.63") GROUSER HEIGHT

## **OVERALL DIMENSIONS WITH EQUIPMENT**

BLADE SELECTION		SEMI-U	FULL-U	STRAIGHT
Length with blade and rear striker bars	STD LT LGP	5.98 m (19'7") 6.20 m (20'4") —	6.22 m (20'5") 6.44 m (21'2") —	— — 6.02 m (19'9")
Length with blade and multi-shank ripper	STD LT	6.89 m (22'7") 7.11 m (23'4")	7.13 m (23'5") 7.35 m (24'1")	
Width over trunnions		2.89 m (9'6")	2.89 m (9'6")	3.32 m (10'11")

#### **BLADE SPECIFICATIONS**

BLADE SELECTION	SEMI-U	FULL-U	STRAIGHT
UNDERCARRIAGE	STD & LT	STD & LT	LGP
Blade Capacity, SAE J1265	14.10 m³ (18.4 yd³)	17.15 m <sup>3</sup> (22.4 yd <sup>3</sup> )	13.0 m³ (17.0 yd³)
Blade Dimensions:       – width over end bits         – height, struts centered       A	3.5 m (138") 2.21 m (87")	3.86 m (152") 2.23 m (88")	4.37 m (172") 2.02 m (80")
Max. lift, straight B	STD 1150 mm(45") LT 1220 mm(48")	STD 1150 mm(45") LT 1220 mm(48")	1210 mm (47.6")
Max. drop below ground level C	STD 505 mm (19.9") LT 532 mm (20.9")	STD 505 mm (19.9") LT 532 mm (20.9")	522 mm (20.6")
Max. tilt adjustment D	670 mm (26.3")	720 mm (28.3")	660 mm (26")
Max. pitch adjustment E	10°	10°	_
Weight of blade equipment	3750 kg (8,267 lb)	4200 kg (9,259 lb)	3050 kg (6,724 lb)

## **RIPPER SPECIFICATION**

TOOL BEAM	SHANKS
Overall width 2.13 m (84")	Number of shanks, max
Cross section, height x width 305 x 381 mm (12" x 15")	Spacing center to center
Ground clearance under tool beam:	Penetration, max
– ripper raised	Ground clearance, max. raised 596 mm (23.5")
– ripper lowered 178 mm (7")	Shank positions (vertical) 2
WEIGHT	
Complete, including one shank 2900 kg (6,400 lb)	Penetration force
Each additional shank 196 kg (432 lb)	Pryout force

# TD-20M LA **DFILL CRAWLER DOZER** STD-LT-LGP

# HYDRAULIC CONTROL SYSTEM

Multiple gear pumps, driven from torque converter.	
142 l/min (27 5 gpm)	
142 (film (37.5 gpm)	
2nd pump	
and pilot pump output @ 2.07 MPa (300psi) 35.2 l/min (9.3 gpm)	Cylinders, bore and stroke:
Relief valve setting:	lift
blade lift & ripper	tilt
tilt 17.9 MPa (2,600 psi)	tilt/pitch 180/165.1 x 146.5 mm (7.09"/6.5" x 5.73")

1 Lan

# STANDARD EQUIPMENT

- Air cleaner, dry type, with exhaust aspirated primary, safety elements and service indicator.
- Air conditioner/heater/pressurizer/defroster, underseat mounted; A/C condenser, behind roof mounted • Alarm, back-up

- Alternator, 80 A
   Antifreeze, -37°C (-34°F)
   Batteries, (2)12 V, 815 CCA, maintenance free
- Datteries, (2) 12 v, 815 CCA, maintenance free
   Brakes, foot,spring applied, hydraulically released
   Cab with 2 post ROPS, sound suppression, air recirculation system, 2 F and 2 R lights, 4 wipers w/washers, dome light, interior mirror (approved according to ROPS SAE J1040 and FOPS SAE J231)
   Coolant filter conditioner
   Coolang modulo includes radiates transmission
- Cooling module, includes radiator, transmission oil cooler, hydraulic oil/fan drive oil cooler, charge air cooler; isolation mounted
- Decelerator right foot pedal and brake center foot pedal
- Diagnostic centers for power train and equipment blaghould bontor of power train and equipment hydraulic pressures
  Ecological drains for engine oil, radiator coolant
- Engine hood, sloped, perforated type
   Engine side doors, hinged, perforated type
- Exhaust pipe extension
- Fan, hydraulically driven, airflow reversible
  Filters, engine oil, full flow and by-pass with replaceable "spin-on" elements

- Final drive seal guard • Fuel strainer
- Guards: crankcase, hinged, severe service type with front pull hook, transmission, severe service type, fan, radiator, sprocket rock and dirt deflector
- **OPTIONAL ATTACHMENTS** 
  - Air recirculation system with MSHA filters
  - AM/FM CD radio
  - Batteries, cold start, (2) 12V, 960 CCA

  - Blade Equipment, complete:
     Full-U, with trash rack, 17.15 cu.m (22.4 cu.yd), includes hydraulic tilt (additional counterweight recommended)

  - Semi-U, with trash rack, 14.1 cu.m (18.4 cu.yd), includes hydraulic tilt
     Hydraulic tilt/pitch for Semi-U or Full-U dozer
  - Straight dozer with trash rack 13.0 cu.m
  - (17 cu. yd), includes hydraulic tilt Exhaust extension with guard

  - (for use with forestry sweeps) Guards:
  - Additional counterweight, 2 plates (for use with standard rear striker bars)

- Horn, electric • Hydraulic control, 1 valve, 1 lever with pilot
- operated blade control (lift) 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

- adjustable with arm rests, swivel 14° to right Special rear, quick opening, perforated type enclosure plates beneath fuel tank
- Starting, 24 V
- Starting aid air grid heater
  Steel debris deflector bars, below engine side doors
- Steering, planetary type, 2-speed, left hand single lever control (joystick)
  Striker bars, front, main frame mounted (STD)
  Striker bars, front, track frame mounted (LT)

- Striker bars, front, track frame mounted (LGP)
- Striker bars, rear Include rigid drawbar and counterweight (storage space for 5 vertical plates), include 3 plates

Tank guard, bolted (includes deduct for rear access platform)

(for use w/ripper) • Inspection lamp 24 V, portable with 6 m (20') cable • Lights, 2 F, ROPS mounted (not for use with

sweeps) • Lights, 2 F, sweeps mounted (instead of standard 2 F, lift cylinder mounted lights)

Mirrors, 2 pcs, exterior
Ripper, multi-shank beam w/o hydraulic pitch

Hydraulic pitch for ripper beam

- Ripper shank w/pin, max. 3

Rear striker bars, ripper frame mtd.

Track roller, full length (STD)
 Track roller, full length (LT, LGP)
 Hydraulic controls, 3-spool valve, 2 lever

- Tools compartment
- Torque converter, single stage
   UNDERCARRIAGE
   Track frames, oscillating type, lifespan lubricated

rollers and idlers

- Track adjusters, hydraulic. Track chain end guides, integral. STANDARD (STD) Track chain, sealed and lubricated (LTS) with split
- master link, 40 links
- Track frame, 6 roller, 1981 mm (78") gauge Track shoes, 560 mm (22"), grouser type with clean-out holes
- LONG TRACK (LT)

- LONG TRACK (LT)
   Track chain, sealed and lubricated (LTS) with split master link, 42 links
   Track chain center guides
   Track frame, 7 roller, 1981 mm (78") gauge
   Track shoes, 560 mm (22"), grouser type with clean-out holes
   LOW GROUND PRESSURE (LGP)
   Track chain, sealed and lubricated (LTS) with split master link, 42 links
   Track chain center guides
   Track chain, center guides
   Track frame, 7 roller, 2180 mm (86") gauge

- Track shoes, 864 mm (34"), extreme clipped corner, grouser type with clean-out holes Transmission, power shift, 3 speeds forward, 3 reverse, preset travel speed selection and autodownshift
- Vandalism protection for cab & engine enclosures
- Water separator fuel system
  Winch electrical, for lowering engine crankcase guard
- Screen rear (required for winch application), includes deduct for standard access platform
  Screening package; cab for screens installation
- must be ordered Screens for cab windows (front, rear, side and doors)
- Screens for cab lights
- Sun visor in cab
- Striker bars, front, track frame mounted (LT) (for use with 26" track shoes)
- Sweeps forestry, front and rear
- Tools in metal box
- Track shoes, clipped corner with clean out holes (STD&LT): 610 mm (24"), 660 mm (26")
- Trimble Ready

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



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Audible & visual warning system. Tow engine coolant level, low engine oil pressure, high engine coolant temp., high torque converter oil temp.
Lights with guards, 2 F - lift cylinders mounted, 2 R with metal grid covers - fuel tank mounted
Muffler, under engine hood, insulated
Radiator guard doors, louvered, two-piece, hinged, with gradient and solve and sol Receptacle, starting/charging
Seat belt (SAE J386) – 3" wide, retractable
Seat, deluxe, air suspension type, fabric cover, adjusted build a wide are restered to vision 14% to right.