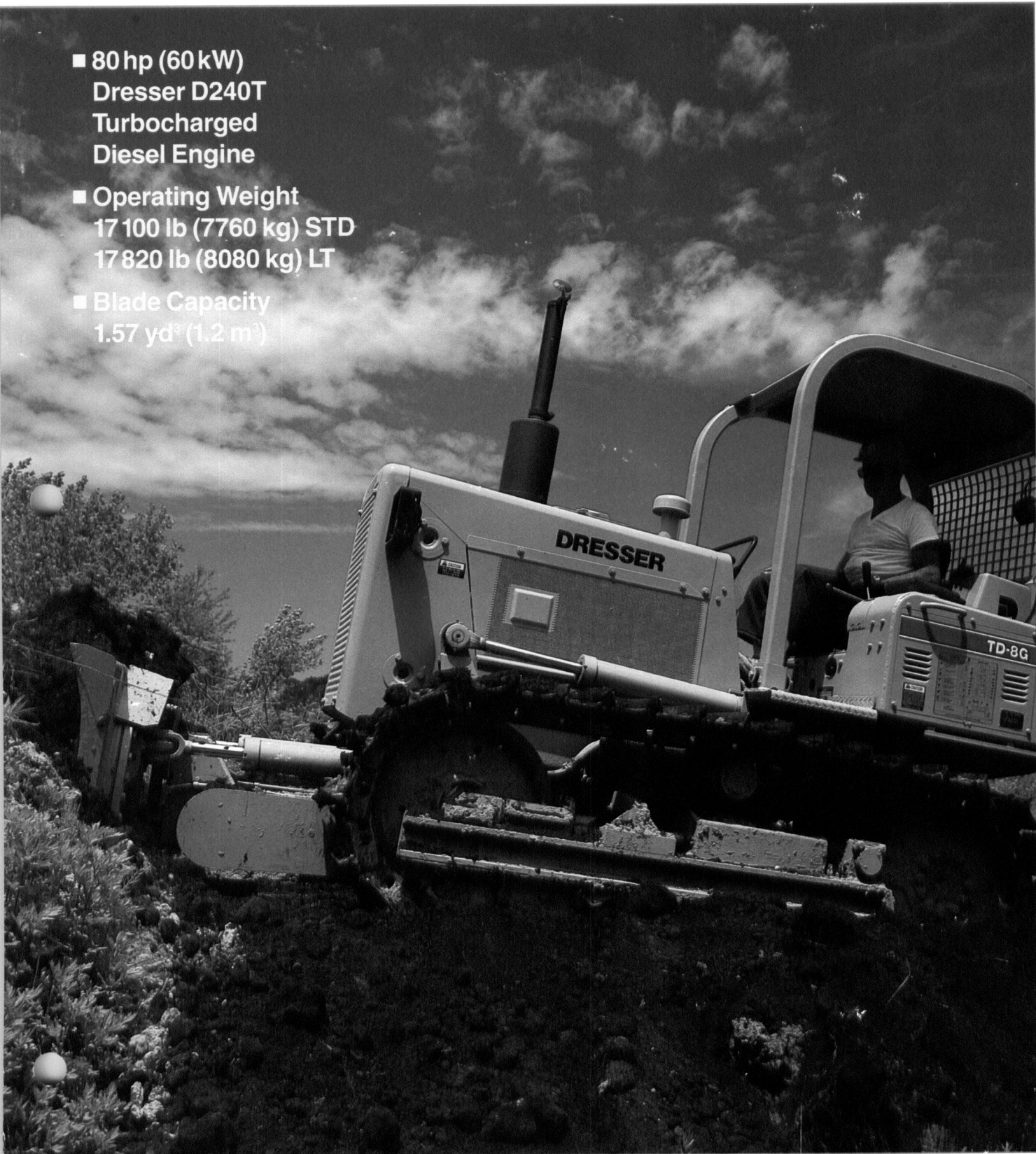




TD-8G

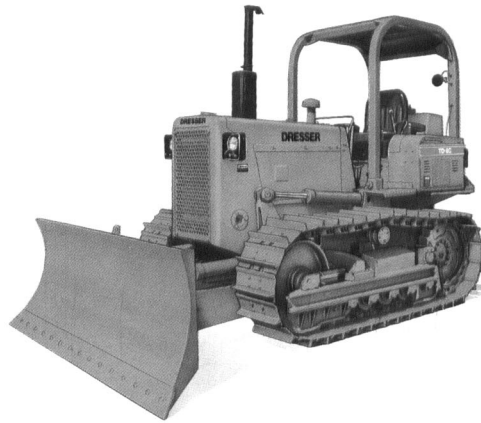
Standard &
Long Track

- 80 hp (60 kW)
Dresser D240T
Turbocharged
Diesel Engine
- Operating Weight
17 100 lb (7760 kg) STD
17 820 lb (8080 kg) LT
- Blade Capacity
1.57 yd³ (1.2 m³)



DRESSER TD-8G Standard & Long Track

- Full power-shift transmission
- Highly efficient torque converter
- Wet-type steering & brakes
- Lubricated Track System available
- Hydraulic lift, tilt & angle blade
- Long Track for fine grading



ENGINE

Make and Model Dresser D240T
 Type 4-cycle diesel, turbocharged,
 direct start, direct injection

*Flywheel power @ 2500 rated rpm 80 hp (60 kW)
 Maximum torque @ 1200 rpm 235 lb ft (319 N·m)
 No. of cylinders 4
 Displacement 239 in³ (3.9 L)
 Bore and Stroke 4" x 4.7" (102 x 120 mm)
 Lubrication, full flow filtering full pressure
 Number of main bearings 5

Electrical system 12 V
Air cleaner two stage, dry type
 with service indicator

*Flywheel power—output of standard engine (SAE J1349) complete with fan, air cleaner, alternator, water pump, lubricating oil pump and fuel pump. Engine will maintain specified flywheel power up to 10 000' (3048 m) altitude.

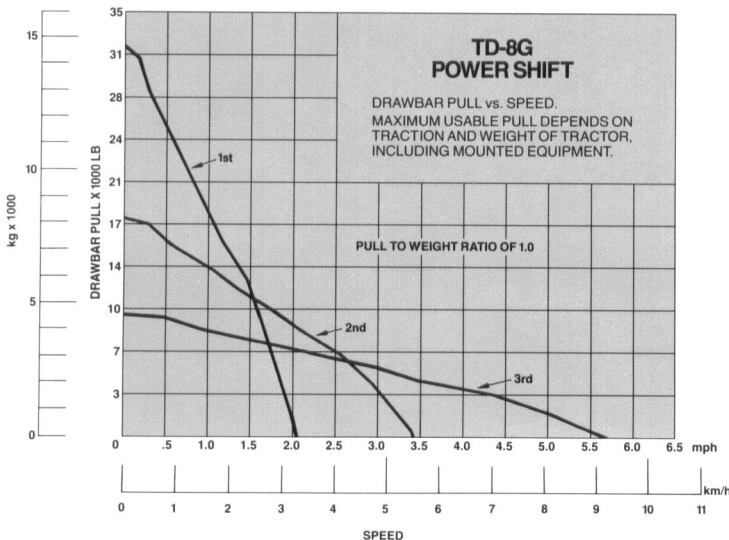
TRANSMISSION & TORQUE CONVERTER

Countershaft type full power shift with 3 speeds forward, 3 reverse.

Single stage 10.6" (269 mm) torque converter with 2.2:1 stall ratio drives to transmission through a double universal joint.

TRAVEL SPEEDS

Gear	Forward		Reverse	
	mph	(km/h)	mph	(km/h)
1st	2.1	(3.3)	2.5	(4.0)
2nd	3.5	(5.6)	4.1	(6.7)
3rd	5.8	(9.3)	6.9	(11.2)



STEERING & BRAKING

Single stage planetary type, wet 14.5" (368.3 mm) single disc steering clutches. 14.5" (368.3 mm) single disc wet-type steering brakes. Low effort short-throw levers for one-hand finger-tip control. Both tracks are braked on downgrades or for parking by a single foot pedal. Steering clutches and brakes run in oil.

FINAL DRIVES

Single stage spur-gear drive to sprockets. 8.1:1 reduction ratio. Final drive has metal face seals. Operates in oil for long life. Sprockets are replaceable without removing track frames.

TRACK FRAME

Heavy steel channel, rigid mount.

	Std.	Long Track
Track rollers each side	5	6
Top idlers each side	1	1
Front idlers (disc type)	casting	casting
All rollers and idlers	Lifespan lubricated	

TRACKS

Lubricated Track System (Std. on Long Track) virtually eliminates internal pin and bushing wear.

Track shoe width (std. shoes) 16" (406 mm)
 Strutted track link pitch 6.5" (165 mm)

	Std.	Long Track
Track shoes each side	36	40
Ground contact area with standard shoes	2403 in ² (1.55 m ²)	2803 in ² (1.84 m ²)
Ground pressure	7.1 psi (0.49 kg/cm ²)	6.4 psi (0.44 kg/cm ²)
Height of grouser	2.11" (54 mm)	
Track adjustment	full hydraulic	
Minimum ground clearance from bottom face of shoe	15.1" (383 mm)	
Recovery hitch—height from ground to centerline of clevis	20.7" (525 mm)	

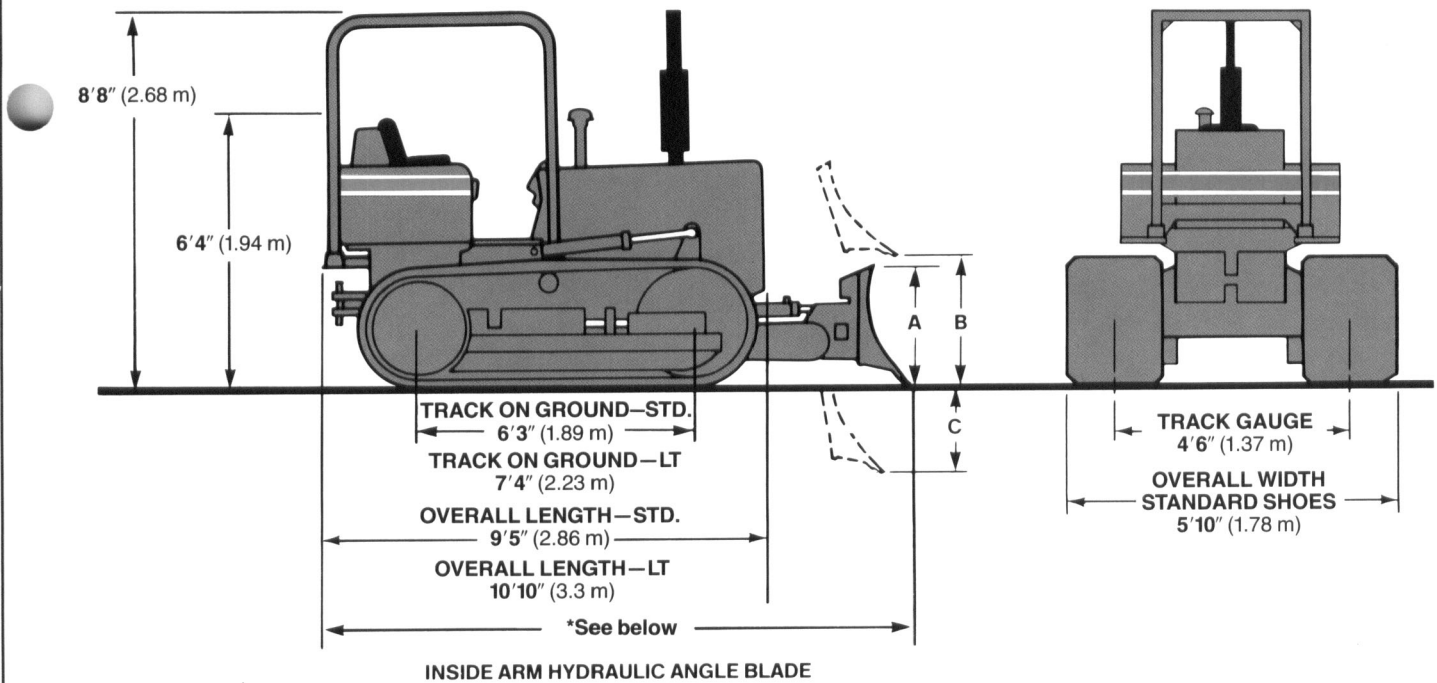
CAPACITIES

	US gal	(Liter)
Fuel tank	38.0	(143.8)
Cooling system	6.75	(25.6)
Engine lubrication, incl. filters	2.75	(10.4)
Transmission & rear frame	18.5	(70)
Sprocket drive, each side	4	(15.1)

WEIGHT (Operating)

Includes ROPS, Hydraulic Angle Blade, Hydraulic Control System, Full Fuel and Operator.

Standard	17 100 lb (7760 kg)
Long Track	17 820 lb (8080 kg)



Vertical dimensions include 2.11" (54 mm) grouser height.

BLADE

	Standard	Long Track
Blade Capacity , SAE J1265	1.57 yd ³ (1.2 m ³)	1.57 yd ³ (1.2 m ³)
Max. Usable Track Shoe Width	16" (406 mm)	18" offset (457 mm)
Blade Dimensions		
Width over end bits	7'11" (2.41 m)	7'11" (2.41 m)
Height, struts centered	33" (0.84 m)	33" (0.84 m)
Max. lift,		
Straight	3'4" (1.02 m)	3'3" (0.98 m)
Angled	4'1" (1.23 m)	—
Max. drop below ground level	13.3" (0.34 m)	15.3" (0.39 m)
Blade angle, either side	25°	25°
Blade Lift Speed (at rated engine rpm)		
ft/sec (m/sec) average	1.58 (0.48)	1.58 (0.48)
Weight of blade, push arms and cylinders	2280 lb (1036 kg)	2280 lb (1036 kg)

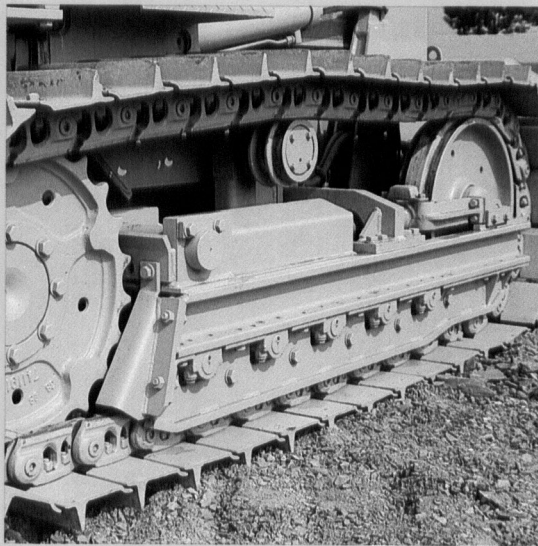
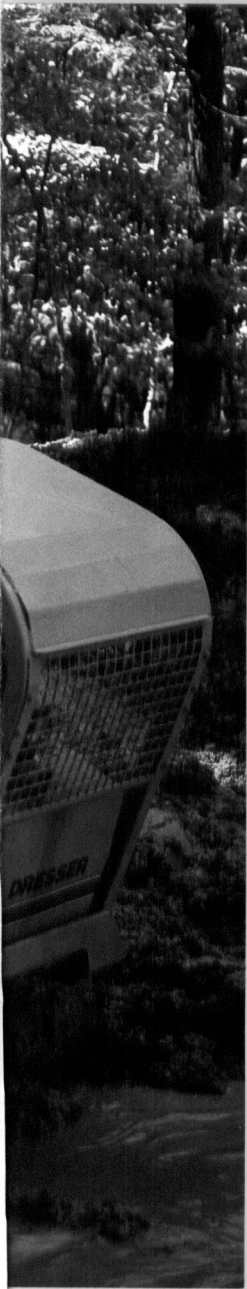
OVERALL DIMENSIONS WITH EQUIPMENT

*Length with blade straight	13'1" (3.99 m)	13'6" (4.12 m)
Length with blade and ripper	14'7" (4.45 m)	15' (4.6 m)
Width, blade angled	7'2" (2.18 m)	7'2" (2.18 m)
Width, blade straight	7'11" (2.41 m)	7'11" (2.41 m)

RIPPER SPECIFICATIONS

Type	Multi-Shank
Tool Beam	
Overall width	4'9" (1.44 m)
Cross section, height and width	6.5" x 6.5" (165 x 165 mm)
Ground clearance under tool beam	
Ripper raised	27.9" (709 mm)
Ripper lowered	1.6" (41 mm)
Shank	
Number of shanks per ripper, max.	5
Spacing center to center	13.5" (343 mm)
Penetration, max.	11.9" (302 mm)
Ground clearance, max. raised	16.6" (422 mm)
Shank positions (vertical)	2
Weight	
Complete, including three shanks	1120 lb (510 kg)
Each additional shank	20 lb (9 kg)

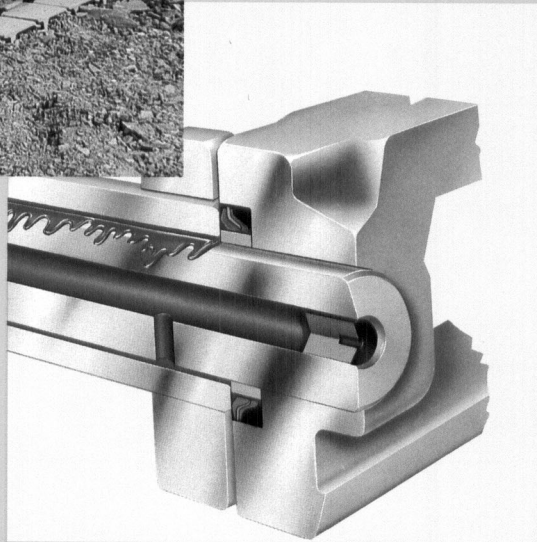




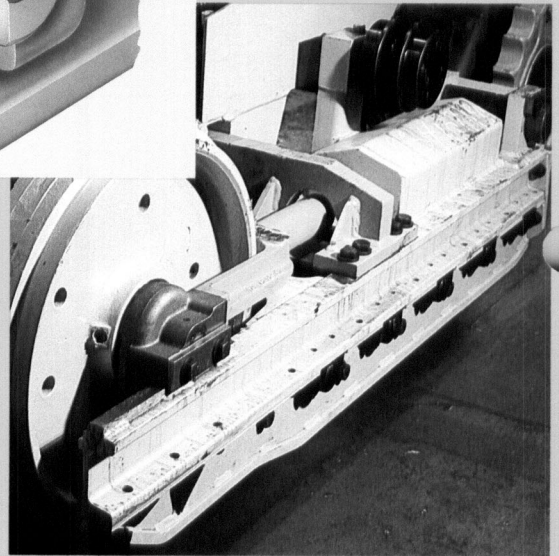
TRACK LINKS are the largest size used in this size class for increased strength and long track life.

SPLIT MASTER LINK* design reduces chain removal and installation time. One piece sprockets can be removed for repairs without disassembling the track frame.

*Optional on Standard Track machines; standard on Long Track, Wide Track and Low Ground Pressure machines.

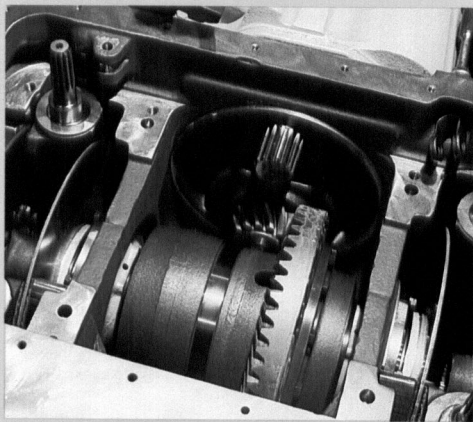


A LUBRICATED TRACK SYSTEM* features a patented seal assembly that keeps pin and bushing surfaces lubricated with oil, virtually eliminating internal pin and bushing wear. The end result: extended track life, quieter running machines and in most applications, lower hourly undercarriage costs.

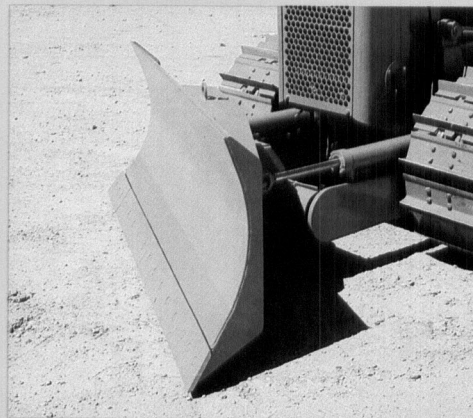


TRACK ROLLERS are induction hardened and lifetime lubricated to stand up to long exposure to abrasive materials. Sealed top idler is bolt adjustable for true horizontal chain alignment.

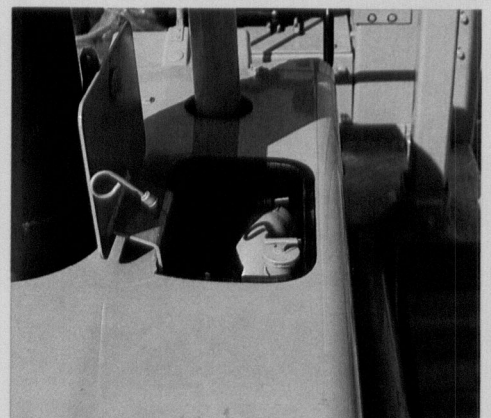
TRACK FRAMES incorporate high strength, specially rolled steel side channels which are welded together to handle the heaviest bending loads.



POWERED STEERING lets the operator make gradual or tight pivot turns with just a few inches of lever travel. Steering levers are close together for one-hand steering with fingertip control.

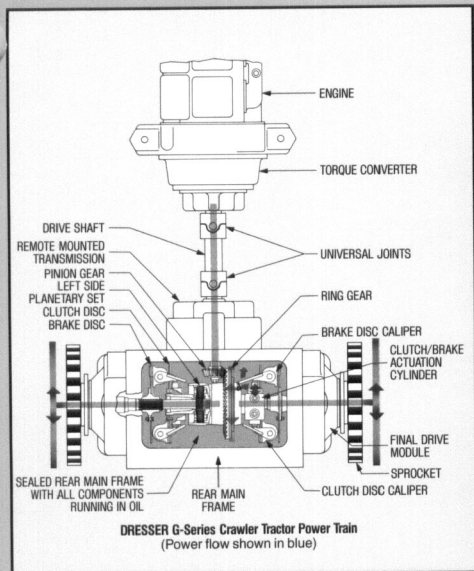


6-WAY BLADE with hydraulic angle and tilt is ideal for cutting ditches, performing slope work, or setting a final grade. Also helps in "stumping" and dislodging stubborn rocks in landclearing. Inside-arm mounting provides compact configuration for close quarter work.

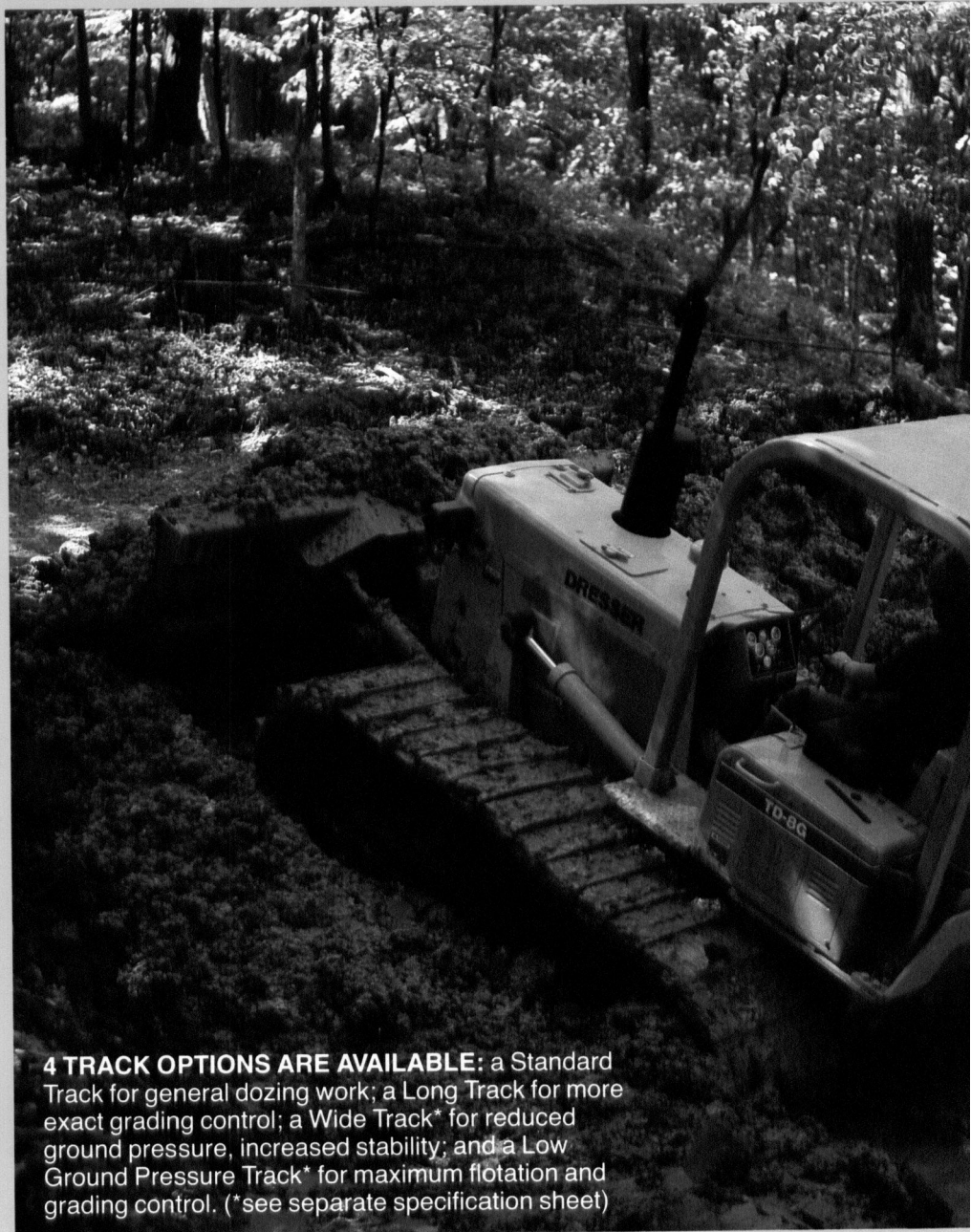


ROUTINE MAINTENANCE and fluid level checks are convenient. Air cleaner; engine oil filter, fill port and dipstick; radiator fill; hydraulic reservoir; fuel tank and strainer—all are easily accessible.

RELIABLE WORKHORSE



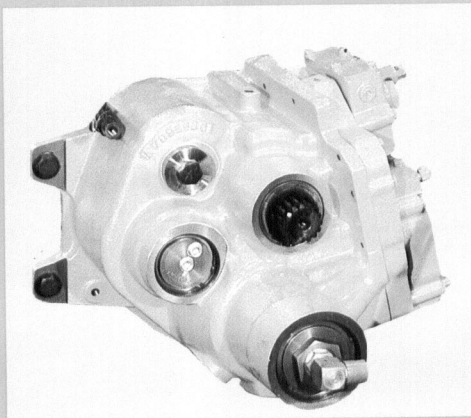
The TD-8G is powered by the tough Dresser D240T engine that has an exceptional weight-to-horsepower ratio for quick response. Single-stage planetary type steering features large diameter single-disc oil-cooled clutches for added reliability. 3-speed powershift transmission and steering system are both hydraulically controlled, providing almost effortless shifting and precise fingertip steering. The torque converter with a 2.2:1 stall ratio, balances the power between track drives and crawler hydraulics for maximum dozing force.



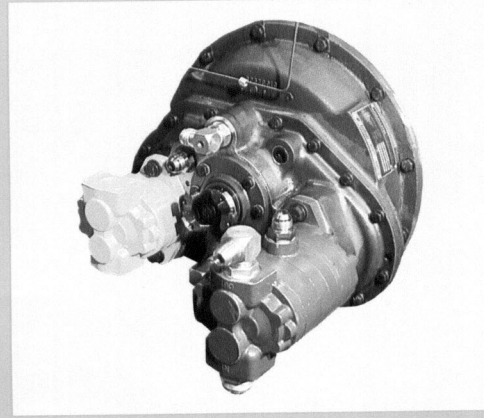
4 TRACK OPTIONS ARE AVAILABLE: a Standard Track for general dozing work; a Long Track for more exact grading control; a Wide Track* for reduced ground pressure, increased stability; and a Low Ground Pressure Track* for maximum flotation and grading control. (*see separate specification sheet)



OPERATOR EFFICIENCY is virtually assured by a functionally designed compartment that features an adjustable seat, conveniently located controls, and strategically grouped gauges. A suspension seat, adjustable to the operator's weight, is optional.



POWERSHIFT TRANSMISSION provides 3 speeds forward, and 3 reverse to match job conditions. Powershift capability allows the operator to shift on-the-go for maximum productivity.



TORQUE CONVERTER transfers power smoothly from the engine to the transmission. Keeps torque up, absorbs shocks and matches track speed to hydraulic power.

DRESSER

TD-8G

Standard & Long Track

HYDRAULIC CONTROL SYSTEM

Pump, tandem gear, driven from torque converter.
 Output @ 2000 psi (13.8 MPa) &
 1977 engine rpm 21.8 gal/min (82.4 L/min)
 Relief valve setting
 blade lift & ripper 2000 psi (13790 KPa)
 tilt 2000 psi (13790 KPa)

Cylinders, bore and stroke (Angle tilt blade)
 Lift (2) 3.5" x 17.7" (89 x 449 mm)
 Angle (2) 3.5" x 13.9" (89 x 352 mm)
 Tilt (1) 3.5" x 5.7" (89 x 144 mm)
 Reservoir with sight gauge, system capacity, right fender
 mounted, includes cylinders & lines 10 gal (38 L)

STANDARD EQUIPMENT

- Air cleaner w/primary & safety element and service indicator
- Antifreeze: -34°F (-37°C)
- Back-up alarm
- Brakes, parking w/lock
- Canopy ROPS (SAE J1040) w/roof extension & seat belt (SAE J386)
- Decelerator, foot operated
- Electrical system w/auto reset circuit breakers
 - Starting 12 volts
 - Alternator 12V/62A
 - Batteries, maintenance free (1)12 volt
 - Horn
- Lighted instrument gauges
- Lights, 2 front, 1 rear
- Fan, blower
- Fuel priming pump
- Guards:
 - Crankcase w/front pull hook
 - Fan
 - Instrument panel
 - Lights
 - Radiator
 - Transmission
- Hitch, retrieval
- Hydraulic Controls
 - 3 single spool valves, 2 levers
- Instrumentation:
 - Air cleaner filter service indicator
 - Engine coolant temp.
 - Engine oil & trans. clutch oil pressure
 - Hour & Voltmeters
 - Torque converter oil temp.
- Muffler
- Radiator, armored core, isolation mounted
- Seat, cushioned, adjustable w/arm rests
- Tool box
- Transmission: counter-shaft powershift, 3 speeds forward and reverse
- Undercarriage
 - Ground pressure 7.0 psi (0.49 kg/cm²)
 - 6.2 psi (0.44 kg/cm²)
 - Lifespan lubricated rollers & idlers
 - Lubricated Track System (LT)
 - Split Master Link (LT)
 - Track adjusters hydraulic
 - Track frame 5 rollers (Std.)
 - 6 rollers (LT)
 - Track chain guides
 - Track shoes 16" (406 mm)

OPTIONAL EQUIPMENT (Approximate change from operating weight)

	lb	(Kg)		lb	(Kg)
• Angle dozer			• Ripper, multi-shank	1120	(510)
- Inside arm w/hyd. tilt & angle	2280	(1036)	• Seat, suspension	110	(50)
(Included in operating weight)			• Service indicator, transmission filter	1	(0.5)
• Counterweight, front idler	598	(271)	• Tracks		
• Electrical			- Lubricated Track System		
- Batteries (2), cold start	25	(11)	w/Master Link (STD)	0	(0)
• Engine enclosures, perforated			Standard		
- Hood & Side doors	- 18	(- 8) ¹	Width		
• Ether starting aid	2.5	(1.1)	Ground Pressure		
• Exhaust extension, for sweeps	46	(22) ¹	16" (406 mm)* 7.1 psi (0.50 kg/cm ²)	- 32	(- 15)
• Fan, reversible	5	(2.3)	18" (457 mm)** 6.3 psi (0.44 kg/cm ²)	168	(76)
• Guards			Long Track		
- Fuel tank bottom	18	(8) ¹	16" (406 mm)* 6.4 psi (0.45 kg/cm ²)	- 36	(- 16)
- Radiator, heavy duty	27	(12) ¹	18" (457 mm)** 5.6 psi (0.40 kg/cm ²)	187	(85)
- Screen, rear	38	(17) ¹	*w/mud relief ** offset		
- Sprocket rock deflector & track roller guards	351	(160)	• Vandalism protection	10	(4.5) ¹
- Sweeps, front	161	(73) ¹	¹ Recommended forestry equipment.		

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

POWER MOTIVE CORPORATION

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