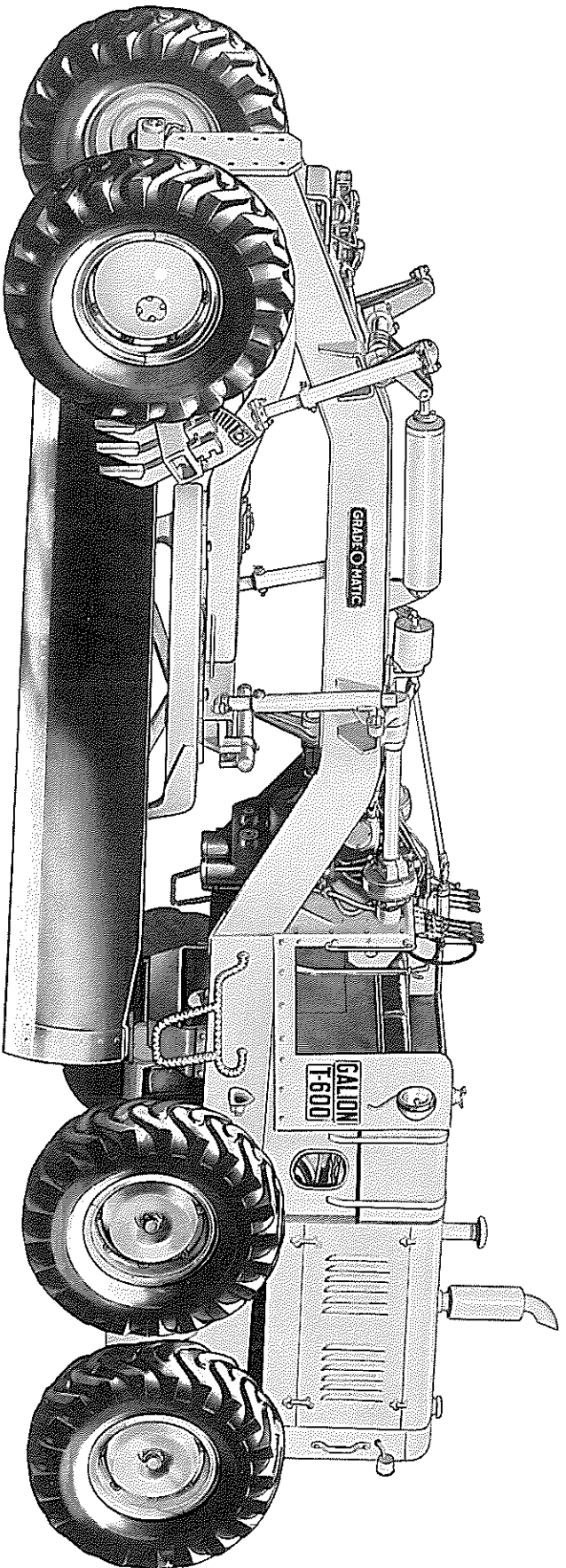




GALION T-600 Motor Grader



**MILES
AHEAD**



Equipped with torque converter, tail-shaft governor and power-shift transmission. Has most "push-power" at the blade of any grader in its class. Same large size tires, front and rear, for maximum traction.

SPECIFICATIONS — GALLION MODEL T-600 GRADE-O-MATIC MOTOR GRADER with power-shift transmission

WEIGHTS—without scarifier

Weight (Approx.)	28,000 lbs.
Weight carried by front wheels	8,000 lbs.
Weight carried by rear wheels	20,000 lbs.

DIMENSIONS

Length overall	26'8"
Width overall	94½"
Height overall, with cab	127"
Height overall, without cab	92½"
Wheelbase	19'7"
Tread, front (center to center of tires)	19"
Tread, rear (center to center of tires)	18"
Distance between center of tandem wheels	60"
Turning Radius	40'

FINAL DRIVE—Built by GALLION

Type Spiral bevel and spur gear

SPEEDS—Variable by Governor Control—Governor is driven from tailshaft of Torque Converter

Miles per Hr.
(Approx.)

1st Forward	0.8-3.6
2nd Forward	2.0-7.0
3rd Forward	3.5-12.0
4th Forward	5.5-19.0
1st Reverse	0.8-3.6
2nd Reverse	2.0-7.0
3rd Reverse	3.5-12.0
4th Reverse	5.5-19.0

CONTROLS

Type Full Hydraulic—Variable Speeds
Method Positive hand levers in cab

BLADE ASSEMBLY (Hydraulic Shiftable Moldboard available)

Blade (Moldboard)	12"x29"x7½"
Cutting Edge Thickness	5/8"
Cutting Edge Bolts	3/4"
Blade Base	98"

BLADE RANGE

Lift above ground (maximum)	18½"
Lift adjustment (minimum)	¼"
Pitch positions, number for tilting blade	8
Reach outside rear tires	72"
Bank cutting angle	90°

CIRCLE

Diameter	60½"
Special structural steel section	43.8 lbs. per ft.
Circle Knees	6"x1¼"
Circle center to front axle, distance	92"
Circle reversing control	Hydraulic
Circle reverse (full turn)	360°
Wearing Shoes	Adjustable

DRAWBAR

Main Member	6"x6"
Cross Member	6"x6"
Draft connection	Forged ball and socket with shims

LIFT MECHANISM

Type	Hydraulic Cylinders
Lifting speed, per second (approx.)	1 to 3"
Shaft diameter	3¼"
Bearings (renewable)	Bronze
Lifting crank material	Steel Forgings
Hang Rods, O.D. x I.D.	2⅞"x2¼"
Hang Rod construction	Telescopic
Adjustment for wear	Split bearings and shims
Connecting links for arm and circle crossbar	Ball and Socket

FRAME

Section, welded unit	11"x11½"
Weight, per foot—average	180 lbs.
Clearance, above ground	60"

OPERATOR'S PLATFORM

Size	25"x54"
Height, above ground	51"

AXLE, FRONT

Material (solid bar construction)	Welded steel sections
Spindle Bearings	Tapered Roller
Spindle material (heat treated)	Steel Forging
Spindle diameter at bearings	3⅞" and 2½"
Type, Leaning Wheel	80" tread
Ground Clearance	22"

STEERING

Type (combination manual and power) Manually operated with hydraulic booster

AXLE, REAR

Type—full floating, 2-piece	Axle drives only, carries no weight
Construction	Rigid Type
Diameter, at bearings	3½"
Material	Alloy steel, heat-treated
Bearings	Ball

TANDEM DRIVE

Section, welded unit, oil-tight housing	22½"x8"
Wall thickness	3/4"
Drive chain, roller pitch	2"

WHEELS, FRONT

Bearings, type	Tapered roller
Hubs	Dustproof caps
Tires, pneumatic, low pressure, tubeless (larger sizes available)	14.00 x 24, 10 ply
Tire rims (demountable)	10" Semi-drop center

WHEELS, REAR

Bearings	Tapered roller
Tires, pneumatic, low pressure, tubeless (larger sizes available)	14.00 x 24, 10 ply
Tire rims (demountable)	10" Semi-drop center
Brakes	Hydraulic with Power Booster four-wheel service brakes and transmission parking brake

ENGINE—Cummins C-175-C1 Diesel

(4 cycle) with Turbocharger	
Number of cylinders	6
Bore and Stroke, inches	4⅞ x 5
Horsepower at rated R.P.M.	160

FUEL TANK

Capacity, U.S. gallons	75
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TORQUE CONVERTER and TRANSMISSION

Torque multiplication ratio	3 to 1
Transmission—Constant Mesh	Hydraulic Power Shift
Shifting can be done under full load	

SCARIFIER, V-Type

Weight	1,500 lbs.
Block material	Steel channels
Block length	50"
Swath width	46"
Pitch adjustments	8
Teeth, number and size	11-3" x 1"
Teeth spacing (center to center)	Replaceable Points
Hang Rods, diameter	2⅞" x 2¼"
Drawbar, size	7" x 1¼"
Center tooth to front axle, distance	29"
Minimum Pressure	10,100 lbs.
Lifting Mechanism	Hydraulic

THE GALLION IRON WORKS & MFG. COMPANY

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