

# Wagner

A Division of Allied Systems Company

# L100F



## Engine

Make and Model ..... Caterpillar 3406  
Max Horsepower ..... 450 @ 2100 RPM  
Max Torque ..... 1335Ft/Lbs @ 1400 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 with Restriction Indicator

## 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	3.8 mph (6.1 km/h)
2	2.26:1	6.6 mph (10.6 km/h)
3	1.29:1	11.0 mph (17.7 km/h)
4	0.71:1	18.8 mph (30.3 km/h)

## Axles

Fabricated Housing ..... Allied Wagner  
Make ..... Clark  
Model (Chassis) ..... FD-85000 Series  
Type ..... Planetary  
Brakes ..... Air over Hydraulic Disc, 3 Calipers per Side  
Brake Size ..... 37" Diameter (940mm)

## Tires

Size (Front) ..... (Dual) 24.00 x 35-42PR  
Size (Rear) ..... 26.5 x 25-24PR

## Hydraulic System

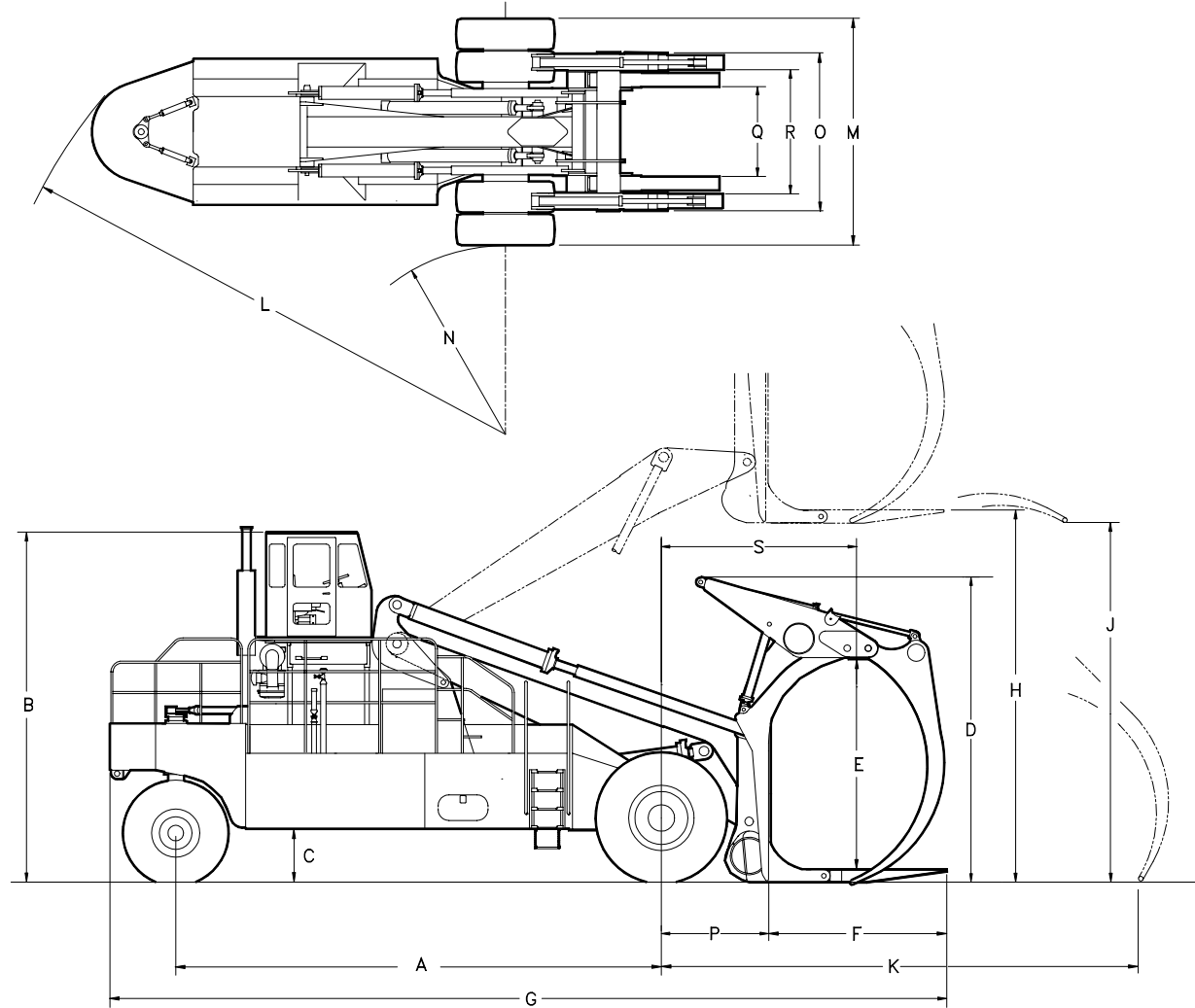
"Power Beyond" hydraulics with total capacity of all pumps in the system for multiple use simultaneously. Function controls are air over hydraulic or optional hydraulic over hydraulic.

Steering Cylinder (2) ..... 4" x 20" (102mm x 508mm)  
Hoist Cylinder (2) ..... 10" x 98" (254mm x 2489mm)  
Tilt Cylinder (2) ..... 10" x 51" (254mm x 1295mm)  
Holddown Cylinder (2) ..... 6" x 56" (152mm x 1442mm)  
Kickoff Cylinder (2) ..... 6" x 36" (152mm x 914mm)

## Service Refill Capacities

Fuel Tank ..... 450 Gals (1703 liters)  
Hydraulic Oil ..... 350 Gals (1324 liters)  
Crankcase w/Filter ..... 11 Gals (42 liters)  
Cooling System ..... 24 Gals (91 liters)

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## Dimensions (approximate)

A. Wheelbase .....	26' 0" (7925mm)	K. Distance from Axle to Holddown	
B. Height to Top of Cab .....	17' 6" (5334mm)	Tip for Reach .....	25' 7" (7798mm)
C. Ground Clearance Chassis .....	3' 0" (914mm)	L. Turning Radius Tail Swing .....	35' 6" (10820mm)
D. Carriage Height .....	16' 6" (5029mm)	M. Width Outside Chassis Tires .....	16' 10" (5131mm)
E. Mouth Opening .....	11' 2" (3404mm)	N. Inside Turning Radius .....	13' 6" (4115mm)
F. Tine Length .....	9' 6" (2896mm)	O. Carriage Width .....	11' 0" (3353mm)
G. Overall Length .....	44' 10" (13665mm)	P. Axle to Face of Carriage - Boom Level .....	8' 2" (2489mm)
H. Ground to Fork-Hoist Up .....	20' 0" (6096mm)	Q. Width Inside of Tines .....	6' 4" (1930mm)
J. Ground to Holddown Tip		R. Width Outside of Tines .....	8' 4" (2540mm)
Carriage Down/Holddown Up .....	19' 10" (6045mm)	S. Axle Centerline to Load Center .....	12' 8" (3861mm)

## Weights and Functions (approximate)

Unit Weight .....	160,000 lbs	(72,576 kg)	Forward Tilt @ Ground Level .....	35°
Drive End .....	101,000 lbs	(45,814 kg)	Forward Tilt @ Max Height .....	10°
Tail End .....	59,000 lbs	(26,762 kg)	Backward Tilt @ Ground Level .....	18°
Rated Lift Capacity 54"LC .....	100,000 lbs	(45,359 kg)	Backward Tilt @ Max Height .....	43°
Rated Lift Capacity 54"LC				
With 36" Extension .....	90,000 lbs	(40,823 kg)		

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