



4-11-72

### COMPETITIVE DATA

THIS MATERIAL IS REPRODUCED FOR THE SOLE PURPOSE OF ENABLING PROSPECTIVE PURCHASERS TO MAKE COMPARISONS BETWEEN GALION'S PRODUCTS AND THOSE OF COMPETITIVE MANUFACTURER. THE GALION IRON WORKS & MFG. COMPANY MAKES NO REPRESENTATION AS TO THE ACCURACY OR CURRENT STATUS OF THIS MATERIAL.

NUMBER: D-562-71

EFFECTIVE DATE:

REPLACES: 70-1

FILE IN SECTION: D

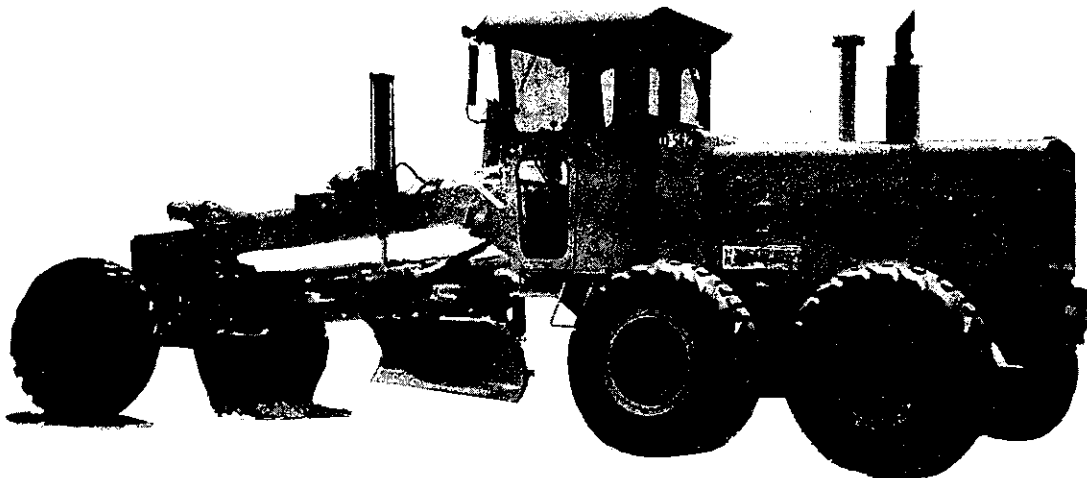
THE GALION IRON WORKS & MFG. COMPANY division of Jeffrey Galion Inc. Galion, Ohio 44833, U.S.A.

**"champion<sup>®</sup> motor graders"  
by cleveland equipment**

**Model  
D-562**

***For Grading / Ditching / Bank-Sloping / Mulching / Scarifying /  
Bulldozing / Ripping / Snowplowing / Winging / Building and  
Maintaining Roads, Streets and Highways***

- choice of Cummins or GM diesel engine
- 27,000 pound weight class
- mounting plate for standard or hydraulic-powered snowplow and bulldozer attachments
- high tensile steel jig-welded "Monobox" beam frame and drawbar
- 2-plate oil clutch
- anti-friction bearings throughout the engine-to-wheels drive chain
- 8-speed forward and 4-speed reverse "Constant-Mesh" transmission



CLEVELAND EQUIPMENT / A DIVISION OF THE DOMINION ROAD MACHINERY CORPORATION / BRIGHTON, MICHIGAN 48116

# specifications

## D-562

<b>WEIGHT</b>		GM	CUMMINS
with enclosed cab and scarifier (total) . . . . .	26,505 pounds		27,465
on front wheels . . . . .	8,865 pounds		9,155 pounds
on rear wheels . . . . .	17,640 pounds		18,310 pounds
less enclosed cab and scarifier . . . . .	24,485 pounds		26,035 pounds
<b>LENGTH OVERALL</b> . . . . .			26'8½"
<b>WIDTH OVERALL</b> . . . . .			7'9"
<b>HEIGHT OVERALL</b> (with enclosed cab, from ground) . . . . .			10'0"
<b>WHEELBASE</b> . . . . .			19'6½"
<b>BLADE BASE</b> . . . . .			8'3"
<b>TREAD</b> front . . . . .			6'7"
rear . . . . .			6'7"
<b>TURNING RADIUS</b> wheels straight . . . . .			40'
wheels leaning . . . . .			25½'
<b>GROUND CLEARANCE</b> front axle . . . . .			25"
under raised blade . . . . .			19½"
<b>MOLDBOARD</b>			
length . . . . .	12' (13' and 14' optional)		
width . . . . .	25" (29" optional)		
material . . . . .	¾" (1" optional)		
rotation of circle . . . . .	360°		
drawbar side shift . . . . .	30" right or left		
shift on moldboard lugs . . . . .	30" right or left		
power slide shift . . . . .	40" right or left		
reach beyond wheels . . . . .	6'		
bank-sloping angle (maximum) . . . . .	90° right or left		
shoulder reach (outside wheels, standard moldboard) . . . . .	6'0"		
pitch positions . . . . .	12 by loosening bolts		
*power tilt . . . . .	47°		
*cutting edge size and material . . . . .	¾" x 6" x 6" high carbon steel		
*end extensions . . . . .	2' either end, bolt-on		
<b>CAB INTERIOR</b> width . . . . .	4'2"		
height . . . . .	6'4"		
<b>*SCARIFIER</b>			
weight . . . . .	1,520 pounds		
drawbars . . . . .	1" x 6" H.O. Steel		
tooth box size . . . . .	¾" x 6½" x 8"		
number of teeth . . . . .	11		
size of teeth . . . . .	1" x 3" x 18"		
replaceable tips . . . . .	manganese steel		
width of cut . . . . .	48"		
tooth pressure . . . . .	9,600 pounds		9,800 pounds
<b>FRAME</b>			
type . . . . .	welded and reinforced monobox		
	GM	CUMMINS	
weight per foot average . . . . .	188 pounds	183.3 pounds	
weight per foot at arch (maximum) . . . . .	235 pounds	235 pounds	
weight per foot each ship channel . . . . .	41.1 pounds	41.1 pounds	
<b>DRAWBAR</b>			
box section size . . . . .	¾" x 6½" x 6½"		

\*Optional

(Specifications subject to change without notice)

material . . . . .	Steel Plate
connection . . . . .	Ball Stud ¾"
<b>CIRCLE</b>	
diameter . . . . .	60" 66"
rotation or turn . . . . .	360°
rim section size . . . . .	1" x 7" x 8" boxed
circle legs . . . . .	1¼" x 8"
<b>AXLE, FRONT</b>	
ground clearance for windrow . . . . .	25"
bar size . . . . .	1" x 6"
inner bearing diameter . . . . .	3½"
<b>AXLE, REAR</b>	
type . . . . .	Full Floating
housing size . . . . .	9½" diameter
axle diameter at bearings . . . . .	3½"
axle material . . . . .	H.T. Alloy Steel
tandem drive wheel centers . . . . .	61½"
drive chain pitch size . . . . .	2" RC 160
<b>STEERING</b> type . . . . .	mechanical with power booster
<b>WHEELS</b> type and material . . . . .	Detachable Rim,
<b>WHEEL BEARINGS</b> type . . . . .	Timken Roller
<b>TIRES</b> size . . . . .	13:00 x 24, 8 ply, 8" Rims
<b>BRAKES</b> foot brake type . . . . .	2 wheel hydraulic
hand brake type . . . . .	mechanical
<b>TRANSMISSION</b>	
type . . . . .	constant-mesh
number of speeds forward . . . . .	8
number of speeds reverse . . . . .	4
clutch brake . . . . .	on transmission
axle diameter at bearings . . . . .	3½"
bearing type . . . . .	SKF Ball Bearing
<b>SPEEDS</b> (m.p.h. @ rated R.P.M.) . . . . .	20.5 @ 1800 R.P.M.
R.P.M. rating . . . . .	1800 R.P.M.
forward (max low to high) 2.6, 3.5, 4.8, 6.5, 8.4, 11.4, 15.8, 20.5	
reverse (maximum low to high) . . . . .	2.9, 4.9, 8.4, 15.2
<b>ENGINE</b>	
make . . . . .	GM
model . . . . .	4-71 "N"
type . . . . .	diesel
bore . . . . .	4¼"
stroke . . . . .	5"
displacement . . . . .	284 cubic inches
number of cylinders . . . . .	4 (2 cycle)
horsepower (B.H.P.)	
@ governed speed . . . . .	135
R.P.M. @ governed speed . . . . .	1800 R.P.M.
lubrication . . . . .	Pressure
governor . . . . .	Variable
<b>CAPACITIES</b>	
fuel tank . . . . .	60 U.S. gallons (90 optional)
crankcase . . . . .	3 gallons
cooling system . . . . .	5 gallons
<b>ELECTRICAL SYSTEM</b>	
starting and lighting voltage . . . . .	12 Volt
<b>CLUTCH</b> type and size . . . . .	2 plate oil 16"
<b>CONTROLS</b>	
type . . . . .	cab operated power hydraulic, series type

**THE TOUGH ONES!**

