

wagner

A Division of Allied Systems Company

CHD100



Engine

Make and Model Caterpillar C-15 Electronic
 Max Horsepower 525 @ 2100 RPM
 Max Torque 1700 Ft/Lbs @ 1500 RPM
 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 8000 Series Single Stage, 3 Elements - Stall Torque Ratio 2.53:1

Transmission

Clark 8000 Series Power Shift - Spur Gear; 4 Speeds Fwd/Rev with 1:118 Converter Ratio

Range	Ratio	Speed (Unladen)
1	4.07:1	4.1 mph (6.6 km/h)
2	2.27:1	7.2 mph (11.5 km/h)
3	1.29:1	12.2 mph (19.6 km/h)
4	0.71:1	21.1 mph (33.9 km/h)

Axles

Make Clark
 Model (Chassis) 21D4354 with No Spin
 Model (Bogie) 21D4354 Posi-Torque
 Type Planetary
 Brakes Hydraulic Wet Disc
 Carrier Ratio 4.857:1
 Planetary Ratio 5.368:1
 Total Reduction 26.072:1

Tires

Size 29.50 x 29 Radial
 Hydroflation: Weight Each Tire 2386 lbs
 All Tires Are Hydroflated

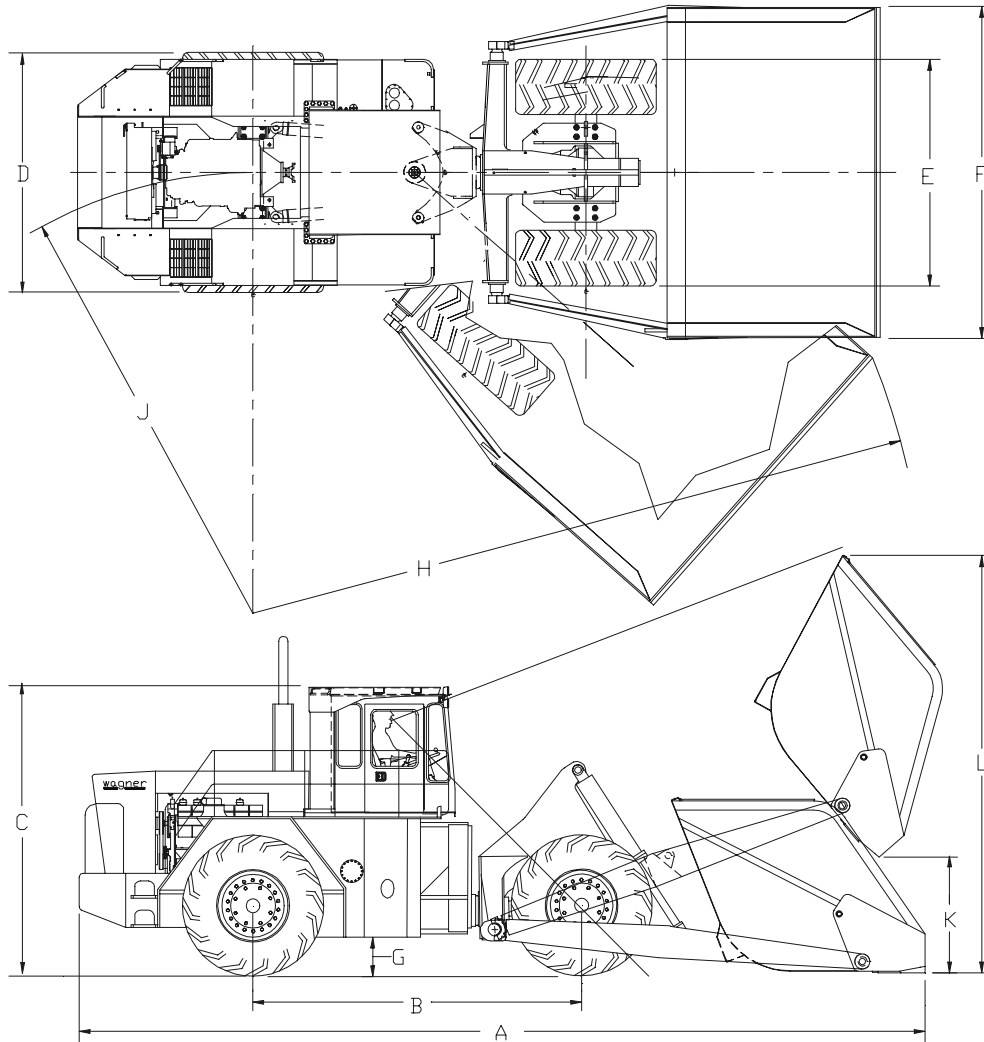
Hydraulic System

Steering 70 GPM @ 2100 Engine RPM
 Hoist 60 GPM @ 2100 Engine RPM
 Dump 120 GPM @ 2100 Engine RPM
 Side Tilt 10 GPM @ 2100 Engine RPM
 Steering Cylinder (2) 6" x 32" (152mm x 813mm)
 Dump Cylinder (2) 6" x 36" (152mm x 2718mm)
 Hoist Cylinder (2) 9" x 41" (229mm x 1041mm)
 Side-Tilt Cylinder (Optional) (1) 6" x 5" (152mm x 127mm)

Service Refill Capacities

Fuel Tank 295 Gals (1117 liters)
 Hydraulic Oil 160 Gals (606 liters)
 Crankcase (Refill) 12 Gals (45 liters)
 Cooling System 22.5 Gals (85 liters)

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Dimensions (approximate)

A. Overall Length	36' 10" (11227mm)	G. Ground Clearance (Chassis)	1' 10" (559mm)
B. Wheelbase	14' 10" (4521mm)	Ground Clearance (Differential)	2' 0" (610mm)
C. Height to Top of Cab	12' 9" (3886mm)	H. Turning Radius - Outside Bucket	28' 4" (8636mm)
D. Outside Chassis Width (Tires)	10' 10" (3302mm)	* H. Turning Radius - Outside Bucket	29' 4" (8941mm)
E. Outside Bogie Width (Tires)	10' 8" (3251mm)	J. Turning Radius - Centerline Mach.	18' 2" (5537mm)
F. Bucket Width	14' 7" (4445mm)	K. Maximum Dump Height	4' 0" (1219 mm)
* F. Bucket Width	17' 0" (5182mm)	L. Maximum Height in Dump Position	18' 4" (5588mm)

Weights and Functions (approximate)

Unit Weight/Hydroflation	93,300 lbs (42,358 kg)	Bucket Lift & Carry Capacity	40 cu/yd (30.6 cu/m)
Bogie End/Hydroflation	56,550 lbs (25,674 kg)	* Bucket Lift & Carry Capacity	50 cu/yd (38.2 cu/m)
Chassis End/Hydroflation	36,750 lbs (16,685 kg)	Articulation	40° each way
Dump Angle at Maximum Height	54°	Oscillation	15° each way
Bucket Push & Carry Capacity	80 cu/yd (61 cu/m)	Maximum Bucket Forward Tip	77°
* Bucket Push & Carry Capacity	100 cu/yd (76.5 cu/m)	Slide Tilt (Optional on 80 yd bucket)	6" each way from horizontal

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* Optional 100 cu/yd Push & Carry Bucket with Side Tilt

OPTIONAL EQUIPMENT: Standard and special options are available. Contact your Wagner dealer for details.