



Engine

Make and Model Caterpillar..... C-15
 Max Horsepower 540 @ 2100 RPM
 Max Torque 1708 Ft/Lbs @ 1200 rpm
 Bore and Stroke 5.4" x 6.5"
 No. of Cylinders 6
 Displacement 893 Cu/In (14.6 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 Driven Transmission

4 Equal Speeds Forward and Reverse.

Range	Ratio	Speed (Unladen)
1.....	5.31:1	3.2 mph (5.1 km/hr)
2.....	2.72:1	6.1 mph (9.8 km/h)
3.....	1.40:1	11.0 mph (17.7 km/h)
4.....	.71:1	19.5 mph (31.3 km/h)

Axles

Type.....Planetary Final Reduction
 Brakes Wet Disk Brake
 Chassis..... 1" x 37" Dia. (25mm x 940mm)
 Bogie None

Tires

Size (Front) (Dual) 24.00 x 35-42PR
 Size (Rear) 29.5 x 25-22PR

Hydraulic System

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

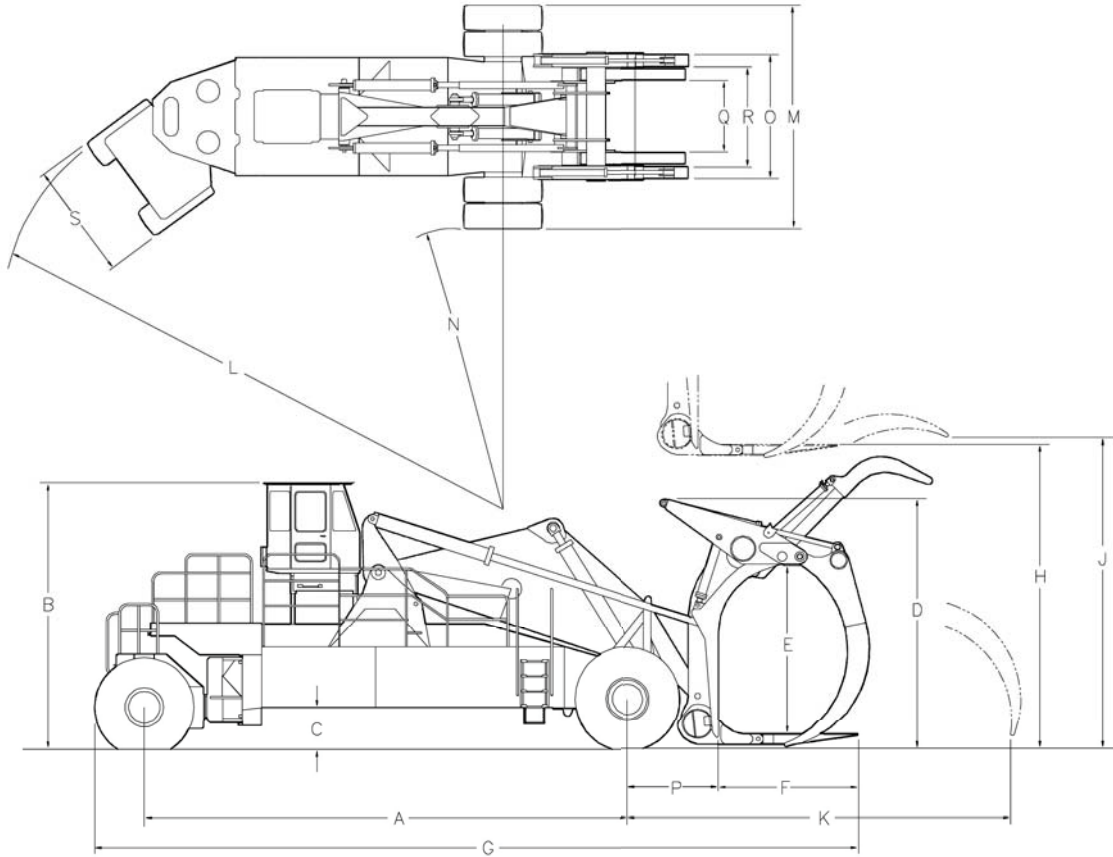
Steering Cylinder (2)..... 5" x 32" (127mm x 813mm)
 Hoist Cylinder (2)..... 9" x 123.25" (228.6mm x 3130.55mm)
 Tilt Cylinder (2) 9" x 51" (228.6mm x 1295.4mm)
 Holddown Cylinder (2) 8" x 56" (203.2mm x 203.2mm)
 Kickoff Cylinder (2) 7" x 37" (177.8mm x 939.8mm)

Service Refill Capacities

Fuel Tank..... 425 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

L4120



Dimensions (approximate)

A. Wheelbase	32' 0" (9754mm)
B. Height to Top of Cab	17' 8" (5386mm)
C. Ground Clearance Chassis.....	3' 0" (914mm)
D. Carriage Height.....	16' 4" (4978mm)
E. Mouth Opening.....	11' 3" (3429mm)
F. Tine Length.....	9' 6" (2796mm)
G. Overall Length	50' 6" (15340mm)
H. Ground to Fork-Hoist Up.....	20' 0" (6096mm)
J. Ground to Holddown Tip	
Carriage Down/Holddown Up.....	20' 10" (6350mm)
K. Distance from Axle to Holddown	
Tip for Reach	25' 4" (7722mm)
L. Turning Radius Tail Swing	53' 6" (16306mm)
M. Width Outside Chassis Tires	20' 8" (5080mm)
N. Inside Turning Radius	30' 0" (9754mm)
O. Carriage Width.....	11' 0" (3353mm)
P. Axle to Face of Carriage - Hoist Down	6' 0" (1829mm)
Q. Width Inside of Tines	6' 4" (1930mm)
R. Width Outside of Tines.....	8' 4" (2540mm)
S. Width Outside of Bogie Tires.....	10' 10" (3302mm)

Weights and Functions (approximate)

Unit Weight	177,850 lbs (80,657 kg)
Rated Lift Capacity 54"LC	120,000 lbs (54,431 kg)
Forward Tilt @ Ground Level	30°
Forward Tilt @ Max Height.....	28°
Backward Tilt @ Ground Level.....	20°
Backward Tilt @ Max Height	32°

Performance

Raise Fully Loaded Hoist.....	18.6 seconds
Lower Empty Hoist	10.3 seconds

Features and Options

Standard:
 Central Lubrication System
 ANSUL Liquid Fire Suppression
 LED Lights
 Automatic Climate Control
 Adjustable Steering Wheel
 Display Module
 Rotating Seat Platform

Optional:
 Automatic Lubrication System
 Remote Monitoring
 Front and Rear View Cameras with Monitor
 Warning Beacon
 Joystick Steering
 Automatic Activation Fire Suppression

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