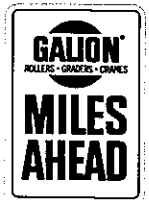
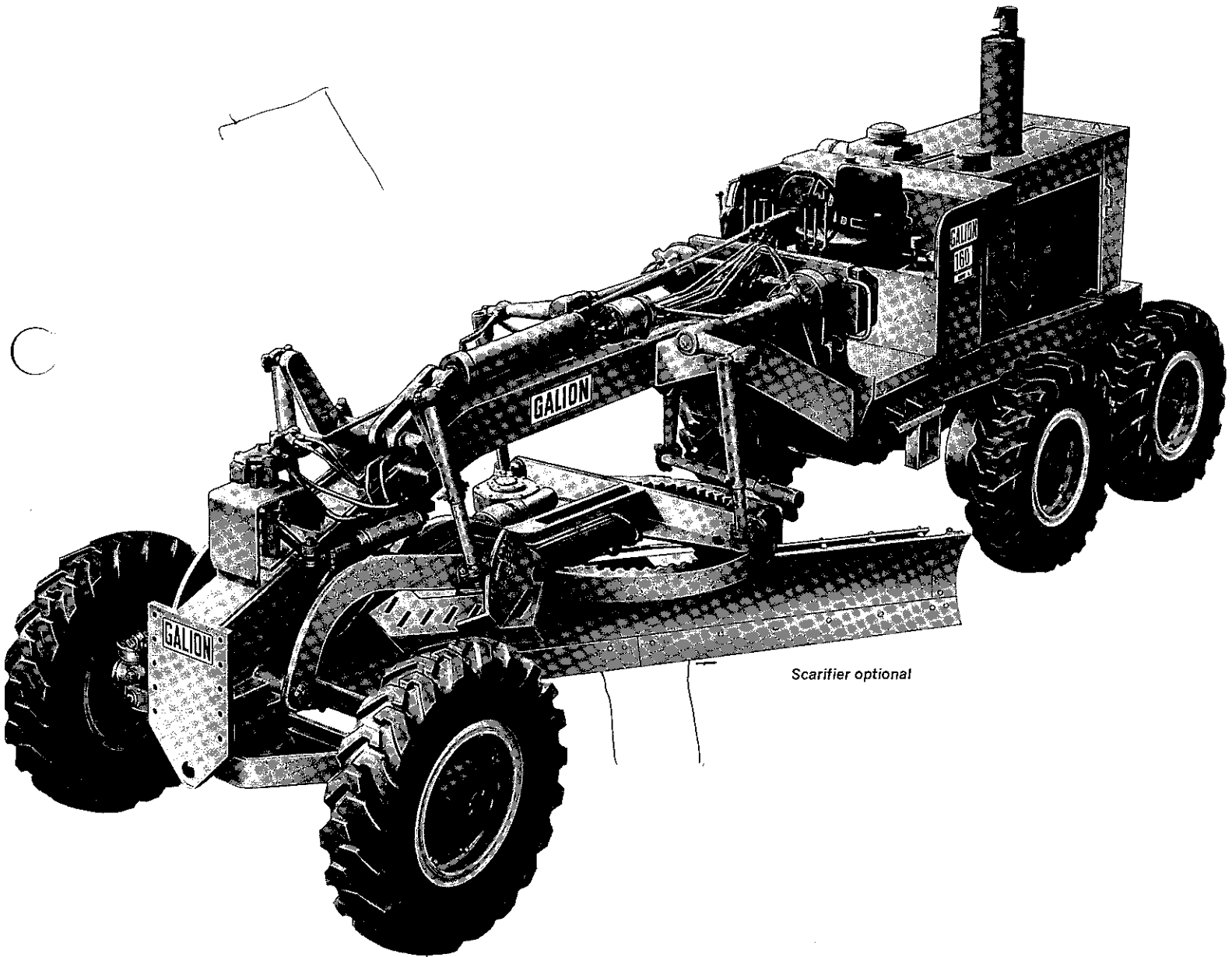


The Galion 160 series L motor grader



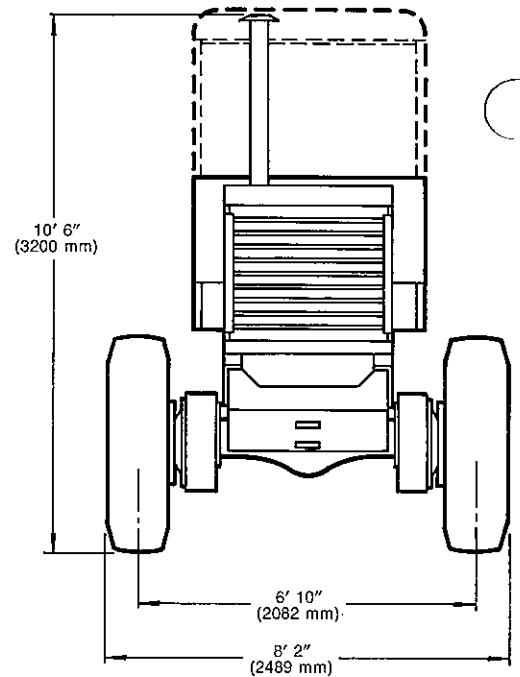
*29,000-lb. model . . . 190 or 160 hp . . . with
oil-cooled clutch and constant mesh
6-speed forward and reverse transmission*



Scarifier optional



The Galion 160 series L motor grader specifications



Standard Equipment Features: 12-volt electrical system, alternator, horn, dry type air cleaner, 17" radius hydraulic shiftable moldboard with replaceable end bits, 4-wheel hydraulic self-adjusting brakes, rain cap, electric hourmeter, accelerator, upholstered adjustable bucket seat and backrest.

Weights—without scarifier (approx.)

Total 29,000 lbs. (13154 kgs.)
 On front wheels 8,100 lbs. (3674 kgs.)
 On rear wheels 20,900 lbs. (9480 kgs.)

Speeds—variable by governor control. (Same forward & reverse)

	APPROX. M.P.H.	APPROX. KM.P.H.
1st Gear7 - 2.2	(1,1- 3,5)
2nd Gear	1.2 - 3.8	(1,9- 6,1)
3rd Gear	2.1 - 6.2	(3,3- 9,9)
4th Gear	2.75- 8.0	(4,4-12,8)
5th Gear	4.56-13.2	(7,3-21,2)
6th Gear	8.0 -23.0	(12,8-37,0)

Controls

Type Full hydraulic—variable speed
 Method Positive hand levers in cab

Blade Assembly

Type Hydraulic power-shift
 Moldboard, high carbon steel
 12' x 27" x 7/8" . . . (3658 mm x 685 mm x 22,2 mm)
 Cutting edge thickness . . . 5/8" (15,9 mm)
 Cutting edge bolts 5/8" (15,9 mm)
 Blade base 98" (2489 mm)

Blade Range

Lift above ground (max.) 17 1/2" (445 mm)
 Pitch positions, number for tilting blade 8
 Reach outside rear tires 91" (2311 mm)
 Bank cutting angle 90°

Circle

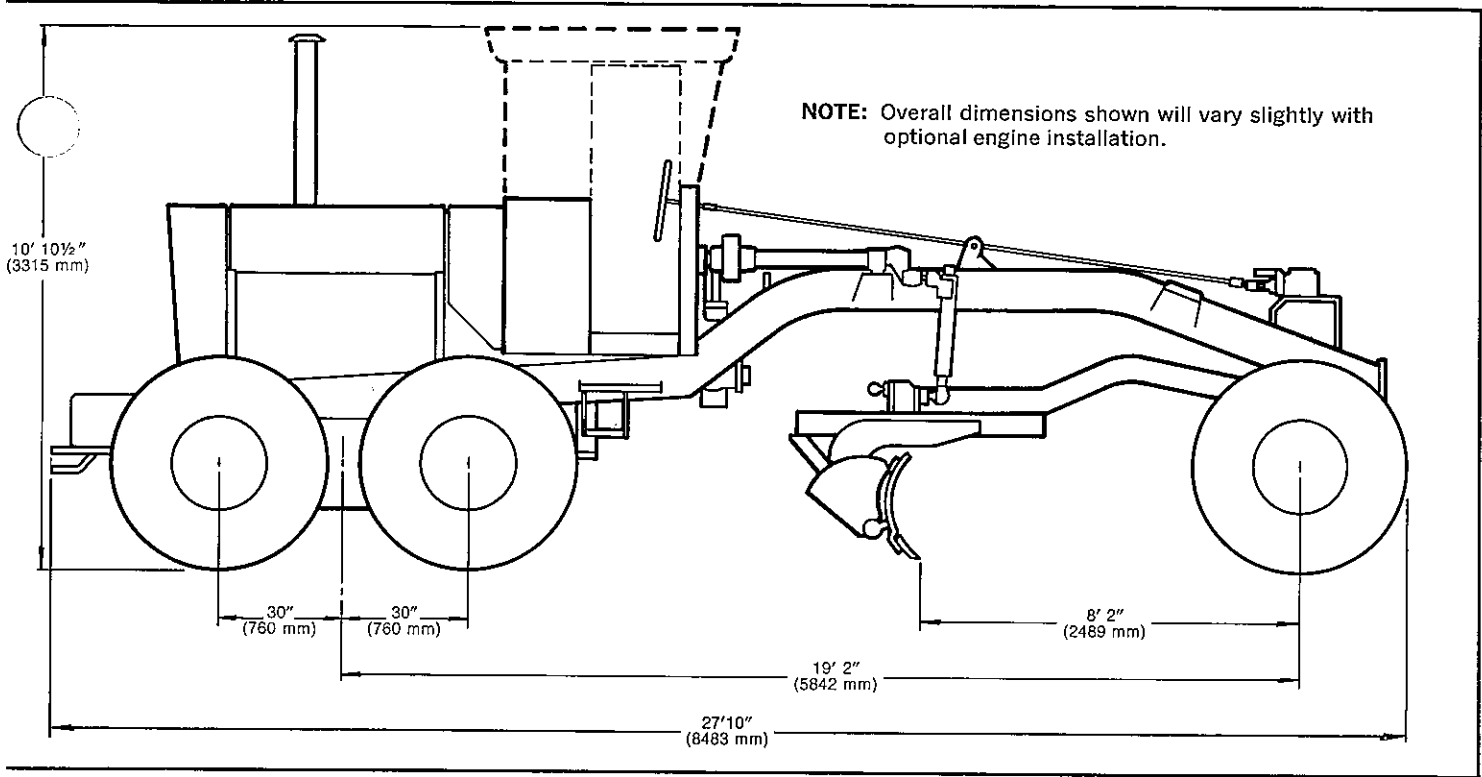
Diameter 60 1/2" (1537 mm)
 Material Flame-hardened structural steel section
 Circle reversing control Hydraulic
 Circle reverse (full turn) 360°

Lift Mechanism

Type Hydraulic cylinders
 Lifting speed, per second
 (variable) 1" to 3" (25,4 mm to 76,4 mm)

Frame

Section,
 welded unit 11 "x 11 1/2" (279,4 mm x 292 mm)
 Weight, per foot—
 average 203 lbs. (92 kgs.)
 Minimum section modulus
 (between blade lift and
 scarifier mount 92.5"³ (2349 mm³)



Operator's Platform

Size 25" x 55" (635 mm x 1370 mm)
 Height, above ground 51" (1295,4 mm)

Axle, Front

Type Leaning wheel
 Material (solid bar construction) Welded steel sections
 Pivot pin bearings Tapered roller
 Spindle material (heat treated) Steel forging
 Spindle diameter at bearings 3 3/8" and 2 1/8" . . (85,8 mm and 54,1 mm)
 Ground clearance 22" (558,8 mm)

Steering

Type (combination manual and power) Manually operated with hydraulic booster
 Turning radius 36' (10973 mm)

Axle, Rear

Type Full floating, 2-piece
 Material Alloy steel, heat treated
 Differential, fixed Spiral bevel gears

Tandem Drive

Section, welded unit, oil-tight housing 23 1/2" x 8 1/4" (597 mm x 210 mm)
 Wall thickness 3/4" (19,05 mm)

Wheels, Front & Rear

Bearings, type Tapered roller
 Tires, low pressure, tubeless 14.00 x 24-10 P.R.
 Tire rims (demountable) 10" semi-drop center (254 mm)

Brakes

Service brakes 4-wheel hydraulic self-adjusting with power booster
 Size 17" x 4" (431,8 mm x 101,6 mm)
 Parking brake Mechanical-acting on rear axle

Engine

Choice of DETROIT DIESEL or CUMMINS Diesel Engine

DETROIT DIESEL
 6-71C
 (2-cycle)

Number of cylinders 6
 Bore and stroke 4 1/4" x 5" (107,9 mm x 127 mm)
 Displacement 425.6 cu. in. (6975 cc)
 Horsepower 190

CUMMINS
 H-743-C
 (4-cycle)

Number of cylinders 6
 Bore and stroke 5 1/8" x 6" (130 mm x 152,4 mm)
 Displacement 743 cu. in. (12177 cc)
 Horsepower 160

Fuel Tank

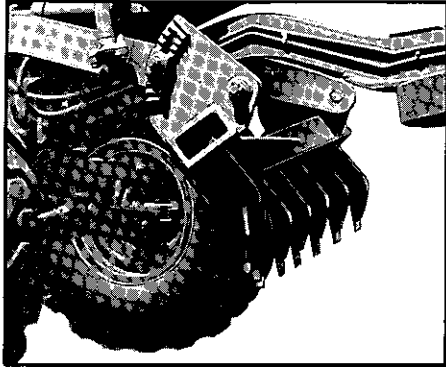
Usable capacity 84 gal. (318 liters)

Clutch

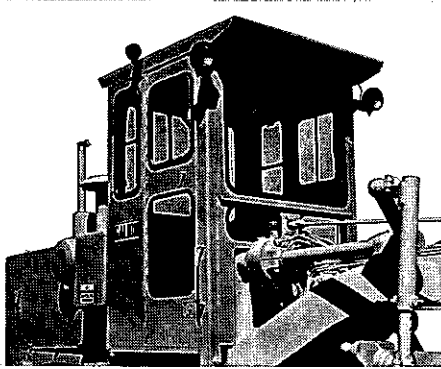
3-plate, oil-cooled, full-filtered

Specifications, materials and design subject to change without notice.

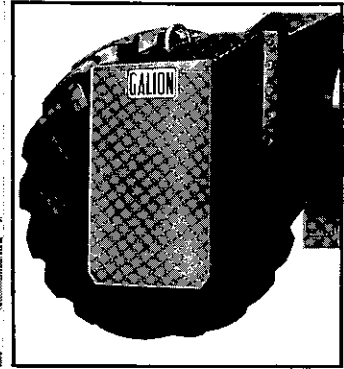
Options and Attachments



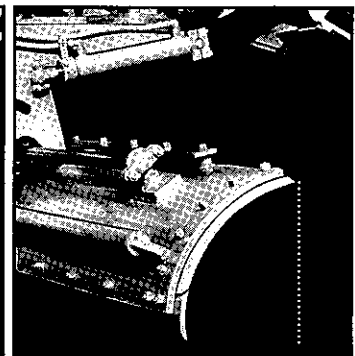
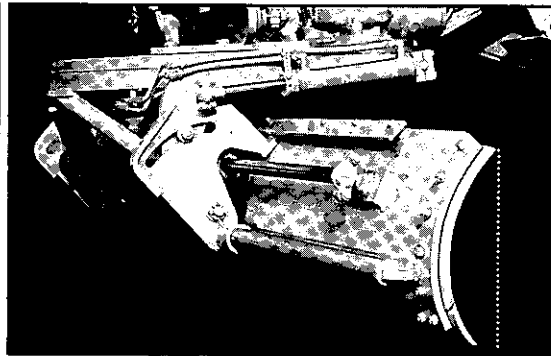
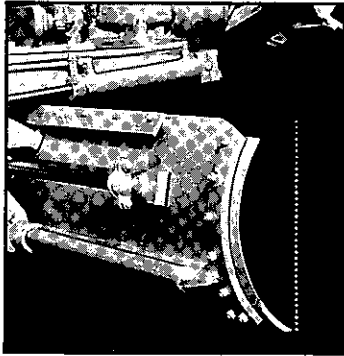
V-Type Scarifier is hydraulically controlled and cuts a 46" swath with 11 replaceable, heat treated points. Scarifier shanks are alloy steel, notched and keyed for easy adjustment. Sturdy adjustable hang rods are of telescoping design.



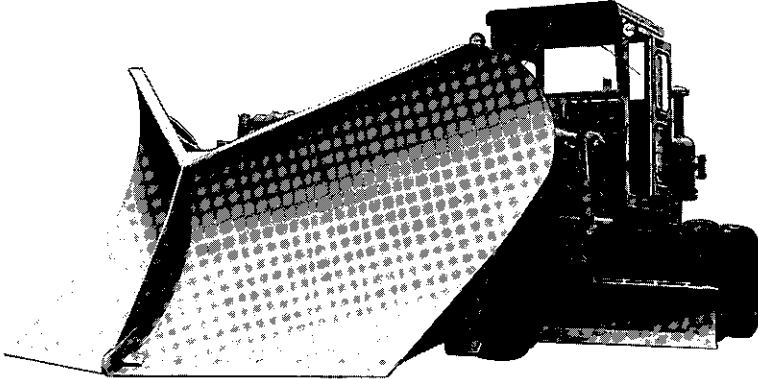
Three cabs available. A deluxe cab with large areas of tinted safety glass. A special sound suppression cab. And for added protection and comfort, a specially designed R.O.P.S. (roll-over protection) cab, as shown above, insulated for sound suppression. Air conditioning available.



Steel Pusher Plate. Heavy duty plate is mounted on front of grader frame, for pushing companion equipment.



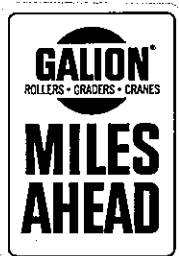
Hydra-Tilt Moldboard. Permits the grader operator to adjust the tilt of the moldboard without leaving the cab or stopping the grader. Fingertip hydraulic control instantly sets the moldboard pitch at ANY point between minimum and maximum.



V-Type Snow Plow. Available in 3 sizes and is operated independently by the grader hydraulic system, from controls in cab. Double-acting hydraulic cylinder provides lift and also down pressure for more efficient plowing action. Adjustable shoes, with renewable wear plates, provide level firm base.

Also available for Galion Motor Graders

- High flotation tires
- 24-volt electrical starting
- Electric lights
- Hot water cab heater
- Defroster fan
- Electric windshield wiper
- Power tire pump
- Back-up alarm
- Odometer
- Rear view mirror
- Hood sides
- Radiator shutter
- Sound suppression cab
- Snow wing
- Larger moldboard
- Overlay end bits
- Trench moldboard
- Hydraulic jack
- Bulldozer



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