

# wagner

A Division of Allied Systems Company

# L490S



## Engine

Make and Model ..... Cummins N14C-450  
 Max Horsepower ..... 450 @ 2100 RPM  
 Max Torque ..... 1500 Ft/Lbs @ 1400 RPM  
 Bore and Stroke ..... 5.5" x 6"  
 No. of Cylinders ..... 6  
 Displacement ..... 850 Cu/In (14.6 liters)  
 Optional Engine ..... CAT C-15 @ 450HP

## 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 8000 Series Single Stage, 3 Elements

## Transmission

Clark 8000 Series Power Shift - Spur Gear; 4 Speeds Fwd/Rev

Range	Ratio	Speed (Unladen)
1	4.07:1	4.4 mph (7.1 km/h)
2	2.27:1	7.6 mph (12.2 km/h)
3	1.29:1	12.7 mph (20.4 km/h)
4	0.77:1	Blocked

## Axles

Fabricated Housing ..... Allied Wagner  
 Make ..... Clark  
 Model (Chassis) ..... FD-85501 Series  
 Model (Bogie) ..... FD-75720 Series  
 Type ..... Planetary  
 Brakes ..... Hydraulic Dry Disc  
 Brake Size ..... 32" Diameter (813mm)

## Tires

Size (Front) ..... 33.5 x 33-44PR  
 Size (Front - Optional Duals) ..... 24.00 x 35-36PR  
 Size (Rear) ..... 29.5 x 29-22PR  
 Size (Rear, with Duals) ..... 29.5 x 25-22PR

## Hydraulic System

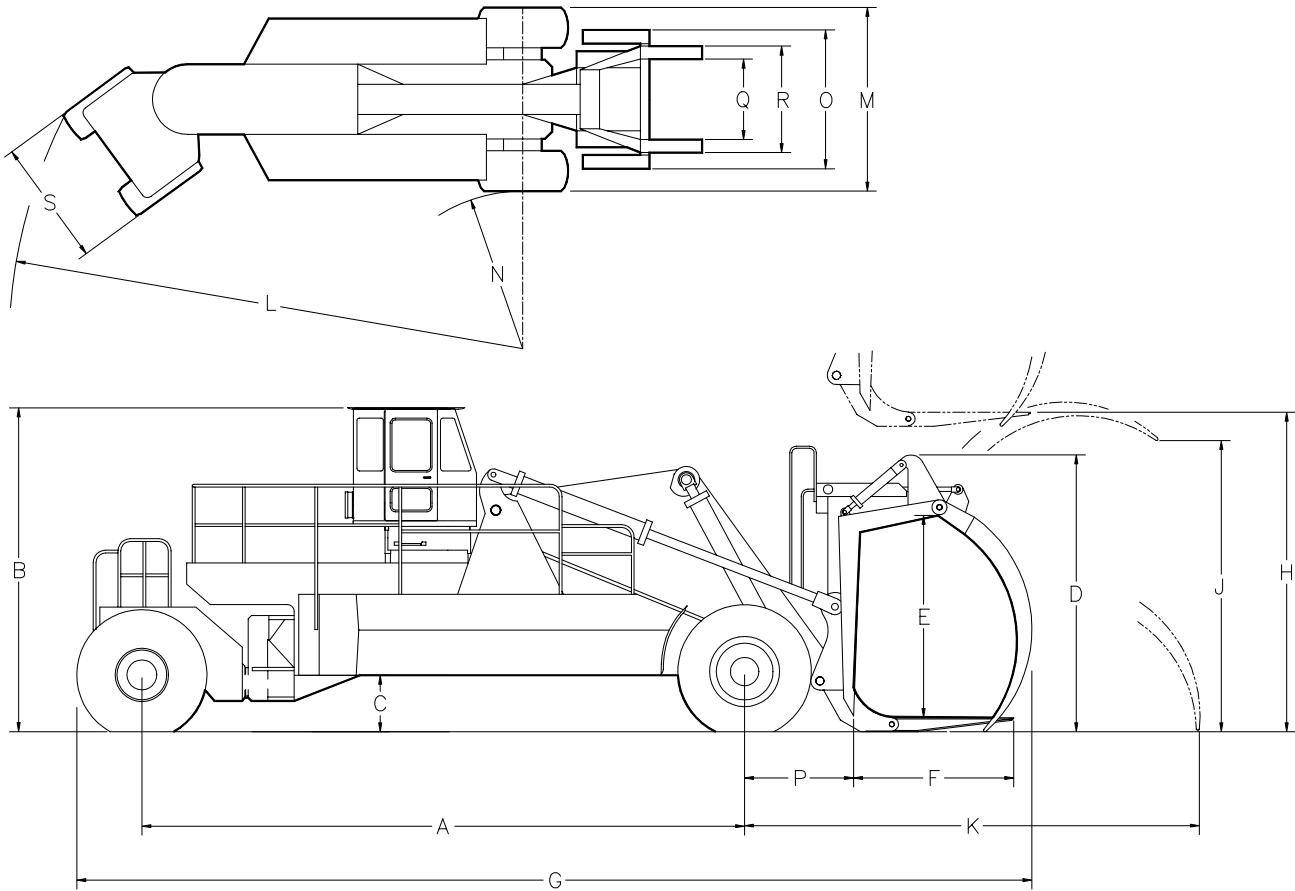
"Power Beyond" hydraulics with total capacity of all pumps in the system for multiple use simultaneously. Function controls are air over hydraulic or optional hydraulic over hydraulic.

Steering Cylinder (2) ..... 5" x 32" (127mm x 813mm)  
 Hoist Cylinder (2) ..... 10" x 98" (254mm x 2489mm)  
 Tilt Cylinder (2) ..... 10" x 52" (254mm x 1320mm)  
 Holddown Cylinder (2) ..... 6" x 34" (152mm x 864mm)  
 Kickoff Cylinder (2) ..... 6" x 34" (152mm x 864mm)

## Service Refill Capacities

Fuel Tank ..... 425 Gals (1609 liters)  
 Hydraulic Oil ..... 334 Gals (1264 liters)  
 Crankcase w/Filter ..... 11 Gals (42 liters)  
 Cooling System ..... 24 Gals (91 liters)

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## Dimensions (approximate)

A. Wheelbase .....	30' 0" (9144mm)	K. Distance from Axle to Holddown Tip for Reach .....	26' 0" (7925mm)
B. Height to Top of Cab .....	15' 6" (4724mm)	L. Turning Radius Tail Swing .....	50' 6" (15392mm)
C. Ground Clearance Chassis .....	2' 10" (800mm)	M. Width Outside Chassis Tires .....	14' 8" (4470mm)
D. Carriage Height .....	15' 0" (4572mm)	N. Inside Turning Radius .....	32' 0" (9754mm)
E. Mouth Opening .....	11' 0" (3352mm)	O. Carriage Width .....	11' 1" (3378mm)
F. Tine Length .....	9' 0" (2743mm)	P. Axle to Face of Carriage - Hoist Down .....	7' 4" (2235mm)
G. Overall Length .....	49' 1" (14961mm)	Q. Width Inside of Tines .....	6' 6" (1981mm)
H. Ground to Fork-Hoist Up .....	16' 6" (5029mm)	R. Width Outside of Tines .....	8' 6" (2591mm)
J. Ground to Holddown Tip Carriage Down/Holddown Up .....	16' 4" (4978mm)	S. Width Outside Bogie Tires .....	9' 11" (3022mm)

## Weights and Functions (approximate)

Unit Weight .....	127,300 lbs (57,864 kg)	Forward Tilt @ Ground Level .....	45°
Drive End .....	84,600 lbs (38,445 kg)	Forward Tilt @ Max Height .....	24°
Tail End .....	42,700 lbs (19,409 kg)	Backward Tilt @ Ground Level .....	12°
Rated Lift Capacity 54"LC .....	90,000 lbs (40,823 kg)	Backward Tilt @ Max Height .....	43°

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A Division of Allied Systems Company

2300 Oregon Street  
 Sherwood, Oregon 97140 USA  
 Telephone: 503.625.2560 • Fax: 503.625.7980  
 E-mail: [wagner@alliedsystems.com](mailto:wagner@alliedsystems.com)  
[www.alliedsystems.com](http://www.alliedsystems.com)