

# MODEL P - 12-W

## MODEL P - 12-W: STANDARD SPECIFICATIONS

### ENGINE

Detroit Diesel model 12-V-71-N  
Bore and Stroke - 4 1/4" x 5"  
Displacement in cu. in. - 852.  
Brake horsepower at RPM - 475 @ 2100.  
Torque at RPM - 1200 lb. ft. @ 1200.  
Unit includes idle, stop, and emergency stop controls.

Dual 14" Donacloone Dry Air Cleaners

### MAIN TRANSMISSION

Allison CLBT-5960  
6 speed Power Shift

### DRIVE LINES

Spicer - front - 1800 series  
- centre - 1810 series  
- interaxle - 1710 series

### PARKING BRAKE

Anchorlok type 36 spring brake on 2 wheels of rear bogie.

### STEERING

Gemmer 500 with Vickers hydraulic assist.  
Assembly includes two drag links with idler arm ahead of axle, and provides maximum wheel lock of 40 degrees.

Steering hydraulic pump has 8 gal. per. min. capacity with 2.4 gallon reservoir.

Steer cylinder has 2 3/4" diameter with 12" stroke.

### FRONT AXLE

FU-910, 28,000 # capacity with 89" track, 81" king pin centre, cast spoke hubs, 20 1/4" x 5" brakes, 5" wide springs with 57 1/2" load centres and torque rod suspension.

### REAR AXLE

Clark BD-91,000 # axle with 100" track, cast spoke hubs, 20" x 7" brakes.  
Heavy duty spring/walking beam suspension.

### FUEL TANK

100 gallon capacity mounted on left hand side of frame. Fuel system includes primary and secondary filters to Detroit Diesel specifications.

### TIRES & WHEELS

Tires - 2 only 14.00 x 24 - 20 ply nylon rib type with shredded wire undertread.  
8 only 14.00 x 24 - 20 ply nylon, conventional lug type with shredded wire undertread.  
11 only 10.00 x 24 Goodyear rims.

### FRAME

40" wide.  
12" x 4" x 3/8" heat treated outer rail, section modulus = 22.736 in.<sup>3</sup>  
11 3/16" x 3 1/4" x 3/8" heat treated inner rail, section modulus = 18.66 in.<sup>3</sup>  
Tubular bumper with tow pin.  
Grille guard.

### RADIATOR

Heavy duty core 36" x 42" x 5 1/2" (1512 sq. in.) with bolt on top and bottom tanks and built in expansion tank, mounted on rubber to a cross-member which in turn is rubber mounted to frame.  
Assembly includes air operated thermostatically controlled shutter.

### ELECTRICAL

24 volts throughout with 65 amp. (27 S.I.) alternator, 6 manual reset circuit breakers, head, tail, and stop lights.  
Cab equipment - 34,000 BTU heater, defroster fan, dome light, cigarette lighter.

### AIR EQUIPMENT

Schedule "L" two 12 cubic foot compressor system with valves to control front and rear axles, flexible lines throughout, and air horn.

### INSTRUMENTS

Speedometer, Tachometer, Ammeter, Air Pressure Gauges, Water Temperature Gauge, Oil Temperature Gauge, Engine Oil Pressure Gauge, Low Air Pressure Warning Light, Two Air Cleaner Restriction Gauges, and High Beam Indicator.

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### CHASSIS DIMENSIONS (+3" for Lights & Horn)

