



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

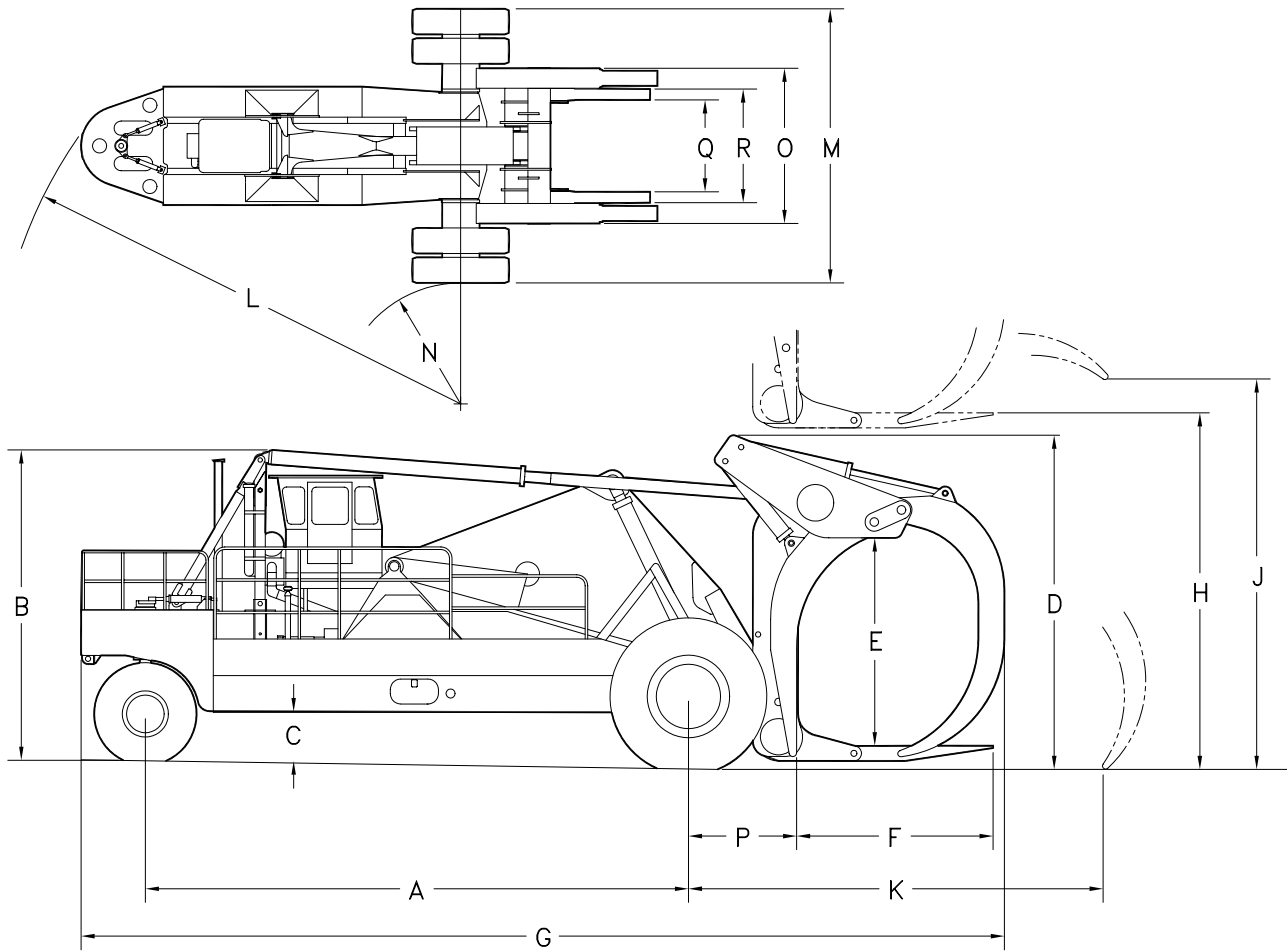
Hydraulic System

"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)



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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