



### Engine

Make and Model .....Caterpillar C15  
 Max Horsepower ..... 525 @ 2100 rpm  
 Max Torque ..... 1700 Ft/Lbs  
 Bore and Stroke .....5.4" x 6.5"  
 No. of Cylinders ..... 6  
 Displacement ..... 893 Cu/In (15 liters)

### Air Cleaner

Donaldson Two Stage Dry Type

### Electrical System

Type ..... 24 Volt Negative Ground/24 Volt Start  
 Alternator ..... 100 AMP  
 Circuit Breakers (lights) ..... 30 AMP  
 Circuit Breakers (accessory) ..... 20 AMP  
 Batteries (2) ..... 12 Volt-8D @ 205 AMP Hr. each

### Torque Converter

Clark Single Stage, 3 Elements

### Transmission

Clark 8421 Series Power Shift - Spur Gear; 4 Speeds Fwd and Rev.

| Range  | Ratio        | Speed (Unladen)      |
|--------|--------------|----------------------|
| 1..... | 4.07:1 ..... | 2.9 mph (4.7 km/h)   |
| 2..... | 2.26:1 ..... | 4.8 mph (7.7 km/h)   |
| 3..... | 1.29:1 ..... | 8.0 mph (12.9 km/h)  |
| 4..... | .71:1 .....  | 13.0 mph (21.0 km/h) |

### Axles

Fabricated.....Allied Wagner  
 Model.....Quad Reduction DA-205  
 Type.....Planetary  
 Brakes ..... Hydraulic Dry Disc  
 Chassis ..... 1.25" x 40" Dia. (32mm x 1016mm)

### Tires

Size (Front)..... (Dual)27.00 x 49-42PR  
 Size (Rear) .....26.5 x 25-24PR

### Hydraulic System

"Power Beyond" hydraulics with total capacity of all pumps in the system for multiple use simultaneously. Function controls are hydraulic over hydraulic.

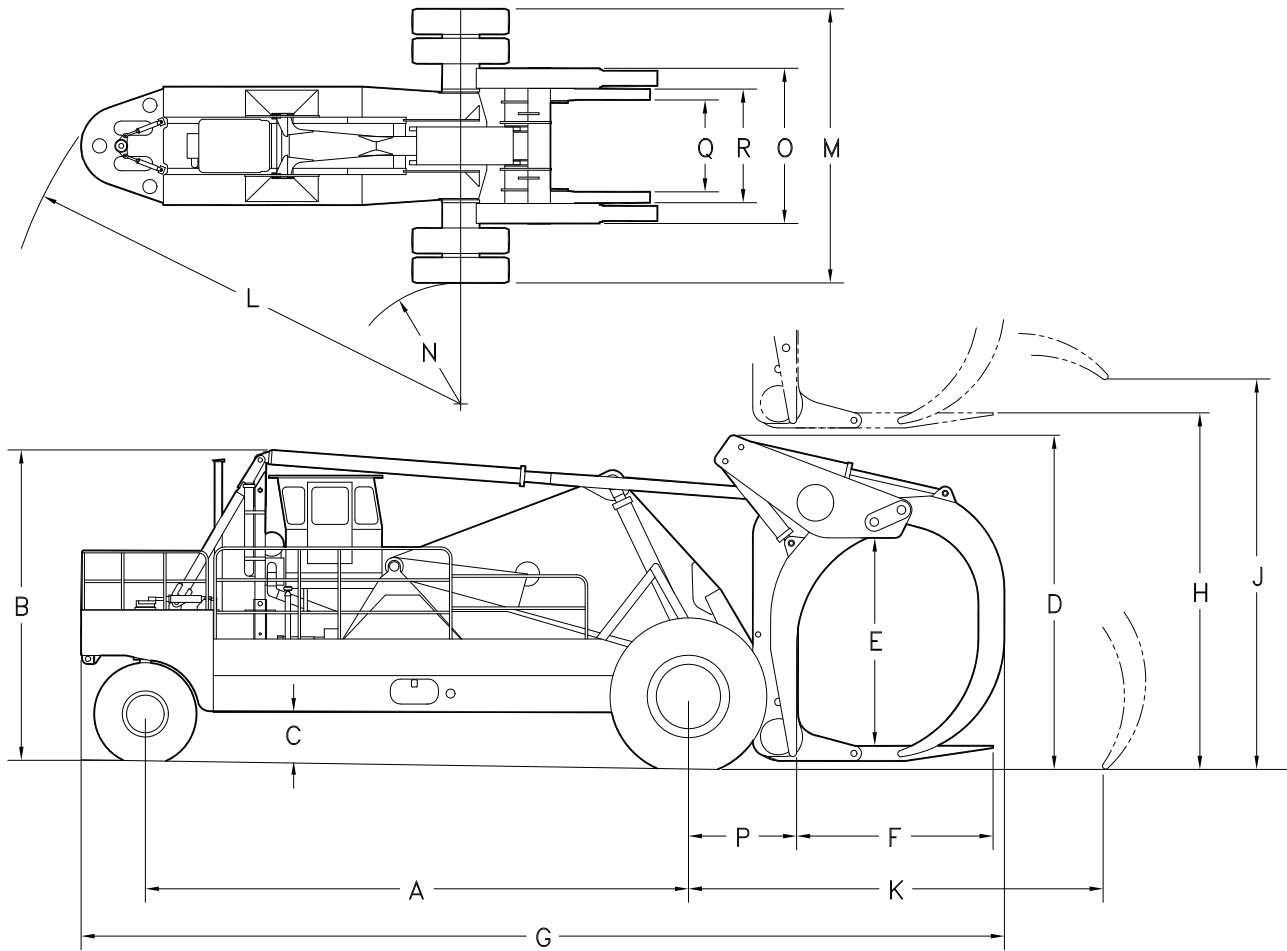
Steering Cylinder (2)..... 4" x 20" (101mm x 508mm)  
 Hoist Cylinder (2)..... 10" x 124" (254mm x 3150mm)  
 Tilt Cylinder (2) ..... 9" x 136" (229mm x 3454mm)  
 Holddown Cylinder (2) ..... 9" x 58" (229mm x 1473mm)  
 Kickoff Cylinder (2) ..... 9" x 44" (229mm x 1118mm)

### Service Refill Capacities

Fuel Tank ..... 450 Gals (1609 liters)  
 Hydraulic Oil ..... 350 Gals (1325 liters)  
 Crankcase w/Filter ..... 13 Gals (49 liters)  
 Cooling System ..... 24 Gals (91 liters)

## Purpose-Built Log Handlers





**Dimensions (approximate)**

|  |                  |  |                  |
|--|------------------|--|------------------|
| A. Wheelbase .....                         | 30' 0" (9144mm)  | K. Reach - Axle to Holddown Tip .....          | 24' 0" (7315mm)  |
| B. Height to Top of Cab .....              | 17' 0" (5182mm)  | L. Turning Radius Tail Swing .....             | 40' 0" (12192mm) |
| C. Ground Clearance Chassis .....          | 2' 9" (838mm)    | M. Width Outside Chassis Tires .....           | 24' 2" (7366mm)  |
| D. Carriage Height .....                   | 18' 4" (5588mm)  | N. Inside Turning Radius .....                 | 10' 0" (3048mm)  |
| E. Mouth Opening .....                     | 11' 8" (3556mm)  | O. Carriage Width .....                        | 13' 4" (4064mm)  |
| F. Tine Length .....                       | 11' 0" (3353mm)  | P. Axle to Face of Carriage - Hoist Down ..... | 6' 0" (1830mm)   |
| G. Overall Length .....                    | 49' 2" (14940mm) | Q. Width Inside of Tines .....                 | 8' 0" (2438mm)   |
| H. Ground to Fork-Hoist Up .....           | 19' 2" (5842mm)  | R. Width Outside of Tines .....                | 10' 0" (3048mm)  |
| J. Ground to Holddown Tip - Hoist Up ..... | 22' 6" (6858mm)  |  |                  |

**Weights and Functions (approximate)**

|                                 |                         |                                    |     |
|---------------------------------|-------------------------|------------------------------------|-----|
| Unit Weight .....               | 205,800 lbs (93,351 kg) | Forward Tilt @ Ground Level .....  | 30° |
| Drive End .....                 | 137,800 lbs (62,506 kg) | Forward Tilt @ Max Height .....    | 19° |
| Tail End .....                  | 68,000 lbs (30,845 kg)  | Backward Tilt @ Ground Level ..... | 30° |
| Rated Lift Capacity 72"LC ..... | 130,000 lbs (58,968 kg) | Backward Tilt @ Max Height .....   | 44° |



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