

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 CM-787
EFFECTIVE DATE 2-72
REPLACES: GIW 3-71
FILE IN SECTION: A

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

M 65

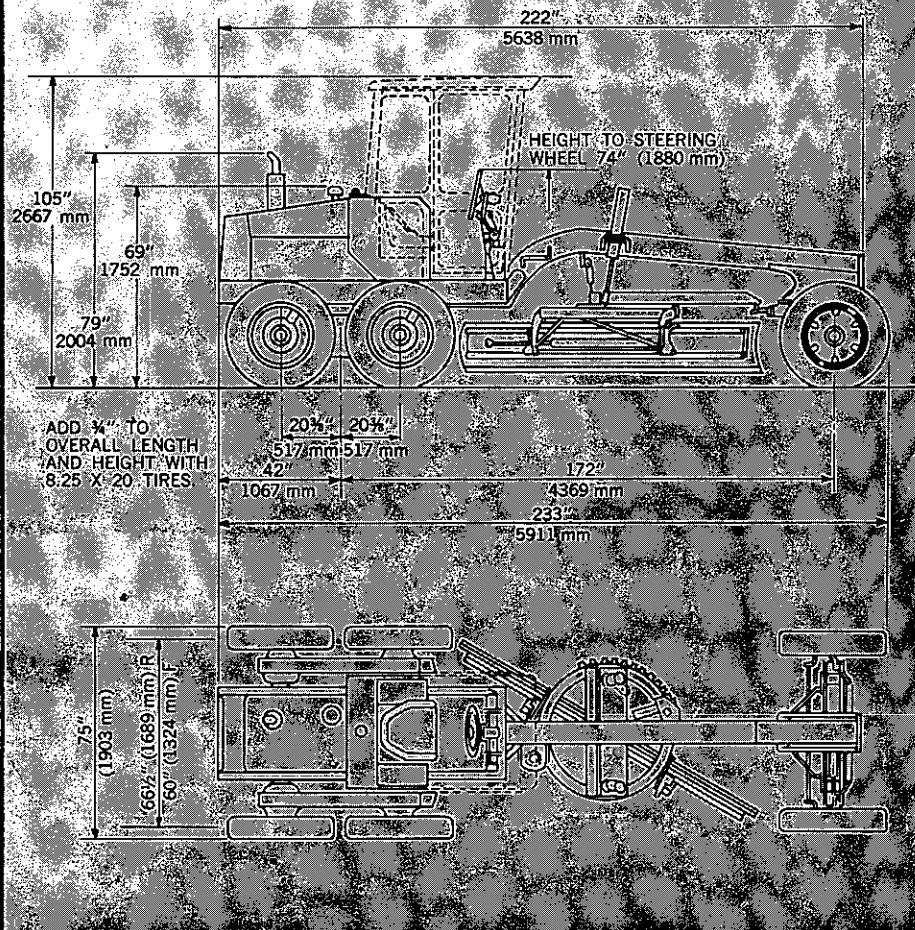
STANDARD EQUIPMENT

- Hydraulic blade lift
- Power circle turn
- Hydraulic wheel lean
- Power steering
- Front mounting plate
- Accelerator-decelerator
- 4 x 4 shuttle-shift transmission
- Torsion bar suspension seat
- ROLL-AWAY moldboard with replaceable end bits
- Dry type air cleaner
- Full-flow hydraulic & engine oil filters
- 7.50 x 20 (6 ply) tires
- Ammeter, oil pressure and water temperature gauges

OPTIONAL EQUIPMENT

- Air heater
- Parking brake
- 4 wheel brakes
- Tinted glass cab
- Creeper transmission
- Hydraulic shiftable moldboard
- Scarifier
- Lights
- 12' moldboard
- 8.25 x 20 (6 & 10 ply) tires
- Vandalism prevention kit
- Oil bath air cleaner
- Windshield wipers
- Cab heater
- Defroster fan
- Fuel pressure gauge
- Air cleaner restriction indicator
- Hood side plates
- Electric hour-meter
- Odometer
- Moldboard extensions
- Tire pump
- Tool kit
- Front pull hook
- Horn
- Cab

DIMENSIONS



ALLIED EQUIPMENT

- TLD rear-mounted loader
- Canopy
- Dozer blade
- Windrow eliminator
- Rear-mounted ripper

M-65 MOTOR GRADER

WEIGHT		DIESEL	GASOLINE	CIRCLE
Shipping	10,740 lbs (4882 Kgs)	10,220 lbs (4646 Kgs)		Diameter 48" (1220 mm)
On front wheels	3,250 lbs (1477 Kgs)	3,190 lbs (1450 Kgs)		Section shape and size Angle 4" x 3-3/4" x 3/4" (102 x 95 x 19 mm)
On rear wheels	7,490 lbs (3405 Kgs)	7,030 lbs (3196 Kgs)		Degrees turn 139°
ENGINE				DRAWBAR
Make	Allis-Chalmers	Allis-Chalmers		Main member (solid) 4" x 5-1/2" (100 x 140 mm)
Model	D-262	G-226		Cross member (solid) 4" x 5-1/2" (100 x 140 mm)
Rated HP	63	63		Circle supports 3. Fully adjustable
Flywheel HP*	59	59		FRAME
RPM	1650	1650		Construction welded box section and channels
Type	Four cycle	Four cycle		AXLE—FRONT
No. of cylinders	6	4		Construction arched, truss type
Bore and stroke	3-9/16" x 4-3/8" (90 x 111 mm)	4" x 4-1/2" (100 x 114 mm)		Axle oscillation 15° each way
Piston displacement	262 cu. in. (4.29 L)	226 cu. in. (3.70 L)		Clearance at centerline with 7.50 x 20 tires 20" (508 mm)
Lubrication	Full pressure	Full pressure		Wheel lean 15° each way
Dry-type air cleaner standard. 12-volt direct electric starting. Standard gauges include ammeter, oil pressure, water temperature.				STEERING
*Flywheel horsepower: Horsepower available at the flywheel of the vehicle engine under SAE J816a conditions of 85° F (29° C) and 29.38" (746 mm) Hg. after deductions have been made for fan, alternator, lube oil pump, water pump, air cleaner and fuel pump. This vehicle may be operated up to 2500 ft. before derating the engine.				Hydrostatic, hydraulic follow-up
CLUTCH				AXLE—REAR
Type	Dry—single plate			Construction Rigid type
				Material Alloy steel
TRANSMISSION				TANDEMS
Type	Mechanical			Construction Welded steel plate
Forward-Reverse Shuttle Shift				Drive Roller chain
				Wheel centers 40-3/4" (1035 mm)
SPEEDS (with 7.50 x 20 tires)				TIRE SIZE—FRONT AND REAR
1st		2nd		Standard (6 ply) 7.50 x 20
Forward 2.2 mph (3.6 kmh)		4.7 mph (7.6 kmh)		Optional (6 & 10 ply) 8.25 x 20
Reverse 1.9 mph (3.0 kmh)		3.9 mph (6.3 kmh)		
3rd		4th		BRAKES
Forward 11.5 mph (18.5 kmh)		21.0 mph (33.6 kmh)		Transmission brake standard. 4 Wheel tandem brakes (hydraulic) optional with transmission brake converting to a parking brake
Reverse 9.6 mph (15.4 kmh)		17.0 mph (27.5 kmh)		HYDRAULIC SYSTEM
SEAT				Full-flow filtration, serviceable from ground level
Adjustable chair-type seat with torsion bar suspension				CAPACITIES
CONTROLS				
Full hydraulic—circle lift, power circle turn and power front wheel lean				Gallons Liters
Segmented stack-type valves				Hydraulic system 16.50 23.0
MOLDBOARD				Fuel tank 27.00 102.0
Type ROLL-AWAY moldboard				Cooling system 4.00 15.1
Shape Involute curve				Crankcase 1.25 4.7
Length, height and thickness 10' x 16-5/8" x 5/8" (3040 x 422 x 16 mm)				Transmission and rear axle 4.00 15.1
Replaceable and reversible cutting edges and end bits				Tandem cases (each) 3.00 11.3
*ROLL-AWAY is an Allis-Chalmers trademark				DIMENSIONS
MOLDBOARD RANGE				Length overall 19'5" (5911 mm)
Side shift manual sliding adjustment				Width overall 6'3" (1903 mm)
Manual sideshift range Right 16" (406 mm)				Height overall
Left 15" (381 mm)				With cab 8'9" (2667 mm)
LIFTING MECHANISM				Without cab (top of steering wheel) 6'2" (1880 mm)
Type Hydraulic				Wheelbase (distance front to rear drive) 14'4" (4369 mm)
Stroke 20" (508 mm)				Blade base 6'1/4" (1835 mm)
Piston rod connection Ball and socket				Tread
Connection take-up Shims				Front (7.50 x 20) 60" (1524 mm)
				Rear (7.50 x 20) 66-1/2" (1689 mm)
				Turning radius 25'6" (7750 mm)



ALLIS-CHALMERS

CONSTRUCTION MACHINERY DIVISION, SPRINGFIELD, ILLINOIS 62708

The information contained herein is general in nature and is not intended for specific application purposes. Allis-Chalmers reserves the right to make changes in specifications shown herein or add improvements at any time without notice or obligation. Illustrations show standard and non-standard items.