



Engine

Make and Model.....Caterpillar Electronic C-18
 Max Horsepower 630 @ 2100 RPM
 Max Torque.....2050 Ft/Lbs @ 1200 rpm
 Bore and Stroke.....5.5" x 6.5"
 No. of Cylinders.....6
 Displacement..... 1098 Cu/In (18 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, 16000 Series

Transmission

Clark 8422H Series Power Shift-Spur Gear; 4 Speeds Fwd and Rev.

Range	Ratio	Speed (Unladen)
1.....	4.07:1.....	2.9 mph (4.7 km/hr)
2.....	2.26:1.....	5.2 mph (8.4 km/h)
3.....	1.29:1.....	8.5 mph (13.7 km/h)
4.....	71:1.....	11.7 mph (18.8 km/h)

Axles

Fabricated.....Allied Wagner
 Model (Chassis).....Quad Reduction DA-205
 Model (Bogie – Trunnion Mounted) 53R300 Series
 Type.....Planetary
 Brakes Hydraulic Dry Disc
 Chassis 1.25" x 40" Dia. (32mm x 1016mm)
 Bogie..... None

Tires

Size (Front)..... (Dual) 33.00 x 51 Radial
 Size (Rear) 24.00 x 35 Radial

Hydraulic System

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

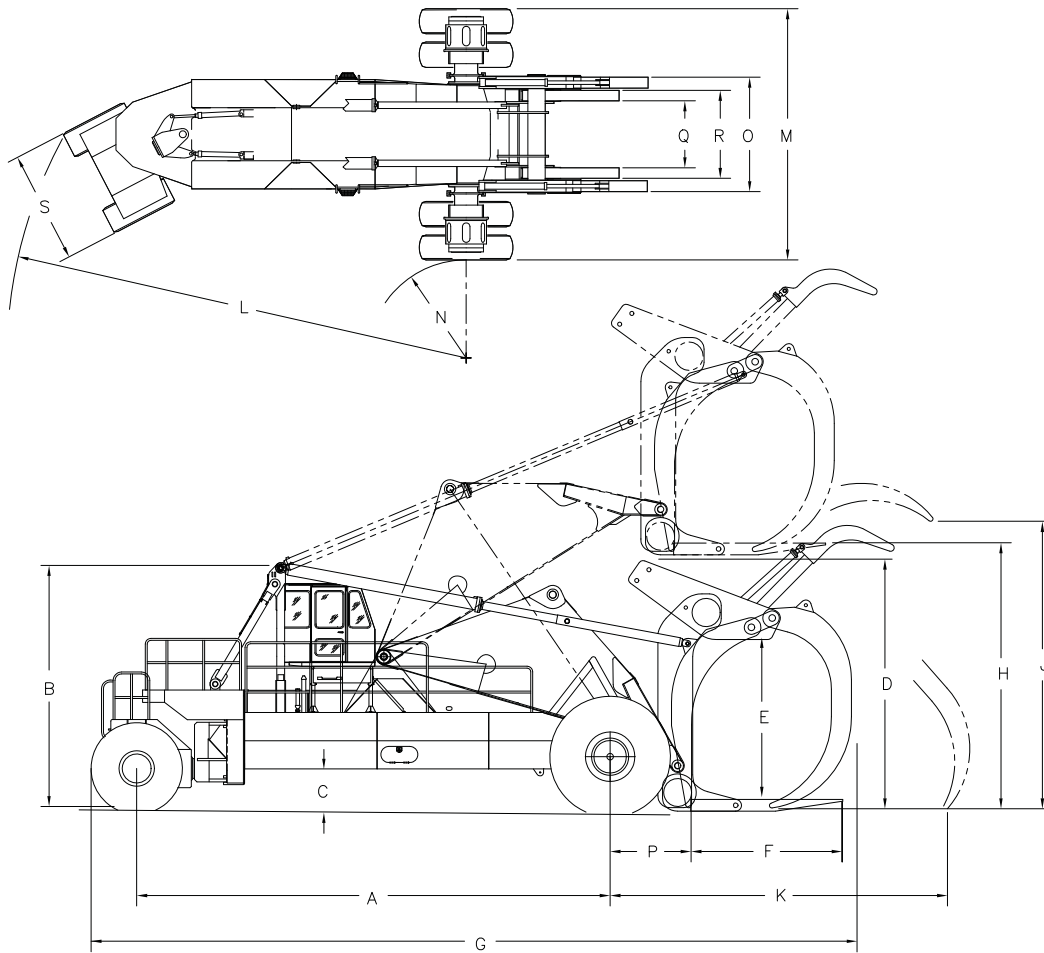
Steering Cylinder (2)..... 6" x 32" (152mm x 813mm)
 Hoist Cylinder (2).....11" x 124" (279 mm x 3150mm)
 Tilt Cylinder (2) 10" x 160" (254mm x 4064mm)
 Holddown Cylinder (2) 9" x 58" (229mm x 1473mm)
 Kickoff Cylinder (2) 9" x 44" (229mm x 1118mm)

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

L4160F



Dimensions (approximate)

A. Wheelbase	38' 0" (11,582mm)	K. Reach - Axle to Holddown Tip	23' 5" (7,315mm)
B. Height to Stabilizer Support	19' 0" (57,91mm)	L. Turning Radius Tail Swing	57' 8" (17,577mm)
C. Ground Clearance Chassis	2' 9" (838mm)	M. Width Outside Chassis Tires	26' 0" (7,925mm)
D. Carriage Height	17' 4" (5,283mm)	N. Inside Turning Radius	10' (3,048mm)
E. Mouth Opening	11' 8" (3,556mm)	O. Carriage Width	13' 4" (4,064mm)
F. Tine Length	11' 0" (3,353mm)	P. Axle to Face of Carriage - Hoist Down	6' 2" (1,981mm)
G. Overall Length	58' 6" (17,831mm)	Q. Width Inside of Tines	8' 0" (2,438mm)
H. Ground to Fork-Hoist Up	19' 2" (5,842mm)	R. Width Outside of Tines	10' 0" (3,048mm)
J. Ground to Holddown Tip - Hoist Up	21' 6" (6,553mm)	S. Width Outside of Bogie Tires	10' 10" (3,302mm)

Weights and Functions (approximate)

Unit Weight (Estimated)	240,000 lbs (109,091 kg)	Forward Tilt @ Ground Level	30°
Drive End	175,000 lbs (79,545 kg)	Forward Tilt @ Max Height	15°
Tail End	65,000 lbs (29,545 kg)	Backward Tilt @ Ground Level	30°
Rated Lift Capacity 70"LC	160,000 lbs (72,727 kg)	Backward Tilt @ Max Height	46°

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