



# specifications

## Galion model 150 series A hydraulic mobile crane

### Standard Equipment Features

Four wheel steering, Four wheel drive with axle disconnect, "No Spin" front axle, 17 to 37 ft. telescopic power boom, 14:00 x 24—16 P.R. non-directional tires. Removable boom point with 3 sheaves, 70° maximum boom elevation, 360° continuous rotation, 80 GPM Tandem hydraulic pumps, Horn, Engine air cleaner, Muffler, Adjustable "bucket type" seat, Hour meter, Electric fuel gauge, Converter temperature gauge, Over-center check valves for crowd and boomlift cylinders, Hook latch, Rear steer indicator, Automatic hoist and swing brake, Cross line relief protection for winch and swing circuits, Extra hydraulic circuit for boom mounted attachments, Torque converter, Powershift transmission, 5-part line hook block, Hydraulic Outriggers with pilot check valves. Dual swing control. 12-volt electrical system, 42 amp alternator.

### General Dimensions

Weight with outriggers  
(approx.), pounds ..... 37,300  
Length, overall ..... 27'2"  
Width, overall ..... 8'  
Turning radius ..... 18'1"

### Chassis

Frame  
Length, overall ..... 15'6½"  
Box section, center ..... 22½" x 5"  
Box section, over axles ..... 15" x 5"

### Ground Clearance

Axle ..... 16"  
Outriggers ..... 15"

### Axles

Front and rear—Steering Type, planetary  
Mounting

Front ..... Rigid to frame  
Rear (no locks needed) ..... Elastomeric suspension

Wheels ..... Integral disc and rim

### Steering (flow regulated from main system)

Front ..... Manual with power booster  
Rear ..... Hydraulic

### Brakes

Service-Hydraulic Power, 4-Wheel .17" x 4"  
Parking—Mechanical on axle drive .13¾" x 2"

### Crane

Controls ..... Hydraulic  
Tandem Hydraulic Pumps 50 and 30 GPM

### Boom

Reach, horizontal, minimum ..... 17'6"  
Reach, horizontal, maximum ..... 37'6"  
Swing, rotation continuous ..... 360°  
Elevation, maximum ..... 70°  
Tail Swing, maximum ..... 7'8¾"  
Hook height, boom horizontal ..... 6'6¾"

### Crane Performance

Boom topping speed ..... 17.0 sec.  
Boom lowering speed ..... 16.0 sec.  
Swing speed, rpm ..... 4.0  
Outrigger speed  
Down ..... 3.5 sec.  
Up ..... 3.0 sec.  
Crowd speed (approx.)  
Extending, fpm ..... 50  
Retracting, fpm ..... 60  
Average line speed  
Low, fpm ..... 150  
Intermediate, fpm ..... 250  
High, fpm ..... 400  
Standard rigging ..... 5-part line  
Maximum hook speed with  
5-part line, fpm ..... 80  
Capacity ..... See safe load charts

### Winch Performance

Single part line pull, maximum,  
bare drum, lbs. .... 7,500  
Single part line pull, rated, lbs. .... 6,200  
Winch Drum Capacity ... 450 ft. ⅝" cable  
Wire rope ..... ⅞" x 8 x 19 SEALE, IWRC  
spin-resistant regular lay

### Engine

Detroit Diesel 4-53N  
Horsepower ..... 127  
Number of cylinders ..... 4  
Displacement, cubic inches ..... 212.4  
Bore, inches ..... 3.875  
Stroke, inches ..... 4.50

### Six Speed Dual Range

### Power Shift Transmission

Torque Converter  
Forward and Reverse .... Power Shift

Speeds (variable by governor control)  
Forward and Reverse ... 0 to 26.5 mph  
(approx.)

### Optional Equipment

Four-section  
hydraulic power boom (20' to 60')  
(6096 mm to 18288 mm)  
8' and 18' (2438 mm and 5486 mm)  
manual extensions (used with  
3-section power boom)  
20' (6096 mm) jib and gantry  
14:00 x 24—20 P.R. tires  
17.5 x 25—14 P.R. tires  
Deluxe enclosed cab  
Operator guard  
Cab heater, hot water  
Defroster fan  
Engine hood sides  
Lights—driving, directional  
Boom floodlights  
Rear floodlights  
Pulsating, red, rear mounted lights  
Rear view mirrors, outside mounted  
Audible back-up alarm  
Boom angle indicator  
Pintle hook  
High lift work platform  
Two-man Fiberglass workbasket  
Load carrying platform  
Railroad coupler  
Rail guide wheel attachment  
Electric tire pump with hose and gauge  
Clamshell attachment, hydraulic  
Magnet attachment  
Front or rear mounted winch  
Auxiliary winch, boom mounted  
Auxiliary sheave (boompoint)  
Sound suppression kit

Specifications, Materials and  
Design subject to change  
without notice



### GALION MANUFACTURING DIVISION

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