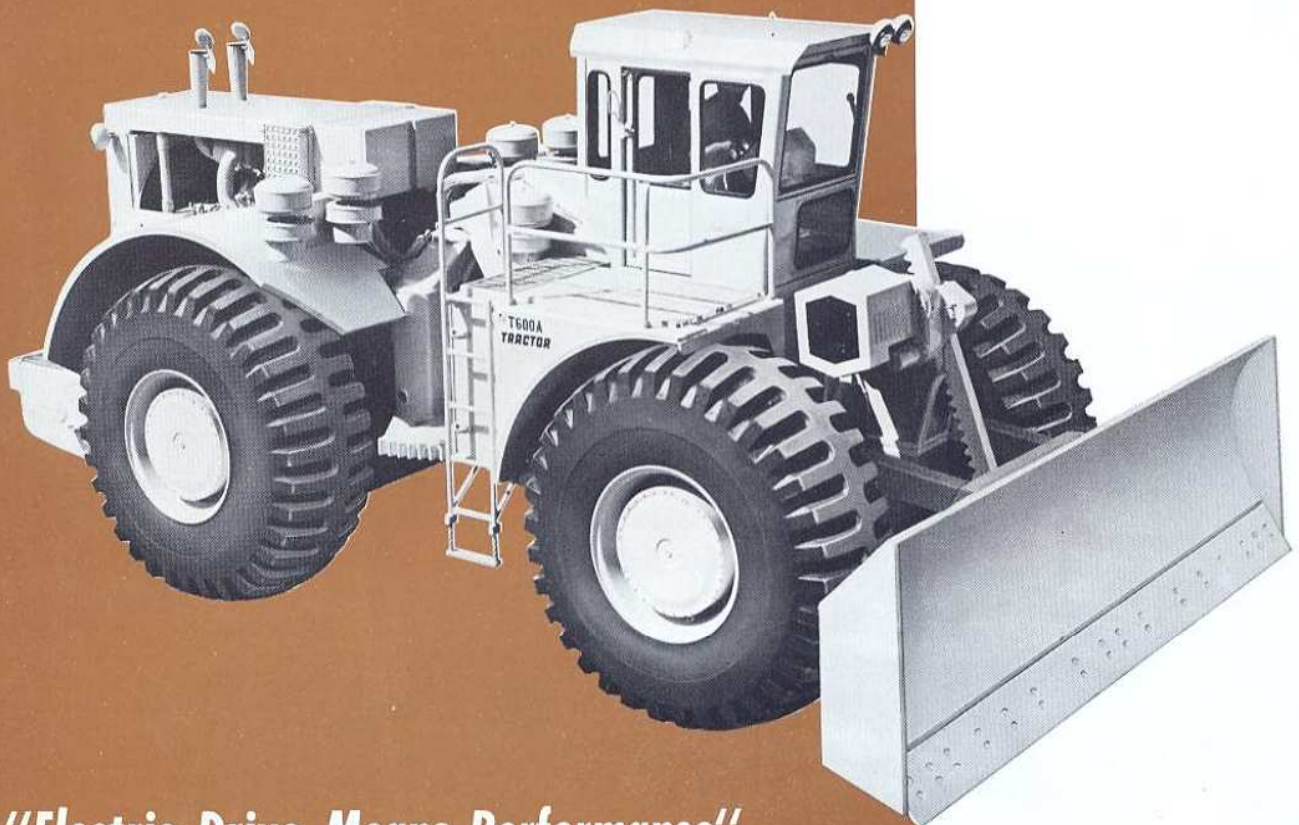
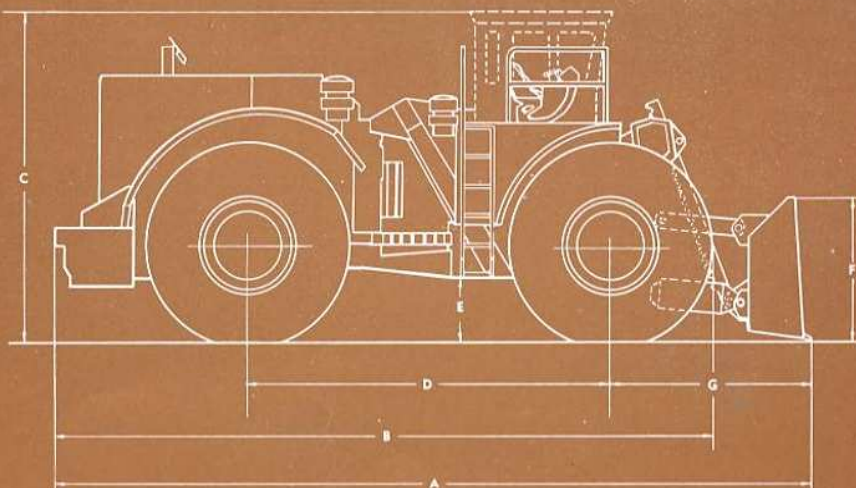


# LETOURNEAU Model T-600-A ELECTRIC DRIVE TRACTOR



*"Electric Drive Means Performance"*



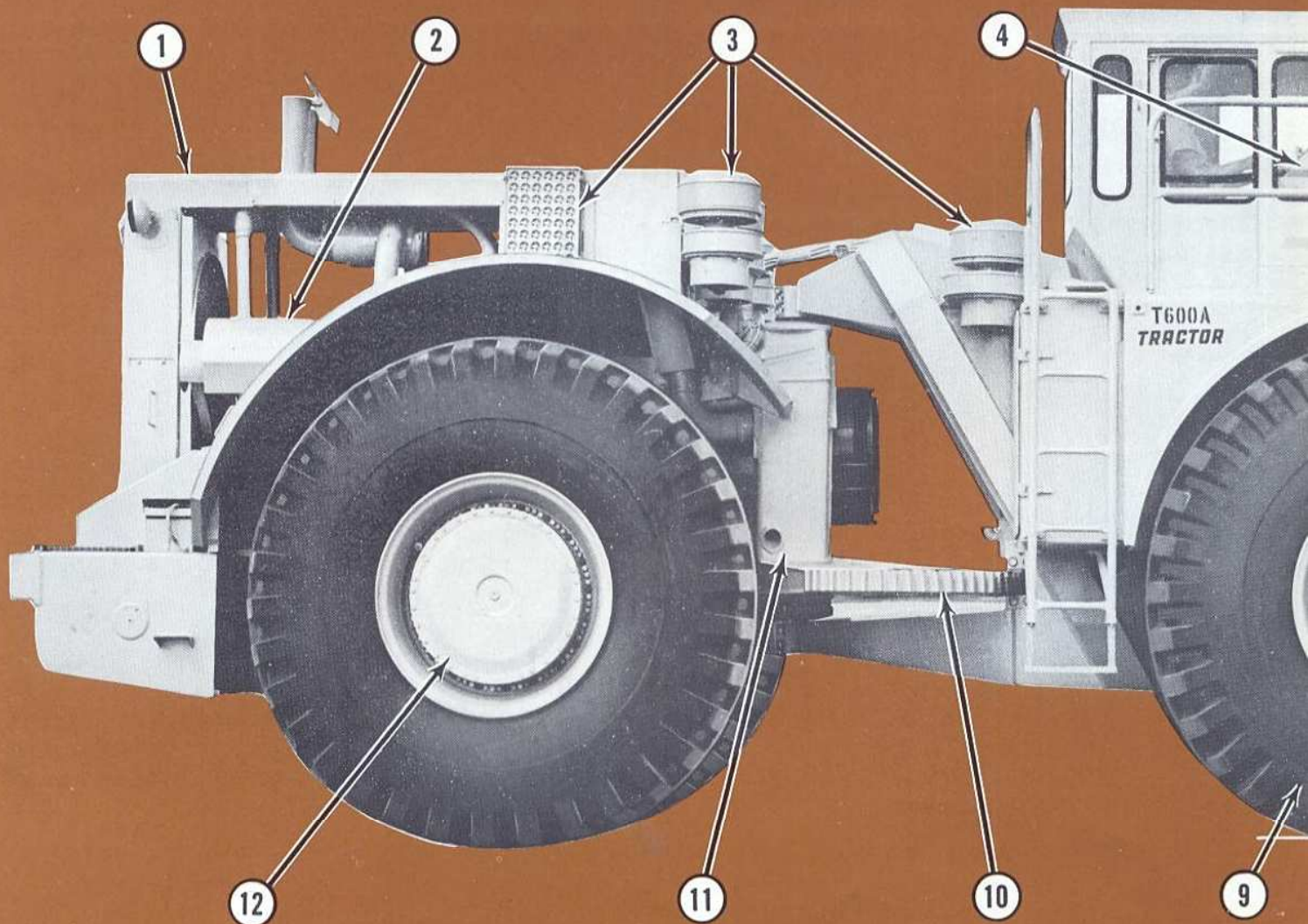
Model	A	B	C	D	E	F	G
T-600A	33'2"	26'10"	13'4"	14'2"	18"	5'0"	8'0"
	10.11M	8.18M	4.06M	4.32M	46 cm	1.52M	2.44M

# LeTOURNEAU Model T-600-A ELECTRIC DRIVE TRACTOR

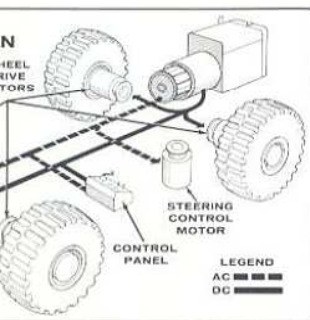
The first real challenger in the large wheel tractor dozer field.

Heavy duty LeT  
engine supplies  
wheel drive mot  
pitch motors and  
operation are la

POV  
DISTR  
BLADE HOIST  
MOTOR



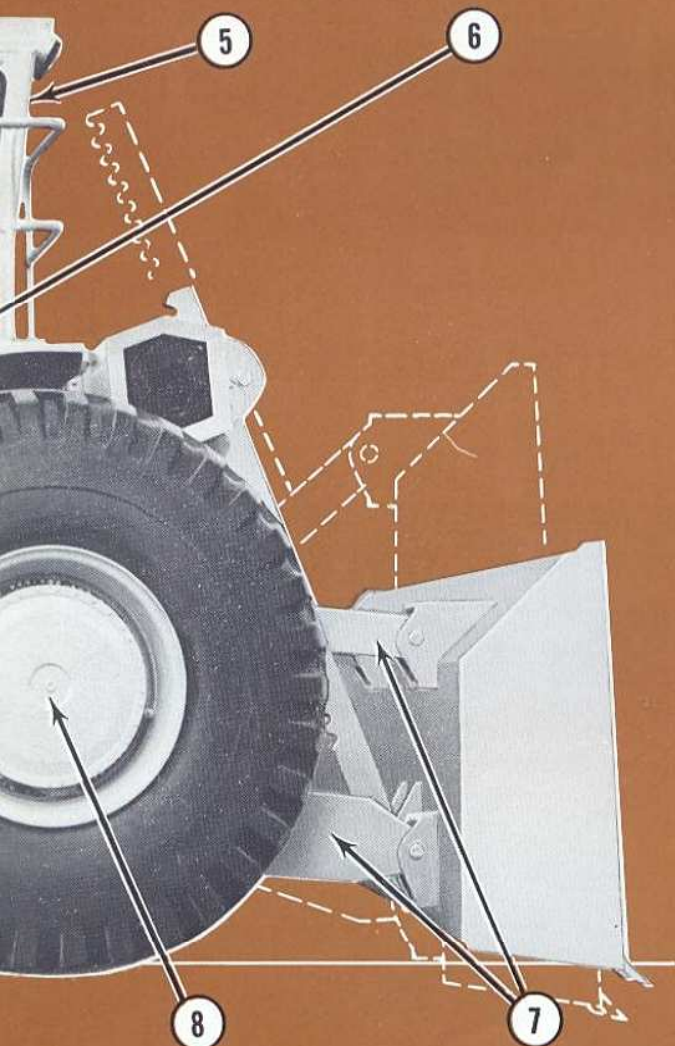
D.C. generator directly connected to the main D.C. generator provides available power to the four powerful D.C. motors. Power is provided for blade lift, tilt and steering control motor. All controls for the operator are located in the control panel for ease of operation.



### RIMPULL CHART

M.P.H.	Rimpull
1	148,000 lbs.
2	74,000 lbs.
3	49,500 lbs.
4	37,000 lbs.
5	29,800 lbs.
6	24,800 lbs.
7	21,200 lbs.
8	18,500 lbs.
9	16,500 lbs.
10	14,800 lbs.
11	13,500 lbs.

Maximum pull will depend on traction, rolling resistance, and weight of fully equipped tractor.



**1. OVERALL DESIGN FEATURES:** Rugged 2 piece articulated main frame with oscillating axle for uneven terrain. Tractor is engineered for heavy dozer and pusher applications. Module design provides accessibility to major components for normal servicing and ease of maintenance.

**2. ENGINE:** Diesel engine directly coupled to the main D.C. generator provides a constant R.P.M. Constant engine power provides controllable "work power" through electric drive.

**3. SERVICE ACCESSIBILITY:** Oil, filters, fuel oil filters, batteries and air cleaners are all located for quick and easy changes. Generator and motors are readily accessible for fast inspection and/or servicing.

**4. CONTROLS:** All operating controls are centrally located for ease of operation. A hand operated rheostat type control governs the forward and reverse speeds including power and braking. The operator performs instant steering and dozer blade functions through the use of finger tip controls. These controls, along with the tractor design features, result in faster, safer operations for increased production.

**5. OPERATOR COMFORT:** Roomy operator's compartment is equipped with comfortable adjustable seat. Control panel and operator's seat can revolve as a unit enabling them to be positioned for the best operating efficiency. Roomy, all-weather cab supplied as an option provides excellent visibility. Heaters, defrosters, air-conditioning are available options.

**6. EFFICIENCY:** Electric drive and controls utilize engine power most effectively. The electric drive tractor provides infinite speeds in its entire operating range in either forward or reverse travel direction. Operations are unaffected by climatic changes and give the same degree of efficiency through their life span. LeTourneau Electric Drive means performance.

**7. PARALLEL LIFT ARMS:** An exclusive LeTourneau feature. Dozer blades or push block is mounted to parallel lift arms which are mounted inside the front wheels. This arrangement allows blade or push block to maintain proper operating position at all times.

**8. BRAKES:** Regenerative braking with no wearing parts provides positive brake control. Multiple disc brakes stop and hold automatically for emergency brake control.

**9. TIRES:** Wide base low pressure tires provide maximum traction under a wide range of operating conditions.

**10. POWER STEERING:** Fully articulated steering is provided by electric power through a gear and quadrant arrangement. Steering angle of 45° enables the tractor to turn in a radius of 25 feet.

**11. MAINTENANCE:** Elimination of torque converter, transmission, universal joints and normal power train systems, reduces maintenance costs. Electro-dynamic (regenerative) braking is a feature of the LeTourneau electric drive. It provides braking without mechanical wear further reducing maintenance costs. Accessibility and standardization of components reduces repair time.

**12. BALANCED TRACTION:** Electric drive provides compensating torque to the drive wheels resulting in balanced traction under a wide range of operating conditions, reducing wheel spin and increasing tire life.

# LeTOURNEAU Model T-600-A ELECTRIC DRIVE TRACTOR SPECIFICATIONS



R. G. LeTOURNEAU, INC.  
LONGVIEW, TEXAS 75601  
PHONE: A-C 214 - 753-4411  
CABLE: BOBLETORNO

## ENGINE:

Make	Detroit Diesel, Model 16V-71N
Maximum Horsepower	635, @ Governed 2100 RPM
Bore and Stroke	4 - 1/4" x 5" (10.8 cm x 12.7 cm)
Number of Cylinders	16; Displacement, 1136 cu. ins. (18.6 liters)
Fuel Tank Capacity	400 Gal. (1,514 liters)
Crankcase Capacity	82 Qt. (78 liters)
Starting System	24 volts
Fuel, Oil, and Air Filters	2 each
Engine Driven Accessories	Excitation Generator

**POWER SYSTEM:** (Electric) DC and AC Generators direct coupled to engine to provide DC power to wheel motors and AC power to operate controls.

**FINAL DRIVE:** (Electro-Mechanical) Four-wheel Electric Drive. Each Electric Wheel is a powered wheel assembly complete with a DC Motor and Driver Unit, rim assembly, and a high-flotation, wide-base tire.

**TRAVEL SPEED:** (Variable Control) Forward and Reverse 0-10 MPH (0-16 KmPH).

**CONTROL:** Hand operated rheostat-type governs speed, power, and braking.

**STEERING:** (Articulated) Control-AC Electric Motor through gear reduction and quadrant.

Steering Angle	45°
Turning radius	25' 0" ( 7.62 M)
Width required for 180° non-stop turn	49' 0" (14.94 M)

**BRAKES:** (Electro-dynamic) Multiple Disc-type parking and emergency.

**TIRES:** Standard—98" OD x 40" Wide 36 PLR (249 cm x 102 cm)  
LeTourneau Non-directional

Optional—33.5 x 39-40 PLR (85 cm x 99 cm) Rock Lug  
37.5 x 39-40 PLR (95 cm x 99 cm) Rock Lug

**OPTIONAL EQUIPMENT:** Straight Blade, U-Blade, Coal Blade, Pitch and Tilt Controls, Push Block, Root Rake, Operator's Cab with heavy duty windshield wipers and radio, Floodlights, electric heater-defroster kit, and cold weather starting equipment. Consult Factory for special attachments.

GENERAL DATA	U. S.	METRIC
A—Overall Length with Blade	33'2"	(10.11M)
Overall Length with Push Block	29'6"	(8.99M)
B—Overall Length Less Blade	26'10"	(8.18M)
C—Overall Height (Cab)	13'4"	(4.06M)
Overall Width (Blade)	16'0"	(4.89M)
Overall Width (Tires)	12'2"	(3.71M)
D—Wheelbase	14'2"	(4.32M)
Ground Clearance		
Under Front Axle	23"	(58 cm)
Under Rear Axle	18"	(46 cm)
Under Frame	26"	(66 cm)
Fuel Capacity	400 Gal.	(1,514 liters)
Shipping Weight	123,000 lbs.	(55,793 Kg)
Weight (w/hydroflation)	136,000 lbs.	(61,690 Kg)
Straight Blade:		
Overall Width	16'0"	(4.89M)
F—Overall Height	5'0"	(1.52M)
Digging Depth	18"	(46 cm)
Maximum Clearance under cutting edge	4'0"	(1.22M)
Tilt Adjustment (per side)	8"	(20 cm)
Pitch Adjustment (total angle)	30°	
G—Wheel Center to Blade	8'0"	(2.44M)
Push Block:		
Overall Width	6'0"	(1.83M)
Overall Height	3'2"	(.96M)