



Engine

Make and Model Cummins N14-C450
 Max Horsepower 450 @ 2100 RPM
 Max Torque 1500 Ft/Lbs @ 1400 RPM
 Bore and Stroke 5.5" x 6.5"
 No. of Cylinders 6
 Displacement 855 In³ (14 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. and Rev. with 1:1.118 Converter Ratio

Range	Ratio	Speed (Unladen)
1	4.07:1	3.3 mph (5.3 km/h)
2	2.27:1	6.0 mph (9.7 km/h)
3	1.29:1	10.3 mph (16.6 km/h)
4	1:1	18.0 mph (29.0 km/h)

Axles

Make Clark
 Model (Chassis) 21D4354 w/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
 Hydroflotation: Weight each Tire 2386 Lbs (1083 Kg)
 All Tires are Hydroflated

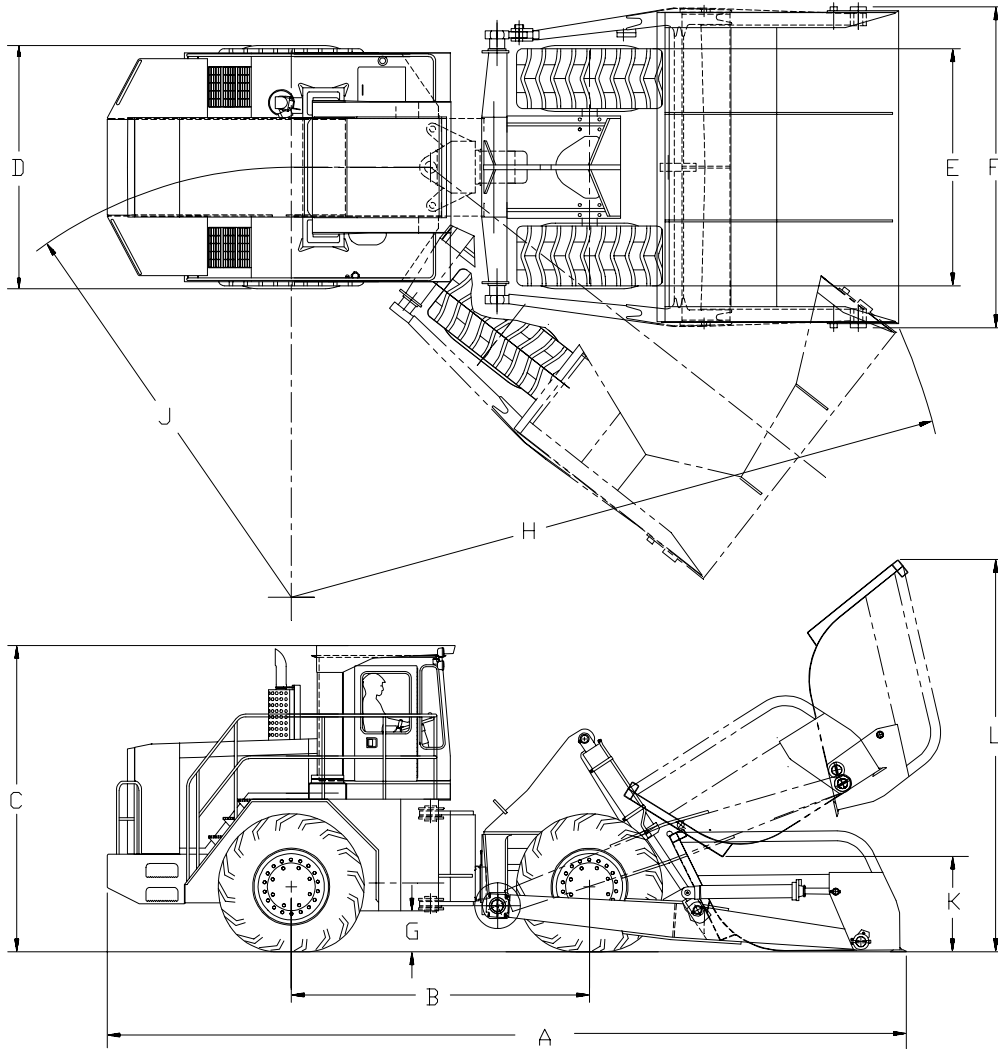
Hydraulic System

Steering Pump 72 GPM @ 2100 Engine RPM
 Hoist Pump 72 GPM @ 2100 Engine RPM
 Dump Pump 56 GPM @ 2100 Engine RPM
 Side Tilt/Pilot Pump 12.5 GPM @ 2100 Engine RPM
 Steering Cylinder (2) 6" x 32"
 Dump Cylinder (2) 6" x 36"
 Hoist Cylinder (2) 9" x 41"
 Side-Tilt Cylinder (optional) (1) 6" x 5"

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)

CD1000



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. Cab Height	12' 9" (3886mm)	H. Turning Radius - Outside Bucket	28' 4" (8636mm)
D. Outside Chassis Width (Tires)	10' 10" (3302mm)	J. Turning Radius - Centerline	18' 2" (5537mm)
E. Outside Bogie Width (Tires)	10' 8" (3251mm)	K. Maximum Dump Height	4' 0" (1219mm)
F. Bucket Width	14' 7" (4445mm)	L. Maximum High in Dump Position	16' 5" (5004mm)

Weights and Functions (approximate)

Unit Weight/Hydroflation	92,750 lbs (42,109 kg)	Bucket Lift & Carry Capacity Approx.	20 yd ³ (15.3 m ³)
Bogie End/Hydroflation	56,000 lbs (25,424 kg)	Articulation	40° each way
Chassis End/Hydroflation	36,750 lbs (16,685 kg)	Oscillation	15° each way
Dump Angle at Maximum Height	54°	Maximum Bucket Forward Tip	77°
Bucket Push & Carry Capacity Approx.	40 yd ³ (30.6 m ³)	Side Tilt (Optional)	6° each way from horizontal

Optional Equipment: Standard and special options are available. Contact the Allied Factory for details.

Allied Systems
COMPANY

2300 Oregon Street
Sherwood, Oregon 97140 USA
Telephone: (503) 625-2560 • Fax: (503) 625-7980
E-mail: wagner@alliedsystems.com
www.alliedsystems.com