

# MODEL P - 12-W

## MODEL P - 12-W: STANDARD SPECIFICATIONS

### ENGINE

Detroit Diesel model 12-V-71-N  
Bore and Stroke - 4¼" 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" Donac lone 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 ¾" diameter with 12" stroke.

### FRONT AXLE

FU-910, 28,000 # capacity with 89" track,  
81" king pin centre, cast spoke hubs,  
20¼" x 5" brakes, 5" wide springs with 57½" 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 3¼" 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 5½" (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

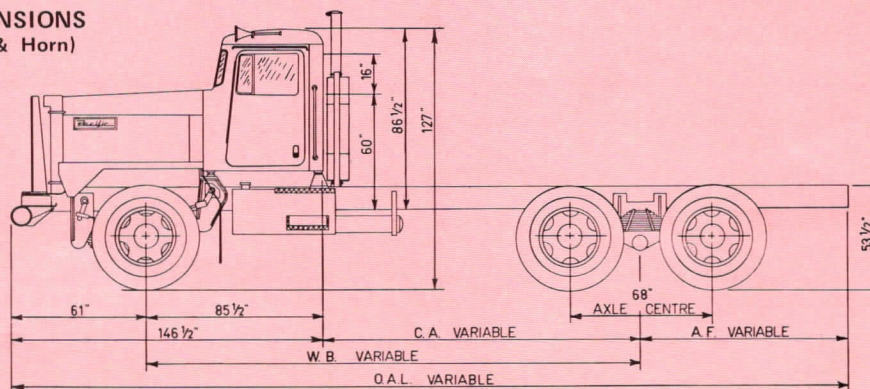
Schedule "L" two 12 cubic foot compressor system with valves to control front and rear axles, flexible lines throughout, and air horn.

### 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.

(continued on other side)

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



## MODEL P - 12-W: SPECIFICATIONS (continued)

### CAB

"Pacific" all steel type equipped with bulkhead type doors, safety glass throughout, full insulated, sliding rear window, vent windows, cowl vents, Bostrom Air Viking driver's seat, swamper's seat mounted on tool box, and dual painted West Coast mirrors.

### PAINT

Cab and chassis; single colour.

### HOOD & FENDERS

Hood is all steel with full length hinges, grab handles, and rubber hood catches.  
Fenders are removable flat top style with non-skid top surfaces and mud flaps.  
Full size radiator guard - mounted on front bumper.

### ACCESSORIES

Wheel wrench and handle.

## MODEL P - 12-W: OPTIONAL EQUIPMENT

### ENGINE

Detroit Diesel 12V-71-T (525 h.p.) with 1920 cu. in. radiator.  
Cummins KT & KTA engines.  
Caterpillar engines.  
Block heater.  
Exhaust pyrometer.

### MAIN TRANSMISSION

Allison CLBT-6061 (Mandatory with 12-V-71-T)  
Clark Transmissions and Converters.  
Manual lock-up for CLBT-5960 or CLBT-6061.

### FRONT AXLE

Shuler DCA-34, 20,000# capacity with 90" track, 17¼" x 4" brakes.

### REAR AXLE

Clark BD-101,000 axles with 105" track, 20" x 7" brakes.  
Clark BD-121,000 axles with 106" track.

### TIRES

14.00 x 24 - 20 ply lug, deep tread nylon with shredded wire undertread.  
14.00 x 25 - 20 ply conventional lug, nylon with shredded wire undertread.  
14.00 x 25 - 20 ply lug, deep tread nylon with shredded wire undertread.  
16.00 x 25 tires.  
18.00 x 25 tires.

### AIR SYSTEM

Alcohol evaporator  
B.W. air dryer  
Wagner moisture ejection valve

### ELECTRICAL

Clearance lights - bullet type.  
Driving light mounted below bumper.  
Back-up light.  
Flasher warning lights mounted on mirrors.  
Roof-mounted rotating flashing light.

### CAB

Custom interior.  
Windshield washer.  
Electrical passenger window.  
Air conditioner.

### INSTRUMENTS

Kysor high water, low oil warning system and automatic shutdown with manual override.  
Transmission temperature gauges.  
Axle temperature gauges.

### ACCESSORIES

Fire extinguisher - 2½ lbs. dry type.  
Set of two reflector flares and flags.  
20 ton hydraulic jack.

### FRAME

Outsert on frame of 12" x 4" x 3/8" heat treated material. (Designates P-12-W-3).

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In order that product improvements may be introduced at any time specifications are subject to change without notice.

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These specifications are of a standard nature, but owing to our ability to custom build all our trucks, specifications may be made to suit individuals with the approval of Engineering Department.

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 **TRUCK & TRAILER LTD.**

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