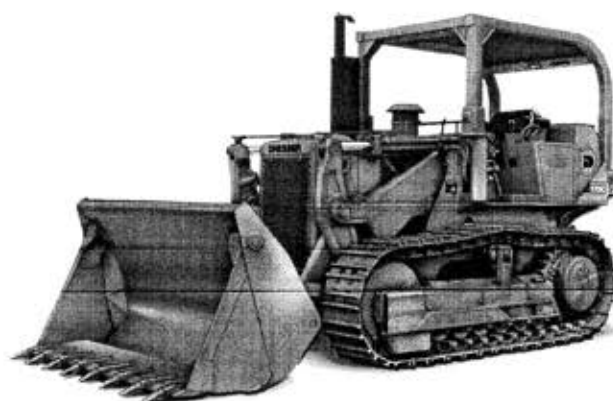


DRESSER 175C Crawler Loader

- Massive integral loader frame
- Efficient dual Z-bar linkage
- Job proven reliability
- Oil cooled power steering—foot pedal control



ENGINE

Make and Model	KDC 610T
Type	4-cycle diesel, turbocharged, direct start, direct injection
*Flywheel power @ 2500 rated rpm	140 hp (104 kW)
Maximum torque @ 1600 rpm	394 lb ft (534 N·m)
No. of cylinders	6
Displacement	359 in ³ (5.9 L)
Bore and Stroke	4.02" x 4.72" (102 x 120 mm)
Lubrication, full flow filtering	full pressure
Number of main bearings	7

Electrical system 24V

Air cleaner dry type with primary and safety element, dust ejector and service indicator

*Flywheel power—output of standard engine complete with fan, air cleaner, alternator, water pump, lubricating oil pump and fuel pump under SAE standard temperature and barometric conditions of 29.38" Hg and 85°F (99.2 kPa and 29.4°C). No deration required up to 10 000' (3048 m) altitude.

TRANSMISSION & TORQUE CONVERTER

Countershaft type power shift, hydraulically controlled and actuated. Single stage 12" (305 mm) torque converter with a 3.33:1 stall ratio drives to transmission through a double universal joint.

TRAVEL SPEEDS

Manual Hi/Lo gear selections with two power shifted speed ranges in forward and reverse provide 4 speeds in each direction.

Gear	Forward		Reverse	
	mph	(km/h)	mph	(km/h)
1	2.3	(3.7)	2.8	(4.5)
2	3.0	(4.8)	3.6	(5.8)
3	4.5	(7.2)	5.4	(8.7)
4	5.9	(9.5)	7.0	(11.3)

Power shifted gears are first to third and second to fourth.

STEERING & BRAKING

Single stage planetary and wet multiple disc brakes for feathered or pivot turns; controlled by foot pedal for each track, with hydraulic boosted assist. Center foot pedal applies decelerator and both multiple disc brakes for parking or down-hill speed control.

FINAL DRIVES

Double reduction with planetary finals provides greatest gear reduction at the working end of the power train. Ring-type sprocket, replaceable without removing track frame.

TRACK FRAME

All-welded heavy channel section	
Track rollers each side	6
Top idlers each side	1
Front idlers (drum type) each side	1
All rollers and idlers	lifespan lubricated

TRACKS

Width of standard shoe	16" (406 mm)
Pitch of struted track link	7.5" (190 mm)
Height of grouser	1.38" (35 mm)
Track shoes (each side)	37
Track on ground	7'5" (2.26 m)
Ground contact area	2851 in ² (1.8 m ²)
Ground pressure	10.9 psi (0.77 kg/cm ²)
Ground clearance	18.8" (476 mm)
Track adjustment	full hydraulic
Gauge	5'6" (1.68 m)
Width to outside of tracks	6'10" (2.08 m)

CAPACITIES

	US gal	(Liter)
Fuel tank	80	(303)
Cooling system	10	(38)
Engine lubrication, incl. filters	4.3	(16)
Transmission & rear frame	35	(132)
Sprocket drive, each side	5.5	(21)
Hydraulic system	24	(91)

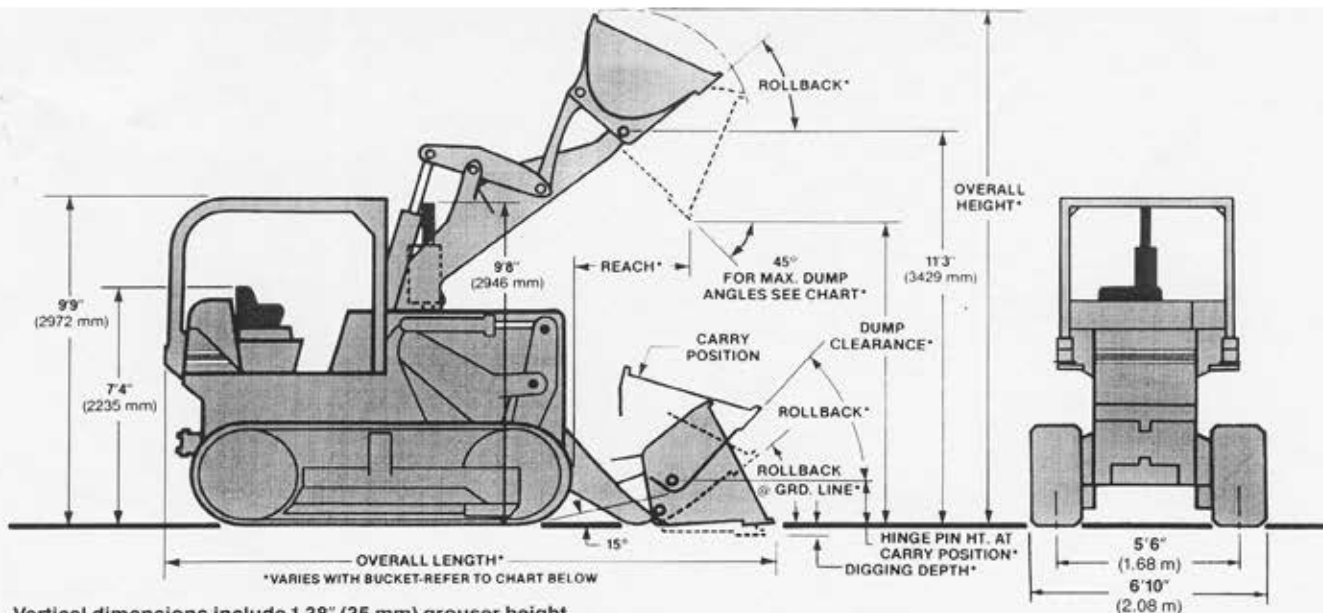
HYDRAULIC SYSTEM (closed type)

Pump, gear type, torque converter mounted and engine driven, 56 gal/min @ 1000 psi (212 L/min @ 6.89 MPa) and 1910 rpm. Relief valve pressure setting 1900 psi (13.1 MPa). Control valve (Stacked valves and spool with individual control handles.)

Lift control	Raise, hold, lower, float
Tilt control	Rollback, hold, dump
Clam control	Close, hold, open
Rear control	Raise, hold, lower

Cylinders, double-acting type	Bore x Stroke
Lift cylinders	5.5" x 30.75" (140 x 781 mm)
Tilt cylinders	4.5" x 20.1" (114 x 511 mm)

Time cycles, seconds	
Raise	7.1
Dump	1.1
Lower (float)	7.8
Total	16.0



Vertical dimensions include 1.38" (35 mm) grouser height.

	BUCKET TYPE		
	General Purpose	General Purpose	Multi-Purpose
Rated Capacity	2.0 yd ³ (1.52 m ³)	2.25 yd ³ (1.72 m ³)	2.0 yd ³ (1.52 m ³)
Struck Capacity	1.72 yd ³ (1.32 m ³)	1.93 yd ³ (1.48 m ³)	1.72 yd ³ (1.32 m ³)
Cutting Edge, Type	Straight	Straight	Straight
Width	86.25" (2.19 m)	86.25" (2.19 m)	86.25" (2.19 m)
Teeth (Optional)	8, Bolt-on with replaceable tips	8, Bolt-on with replaceable tips	8, Bolt-on with replaceable tips
Dump Clearance @ Full Lift and 45° Dump Angle	8'11" (2.72 m)	8'11" (2.72 m)	8'8" (2.64 m)
Reach @ 45° Dump Angle and 7' (2.13 m) Clearance	4'10" (1.47 m)	4'10" (1.47 m)	5'2" (1.58 m)
Reach @ Full Lift and 45° Dump Angle	3'9" (1.14 m)	3'9" (1.14 m)	4'2" (1.27 m)
Digging Depth	3.7" (94 mm)	3.7" (94 mm)	8" (203 mm)
Bucket Rollback @ Ground Line	41°	41°	45.5°
Hinge Pin Height @ Carry Position	15.9" (404 mm)	15.9" (404 mm)	16.5" (419 mm)
Bucket Rollback @ Carry Position	50°	50°	51°
Bucket Dump Angle @ Full Raise	51°	51°	50°
Bucket Rollback @ Full Raise	52°	52°	56.5°
Overall Length w/Standard Teeth	16'8" (5.08 m)	16'8" (5.08 m)	17'3" (5.26 m)
Overall Height	15' (4.57 m)	15'8" (4.78 m)	17'11" (5.46 m)
Static Tipping Load	23 595 lb (10 700 kg)	23 320 lb (10 580 kg)	*21 275 lb (9650 kg)
† Digging or Breakout Force	24 795 lb (110 kN)	24 620 lb (110 kN)	21 460 lb (9735 kN)
* Operating Weight w/ROPS	31 115 lb (14 115 kg)	31 225 lb (14 165 kg)	32 400 lb (14 700 kg)

*CTWT Recommended		Machine stability can be affected by the addition of other attachments. Add the following to the machine operating weight and static tipping load, if equipped.	
† Measured 4" (102 mm) behind tip of cutting edge with bucket hinge pin as pivot point.		Attachment	Change in Operating Weight
* Includes coolant, lubricants, full fuel tank, bucket, ROPS and 176 lb (80 kg) operator.		Counterweight	1500 lb (680 kg)
		Ripper	3102 lb (1407 kg)

RIPPER SPECIFICATIONS

Type	Multi-Shank
Tool Beam	
Overall width	73.6" (1869 mm)
Cross section, height and width	9" x 10" (229 x 254 mm)
Ground clearance under tool beam	
Ripper raised	39.9" (1013 mm)
Ripper lowered	3.9" (99 mm)
Shank	
Number of shanks per ripper, max	5
Spacing center to center	16.5" (419 mm)
Penetration, max.	16.9" (429 mm)
Ground clearance, max. raised	19.4" (493 mm)
Shank positions (vertical)	2
Weight	
Complete, including one shank	2910 lb (1320 kg)
Each additional shank	120 lb (60 kg)

