

TD-20M LA

LADFILL CRAWLER DOZER

STD-LT-LGP



HYDRAULIC CONTROL SYSTEM

Multiple gear pumps, driven from torque converter.

Output @ 6.89 MPa (1,000 psi) and 2330 rpm:

1st pump	142 l/min (37.5 gpm)
2nd pump	62.5 l/min (16.5 gpm)
and pilot pump output @ 2.07 MPa (300psi)	35.2 l/min (9.3 gpm)

Relief valve setting:

blade lift & ripper	16.9 MPa (2,450 psi)
tilt	17.9 MPa (2,600 psi)

Cylinders, bore and stroke:

lift	110 x 1300 mm (4.33" x 51.18")
tilt	180 x 146.5 mm (7.09" x 5.73")
tilt/pitch	180/165.1 x 146.5 mm (7.09"/6.5" x 5.73")

STANDARD EQUIPMENT

- Air cleaner, dry type, with exhaust aspirated primary, safety elements and service indicator. Includes turbine type precleaner with debris guard
- 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
- 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
- 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 hydraulic pressures
- Ecological drains for engine oil, radiator coolant and hydraulic oil
- 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
- 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 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, quick opening
- Rear access platform
- Receptacle, starting/charging
- Seat belt (SAE J386) – 3" wide, retractable
- Seat, deluxe, air suspension type, fabric cover, 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
- 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)
 - 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 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 auto-downshift
 - Vandalism protection for cab & engine enclosures
 - Water separator fuel system
 - Winch electrical, for lowering engine crankcase guard

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)
 - Tank guard, bolted (includes deduct for rear access platform)
 - Track roller, full length (STD)
 - Track roller, full length (LT, LGP)
- Hydraulic controls, 3-spool valve, 2 lever (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
 - Rear striker bars, ripper frame mtd.
 - Ripper shank w/pin, max. 3
- 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<): 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.

DRESSTA

www.dressta.com.pl
sales@dressta.com.pl



DRESSTA TD-20M LA

LANDFILL CRAWLER DOZER

STD-LT-LGP

■ Net Horsepower
179 kW (240 hp)

■ Blade Capacity
up to 17.15 m³ (22.4 yd³)

■ Operating Weight
27210 kg (59,987 lb) STD
27770 kg (61,222 lb) LT
28240 kg (62,258 lb) LGP



Excellent waste compact

Rear lights w/grid cover

Audible & visual warning system

Turbine type air cleaner

Fuel & hydraulic oil tank guard

Rear striker bars on counterweight box or ripper frame

Track shoes w/clean-out holes

Sprocket guard

Track roller guards

Perforated side doors



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 disposal. 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.

ion capability



Large Blades

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.

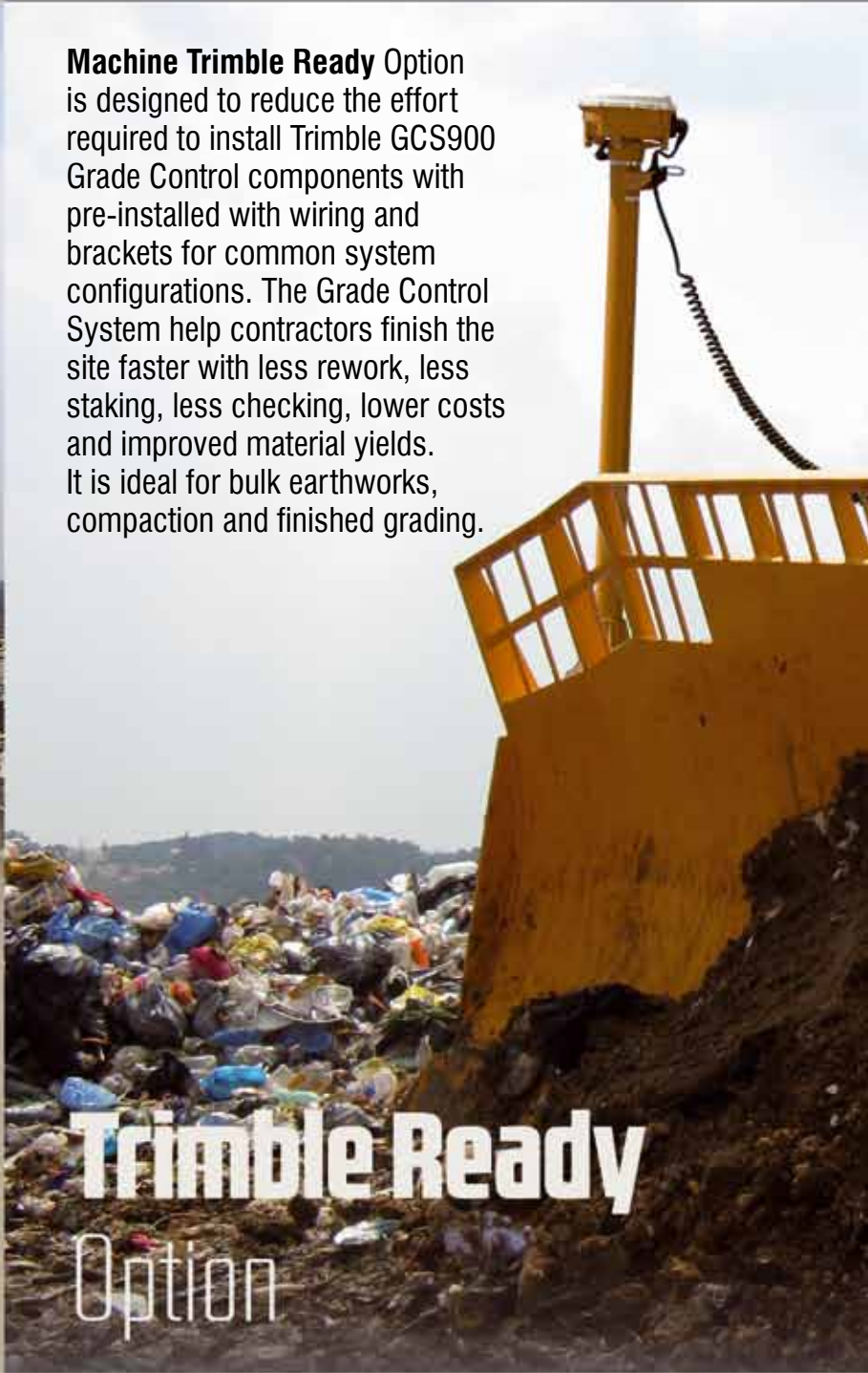


The 6-sided spacious cab is sound suppressed and protected with 2-post ROPS.

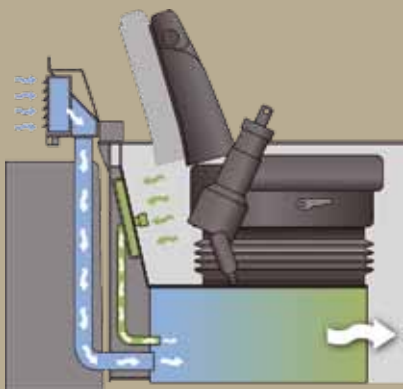
An air-suspension seat with a safety belt offers full adjustment and provides substantial reduction of vibrations. The large cab windows and sloped hood provide an excellent view of the mounted equipment and an all-around viewing area.

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

Machine Trimble Ready Option is designed to reduce the effort required to install Trimble GCS900 Grade Control components with pre-installed 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.



Trimble Ready Option



The sealed operator's cab is equipped with an A/C and air recirculation 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 contaminants from entering.



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 protect especially the undercarriage, in harsh waste handling environments. Minimizing build-up helps prevent track rollers and final drive sprockets from becoming clogged with trash, etc. out of the rollers, track chain sprocket rock guards prevent damage between sprocket teeth and track.



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.



Protect the critical machine components, prevent component damage. Protective seal guards keep refuse, brush, and debris from being damaged by debris in the track system. Prevent landfill material from entering track chain bushings.



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
- Type 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 in³)
- Bore x Stroke 114 x 135 mm (4.49" x 5.32")
- Air cleaner dry type with exhaust aspirated primary and safety elements and service indicator

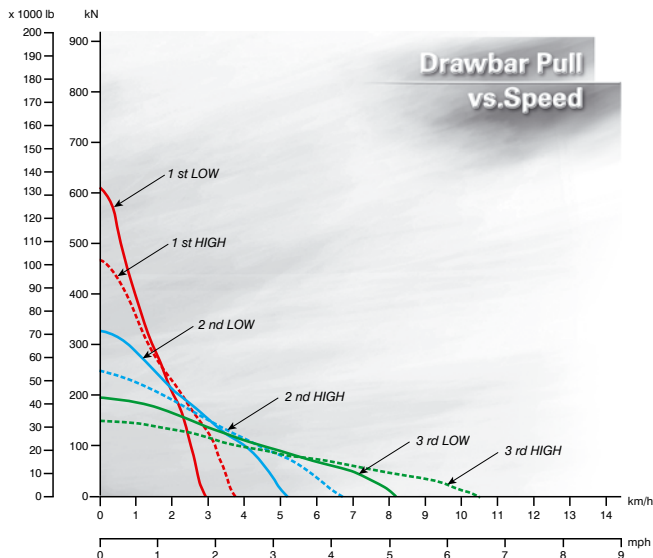
* Meets EU Stage IIIA and EPA Tier 3 emission regulations
 ** Net Horsepower at the minimum speed of hydraulic fan 191 kW (256 hp)

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 oscillation.

- Track rollers, each side 6 (7)
- Top idlers, each side 2
- 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 (22")	560 mm (22")	864 mm (34")
Track shoes, each side	40	42	42
Ground contact area	3.2 m ² (4,972 in ²)	3.5 m ² (5,425 in ²)	5.3 m ² (8,228 in ²)
Ground pressure (w/standard equipment)	83.3 kPa (12.1 psi)	78.9 kPa (11.3 psi)	52.0 kPa (7.6 psi)
Height of grouser	67 mm (2.63")		
Ground clearance	460 mm (18.1")		

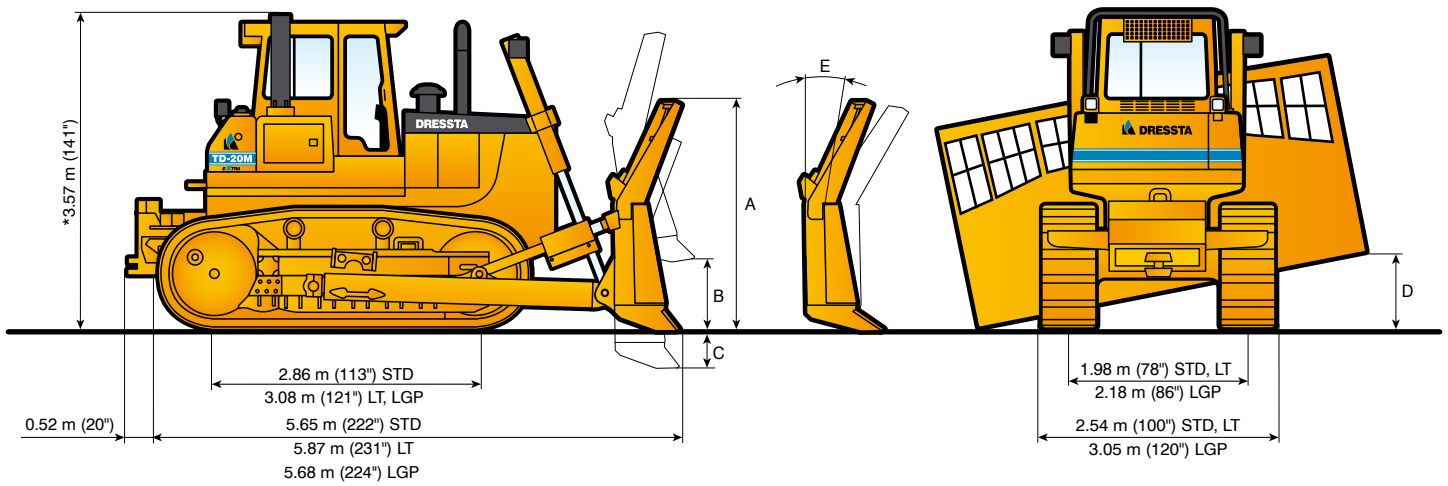
REFILL CAPACITIES

	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)

OPERATING WEIGHT

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

Type of blade	STD	LT	LGP
	Semi-U	Semi-U	Straight
	27210 kg (59,987 lb)	27770 kg (61,222 lb)	28240 kg (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	5.98 m (19'7")	6.22 m (20'5")	—
	LT	6.20 m (20'4")	6.44 m (21'2")	—
	LGP	—	—	6.02 m (19'9")
Length with blade and multi-shank ripper	STD	6.89 m (22'7")	7.13 m (23'5")	—
	LT	7.11 m (23'4")	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 m ³ (18.4 yd ³)	17.15 m ³ (22.4 yd ³)	13.0 m ³ (17.0 yd ³)
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")
	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.	3
Cross section, height x width	305 x 381 mm (12" x 15")	Spacing center to center	991 mm (39")
Ground clearance under tool beam:		Penetration, max.	700 mm (27.6")
– ripper raised	1295 mm (51")	Ground clearance, max. raised	596 mm (23.5")
– ripper lowered	178 mm (7")	Shank positions (vertical)	2
WEIGHT		Penetration force	91.1 kN (20,479 lb)
Complete, including one shank	2900 kg (6,400 lb)	Pryout force	282.2 kN (63,439 lb)
Each additional shank	196 kg (432 lb)		